



NATIONAL ACADEMY OF SCIENCES OF UKRAINE
M. G. KHOLODNY INSTITUTE OF BOTANY

Sergei L. Mosyakin & Mykola M. Fedoronchuk

VASCULAR PLANTS OF UKRAINE
A NOMENCLATRURAL CHECKLIST

Editor: Sergei L. Mosyakin

Kiev 1999



This publication was made possible with the financial help of the Missouri Botanical Garden (St. Louis, MO, U.S.A.) and the continued support of Dr. Peter H. Raven, Director and Dr. Robert Magill, Director of Research.

Approved by the Academic Council of the M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine.

Cover illustration: *Crataegus ucrainica* Pojark.; detail from Fig. 8, by S.S. Yanchuk, first published in *Flora of the Ukrainian SSR* 6:59 (1954).

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the Editor.

ISBN 966-02-1336-0

© S. L. Mosyakin (editor), 1999
M. G. Kholodny Institute of Botany

CONTENT

ACKNOWLEDGMENTS	iv
INTRODUCTION	v
Brief history of floristic exploration and taxonomic research in Ukraine.....	v
Objectives.....	vii
AUTHORSHIP	ix
SCOPE, TAXONOMIC CONCEPT AND FORMAT OF THE CHECKLIST	x
Scope and structure	x
Taxonomic concept	x
Format.....	xi
BASIC INFORMATION ABOUT UKRAINE AND HER BIODIVERSITY	xvi
A brief overview of taxonomic biodiversity in Ukraine: plants, fungi and animals ...	xvii
Conservation of biodiversity in Ukraine.....	xviii
Selected literature	xx
THE CHECKLIST	
Lycopodiophyta.....	1
Equisetophyta.....	2
Polypodiophyta.....	3
Pinophyta (= Gymnospermae).....	8
Magnoliophyta – Class Liliopsida (= Monocotyledonae)	13
Magnoliophyta – Class Magnoliopsida (= Dicotyledonae)	76
List of families	328
List of genera	331

ACKNOWLEDGMENTS

This publication was made possible with the financial help of the Missouri Botanical Garden (St. Louis, MO, U.S.A.) and the continued support of Dr. Peter H. Raven, Director, and Dr. Robert Magill, Director of Research.

Additional support for hardware and software upgrade at the initial stage of the project was provided in part by the Biodiversity Support Program (USAID-Funded Consortium of World Wildlife Fund, The Nature Conservancy, and World Resources Institute, Washington, DC, U.S.A.).

We are grateful to the reviewers, Acad. Prof. Konstantin M. Sytnik (Director, M. G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kiev, Ukraine) and Prof. Dr. Boris V. Zaverukha (Head of Botanical Museum, M. G. Kholodny Institute of Botany & National Natural History Museum, Kiev, Ukraine).

We would like to thank many people who provided their valuable comments, kind help, encouragement, and technical assistance (listed alphabetically):

Ms. Maria D. Aleinikova (M. G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kiev, Ukraine);

Dr. Steven Clemants (Brooklyn Botanic Garden, New York, U.S.A.);

Dr. Ivan M. Danylyk (Institute of Ecology of the Carpathians, Lviv, Ukraine; comments on Cyperaceae);

Prof. Dr. Henning E. Haeupler (AG Geobotanik, Ruhr-Universitaet Bochum, Bochum, Germany);

Dr. Peter Hoch (Missouri Botanical Garden, St. Louis, MO, U.S.A.);

Dr. Sergei Y. Kondratyuk (Deputy Director, M. G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kiev, Ukraine);

Dr. Liubov I. Krytzka (Head Curator, National Herbarium of Ukraine, KW, M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kiev, Ukraine);

Dr. Karol Marhold (Institute of Botany, Slovak Academy of Sciences, Bratislava, Slovakia);

Dr. Nancy Morin (Flagstaff, AZ, U.S.A.);

Dr. Halina Piekos-Mirkowa (W. Szafer Institute of Botany, Krakow, Poland);

Dr. Yuri R. Roskov (V. L. Komarov Botanical Institute, St. Petersburg, Russia);

Dr. Nikolai N. Tzvelev (V. L. Komarov Botanical Institute, St. Petersburg, Russia);

Dr. Tatiana R. Zaharchenko (Biodiversity Support Program, a USAID-Funded Consortium of World Wildlife Fund, The Nature Conservancy, and World Resources Institute, Washington, DC, U.S.A.);

members of the staff of Vascular Plants Department, M. G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kiev, Ukraine).

And, last but not least, I would like to express my deep gratitude to Nadia T. Mosyakina and Andrew S. Mosyakin for the technical assistance and their patience and devotion.

INTRODUCTION

Taxonomy and biological nomenclature are the basic tools for understanding biological diversity. It is as true now, as it was true in 1753, when C. Linnaeus published his famous *Species Plantarum*. And we dare to say that it was even true in prehistoric times, when man identified edible, poisonous, medicinal and other important plants, which were, and still are, the foundation of all aspects of our civilization, including our well-being, culture, science and philosophy.

No further study of plants is possible without initial identification of the taxonomic entities involved. Vegetation science, biogeography, conservation, agriculture, forestry, education, etc., etc. – all these and many other branches of science and sectors of economy are in need of a reliable and stable taxonomic base. This taxonomic base completely depends on scientific (Latin) names of plants, which are governed by the *International Code of Botanical Nomenclature*, the most recent version of which has been adopted at the XVI International Botanical Congress (August 1999, St. Louis, MO, U.S.A.).

Brief history of floristic exploration and taxonomic research in Ukraine

Information on taxonomy and nomenclature of vascular plants of Ukraine is available from numerous publications.

The basic stage of taxonomic research and floristic exploration of Ukraine in the XIX century was associated with such famous botanical names as P. S. Pallas (1741-1811), F. A. Marschall von Bieberstein (1768-1826), Ch. Steven (1781-1863), W. S. J. G. Besser (1784-1842), K. F. Ledebour (1785-1852), A. L. Andrzejowski (= Andrzejowski; 1785-1868), V. M. Cherniaev (= Czernjaev, also transliterated as Czernajew, Czerniaiev, or Tschernaiew; 1796-1871), E. R. Trautvetter (1809-1889), A. S. Rogovich (= Rogowicz; 1812-1878), I. F. Schmalhausen (1849-1894), J. K. Paczoski (= Patschosky, 1864-1942), and many others.

In the XX century, a new constellation of names has emerged: A. V. Fomin (1869-1935), E. I. Bordzilowsky (1875-1949), M. V. Klovov (1896-1981), M. I. Kotov (1896-1978), Y. D. Kleopov (= Kleopow; 1902-1942), E. V. Wulff (1885-1941), D. M. Dobrochaeva (= Dobroczaeva, also known as Dobroczaeva or Dobroczaeva-Kovalczuk; 1916-1995), E. D. Visjulina (= Wissjulina; 1902-1972), Y. M. Prokudin (1911-1989), E. M. Lavrenko (1900-1987), etc.

A considerable contribution to our present knowledge of taxonomy and floristics of Ukrainian plants has been made also by many Russian botanists, and, mainly in the western part of Ukraine, by Polish, Hungarian, Austrian, German, Czech, Slovak and Romanian researchers.

The most important and still widely used floristic works are the *Flora of the Ukrainian SSR* published in 12 volumes in 1936-1965, the third edition of the *Manual of vascular plants of Ukraine* (Prokudin & al., 1987), *Flora of Crimea* (Wulf & al., 1927-1969), *Manual of vascular plants of Crimea* (Rubtsov & al., 1972), *Manual of plants of the Ukrainian Carpathians* (Chopyk & al., 1977), *Grasses of Ukraine* (Prokudin & al., 1977).

A wealth of information on taxonomy and nomenclature of Ukrainian vascular plants is included in the 30 volumes of the monumental *Flora of the USSR* (1934-1964), in *Flora of the European part of the USSR* (1974-continued, since 1996 published as *Flora Europae Orientalis*), *Additamenta et corrigenda ad Floram URSS* (Cherepanov, 1973), and two editions of Cherepanov's checklists of vascular plants of the former USSR (Cherepanov, 1981, 1995).

Flora Europea (Tutin & al., 1964-1994) is a useful floristic and taxonomic generalization of the continental scope. It is, however, of a lesser use in Ukraine and other countries of Central and East Europe, because this work, being written from the "West European viewpoint", commonly underestimates the real taxonomic diversity of that part of the continent, most probably because of evident communication problems, the language barriers, and the lack of information from Russian, Ukrainian, Polish and other important sources.

Several regional and special checklists are also available, including *Flora of Transcarpathia* (Fodor, 1974), *A checklist of the flora of the Ukrainian Southeast. Vascular plants* (Kondratyuk, Burda & Ostapko, 1985), *Trees and shrubs cultivated in the Ukrainian SSR* (Kokhno & al., 1986, Kondratyuk & al., 1985), *Synanthropic flora of Ukraine* (Protopopova, 1991), *Flora of the Left-Bank Dnieper area. A checklist of vascular plants* (Bayrak, 1997), *Flora of the Middle Dnieper area. A checklist of vascular plants* (Chopyk, Bortnyak, Voytyuk & al., 1998), *Flora of the Carpathians. Checklist of the native vascular plant species* (Tasenkevich, 1998), *Grasses of the USSR* (Tsvelev, 1976, 1983), *Legumes of Northern Eurasia* (Yakovlev, Sytin & Reskov, 1996), etc.

Other specialized taxonomic, floristic, phytosociological and conservational monographs and articles dealing with Ukrainian plants are too numerous to be listed here.

Unfortunately, many of the mentioned floras, manuals and checklists are now outdated. Some of them are regional in their scope, while others cover areas larger than Ukraine, or not the whole territory of Ukraine within her present borders.

Moreover, to the constant embarrassment of many users, both botanists and non-botanists, the mentioned floras, manuals and checklists applied different species and generic concepts, reflected different scientific traditions and viewpoints. Consequently, taxonomy and nomenclature of many plant groups in these sources differ dramatically.

In addition to that, plant taxonomists made important changes in taxonomy and nomenclature of Ukrainian plants. Numerous native and alien species new for Ukraine have been discovered during the recent decades; some other taxa were excluded because of the lack of evidence and/or changes in circumscription of taxa.

For all these reasons, until the present publication, there was no unified, standard and updated nomenclatural checklist of vascular plants of Ukraine available. The present volume is intended to fill this gap.

Objectives

Our main goal was to provide a concise, convenient and reasonably reliable reference on nomenclature and taxonomy of vascular plants of Ukraine for various categories of users: professional botanists, conservationists, teachers, land use managers, agriculturalists, etc. When preparing the present edition of the checklist, we consulted all major floristic and taxonomic publications dealing with the Ukrainian flora. In addition to Ukrainian and Russian books and periodicals, many other publications were consulted, first of all recent taxonomic treatments, and floras and checklists published in adjacent countries: Russia, Poland, Slovakia, the Czech Republic, Hungary, Germany, etc.

We kept track of those literature sources in order to document our records. However, the present edition of the checklist is not a reference to literature. Since taxonomic and floristic literature on Ukrainian vascular plants is immense, and is mostly in the Cyrillic alphabet (Ukrainian and Russian), we were forced, at least at the present stage, to refrain from citing numerous sources used during the preparation of the checklist. Hopefully, this gap will be filled up later, either as a part of the second edition of the checklist, or as a separate bibliographic project.

During the preparation of the checklist, collections of the National Herbarium of Ukraine (KW) at the Kholodny Institute of Botany were also consulted to verify some records and other data from literature. The KW herbarium is the largest plant collection in Ukraine and second, by number of specimens and their scientific value, in the former USSR. At present the number of herbarium specimens is estimated to be close at 2,000,000 (including 1,800,000 specimens of vascular plants). The section of the Ukrainian flora contains ca. 1,000,000 herbarium specimens from all regions of the country. The staff of the

KW Herbarium and Vascular Plants Department are working presently on inventory of types of vascular plants described from the territory of Ukraine. We believe that in the future this important information on protologs and type specimens of these plants will be also included in subsequent editions of our checklist.

In the future, we are planning also to add to the checklist some additional data, including distribution of taxa in Ukraine and complete literature references.

Every possible effort has been made in order to check and crosscheck the manuscript. However, a sizeable fault-free checklist is probably impossible. There are always some unavoidable omissions, gaps, misunderstandings, differences in taxonomic opinion, and typos. The present version should be treated as a working document, and we expect its further editions in printed or electronic form. Because of that we would greatly appreciate any comments, corrections, additions and suggestions. All this feedback information will be thoroughly analyzed and subsequently included into the second edition, where all comments of future contributors will be gratefully acknowledged.

We understand that taxonomic opinions reflected in our checklist is not the "final truth", even if anything like such final truth could be possible in plant taxonomy. Because of that, we are open to constructive criticism and suggestions, and will be happy to discuss any alternative viewpoints on taxonomy and nomenclature of vascular plants of Ukraine.

Please send your comments, corrections and additions to the editor:

Sergei L. Mosyakin

Head of Vascular Plants Department

M. G. Kholodny Institute of Botany
National Academy of Sciences of Ukraine

2, Tereshchenkivska Str.
Kiev, 01001 Ukraine

E-mail: smos@darwin.carrier.kiev.ua

AND: smos@botan.kiev.ua

AUTHORSHIP

The work on families of vascular plants was done in the following way:

Sergei Mosyakin prepared treatments of ferns and fern allies, gymnosperms, all monocots, and the following families of dicots: Aceraceae, Actinidiaceae, Adoxaceae, Amaranthaceae, Anacardiaceae, Araliaceae, Aristolochiaceae, Asteraceae (= Compositae), Balsaminaceae, Basellaceae, Bignoniaceae, Buddlejaceae, Buxaceae, Cactaceae, Cannabaceae, Capparaceae, Chenopodiaceae, Cistaceae, Clusiaceae (Hypericaceae), Convolvulaceae, Cucurbitaceae, Cuscutaceae, Ebenaceae, Elatinaceae, Empetraceae, Ericaceae (incl. Vacciniaceae), Euphorbiaceae, Geraniaceae, Globulariaceae, Haloragaceae, Hamamelidaceae, Hippocastanaceae, Hippuridaceae, Hydrophyllaceae, Hypecoaceae, Lauraceae, Lentibulariaceae, Limoniaceae, Linaceae, Lobeliaceae, Loranthaceae (incl. Viscaceae), Lythraceae, Malvaceae, Martyniaceae, Meliaceae, Menyanthaceae, Molluginaceae, Monotropaceae, Myrtaceae, Nitrariaceae, Onagraceae, Oxalidaceae, Paeoniaceae, Parnassiaceae, Pedaliaceae, Peganaceae, Phytolaccaceae, Plantaginaceae, Plumbaginaceae, Polemoniaceae, Polygonaceae, Portulacaceae, Primulaceae, Punicaceae, Pyrolaceae, Rhamnaceae, Rutaceae, Santalaceae, Sapindaceae, Simaroubaceae, Solanaceae, Staphyleaceae, Theaceae, Theligionaceae, Thymelaeaceae, Tiliaceae, Trapaceae, Tropaeolaceae, Violaceae, Vitaceae, Zygophyllaceae.

Mykola Fedoronchuk was responsible for the following families of dicots: Apiaceae (= Umbelliferae), Apocynaceae, Asclepiadaceae, Berberidaceae, Caesalpiniaceae, Callitrichaceae, Campanulaceae, Caprifoliaceae, Caryophyllaceae, Celastraceae, Ceratophyllaceae, Corylaceae, Droseraceae, Elaeagnaceae, Frankeniaceae, Gentianaceae, Grossulariaceae, Hydrangeaceae, Juglandaceae, Magnoliaceae, Moraceae, Nymphaeaceae, Oleaceae, Orobanchaceae, Platanaceae, Polygalaceae, Resedaceae, Rubiaceae, Salicaceae, Saxifragaceae, Tamaricaceae, Verbenaceae.

The following families were prepared by Mykola Fedoronchuk and Sergei Mosyakin in close cooperation: Betulaceae, Boraginaceae (incl. Heliotropiaceae), Brassicaceae (= Cruciferae), Cornaceae, Crassulaceae, Dipsacaceae, Fagaceae, Fabaceae, Fumariaceae, Lamiaceae (= Labiatae), Nyctaginaceae, Papaveraceae, Ranunculaceae, Rosaceae, Scrophulariaceae, Urticaceae, Valerianaceae.

The final taxonomic editing for all families has been done by Sergei Mosyakin. Major taxonomic changes, corrections and additions, especially proposed by the editor in families treated by Mykola Fedoronchuk, were usually agreed upon by the two co-authors, who thus bear their shared responsibility for these treatments.

Sergei Mosyakin developed the format used in the checklist, and wrote introductory chapters and all notes in the main body of the list. He was also responsible for compiling the indices of families and genera, and data on the conservation status of taxa.

The camera-ready copy has been prepared by Maria Aleinikova and Sergei Mosyakin.

SCOPE, TAXONOMIC CONCEPT AND FORMAT OF THE CHECKLIST

Scope and structure

The checklist basically includes accepted names and synonyms (including alternative and misapplied names) of native, introduced (alien) and some cultivated vascular plants of Ukraine within her present national borders.

All native plants are included, as well as introduced (alien, adventive, non-indigenous) species. We also listed the most commonly cultivated plants, including all those mentioned in the 3rd edition of the *Manual of vascular plants of Ukraine* (Prokudin & al., 1987). Cultivated species are marked with asterisks (see below). Information on named hybrids (i.e., those known by binomial names) is provided, but mostly in the taxonomic groups where hybrids were reliably studied and registered for Ukraine. Unnamed hybrids (those known by hybrid formulas only) and unstable or dubious hybrid binomials are omitted.

For readers' convenience, the checklist is divided into six main parts corresponding to divisions (phyla) and classes (within Magnoliophyta): (1) Lycopodiophyta, (2) Equisetophyta, (3) Polypodiophyta, (4) Pinophyta = Gymnospermac, (5) Magnoliophyta – monocots (Liliopsida), and (6) Magnoliophyta – dicots (Magnoliopsida).

Families are alphabetically arranged within these major parts. Genera within families and species within genera are also listed alphabetically.

Taxonomic concept

The family concept is rather traditional, and in Magnoliophyta usually follows Takhtajan's system (Takhtajan, 1987), with a few exceptions.

The genus concept adopted in the checklist is also quite traditional. We tried to maintain traditional name usage and to avoid as yet untested, narrow generic concepts, for example those that would lead to the splitting of *Centaurea* into *Asosta*, *Calcitrapa*, *Colymbada*, *Cyanus*, *Jacea*, *Odontholophus*, etc. However, if there was strong enough evidence for accepting narrower segregate genera, as, for example, in *Polygonum sensu lato*, we usually did that.

The species concept followed in the checklist can be described as "moderately narrow". Traditionally, Ukrainian plant taxonomy used a monotypic species concept, with many "narrow" species recognized. This approach was also typical of the traditional Russian

"Komarov school" of plant taxonomy, established by V.L. Komarov, who followed the ideas of S. I. Korzhinsky and other Russian and European plant taxonomists of the XIX century. In Ukraine, the most notable practitioners of the narrow species concept were M.V. Klokov and his followers and colleagues (M.I. Kotov, D.M. Dobroczaeva, O.M. Dubovik and others), who formed a rather distinct Ukrainian school of plant taxonomy. Klokov further developed and enriched the views of Komarov and J. Paczoski, adding to them his own original ideas on the notion of species as narrowly defined geographical and morphological races. Klokov also proposed his concept of "phytoeideology" as a branch of botany devoted to the study of natural differentiation of plant species, as opposed to their strictly taxonomic delimitation and recognition.

The ideas of Komarov and Klokov were reflected in the monumental *Flora of the USSR* (1934-1964) and *Flora of the Ukrainian SSR* (1935-1965). Consequently, the narrow species concept has dominated Ukrainian and Russian taxonomic and floristic treatments of many groups of vascular plants.

Klokov himself was, undoubtedly, the most prolific author of new taxa in the history of Ukrainian botany. Numerous taxa of vascular plants were described from Ukraine by many other botanists, especially Besser, Steven, Marschall von Bieberstein, Andrzejowski, S. V. Juzepczuk (= Yuzepchuk), Kotov, N. N. Tzvelev, and many others. Naturally, many of these taxa are generally recognized as good species, while some others are presently treated as subspecies, varieties, or mere synonyms.

According to Kotov (1965; see Zaverukha, 1986), there were ca. 1180 species described from the territory of Ukraine, including 840 species during 1917-1964. In his opinion, ca. 280 species are in fact synonyms.

As elsewhere in the world, many taxonomic groups of Ukrainian plants are still badly in need of critical taxonomic revisions. Because of that, we dealt with the legacy of Ukrainian plant taxonomy rather carefully, trying not to reduce the species names into synonymy without strong evidence provided in detailed taxonomic studies available. In our opinion, it is the best alternative to the hasty decisions to submerge "narrow" species into "broader" ones without actually knowing the taxonomic situation in the group concerned.

Format

There are several categories of names used in the checklist:

- 1) accepted names;
- 2) [alternative names] (i.e., synonyms which can be regarded as nomenclaturally equally correct names, depending on the genus concept, species/subspecies concept, etc.);

3) (synonyms);

4) {misapplied names}.

The last three categories are linked to accepted names, as shown by examples below.

Achillea birjuczensis Klokov

(*Achillea borysthenea* Klokov & Sakalo) = *Ptarmica salicifolia*

Achillea carpatica Błocki ex Dubovik

[*Achillea cartilaginea* Ledeb. ex Rchb.] = *Ptarmica cartilaginea*

Here *Achillea birjuczensis* and *A. carpatica* are accepted names; *Achillea borysthenea* is a synonym of *Ptarmica salicifolia*; and *Achillea cartilaginea* is an alternative name for *Ptarmica cartilaginea*. The latter is accepted, or recommended, in the checklist; however, if anyone prefers *Achillea* in its broad sense (including *Ptarmica*), the alternative name may be used.

The following characters and special format are used in the checklist:

() – synonym

Example:

(*Festuca laeviuscula* Klokov) = *Festuca beckeri*

(*Allium montanum* F.W.Schmidt 1794, non Schrank 1785) = *Allium senescens* subsp.
montanum

[] – synonym / alternative name

Examples:

[*Eragrostis pilosa* (L.) P.Beauv. subsp. *multicaulis* (Steud.) Tzvelev] = *Eragrostis*
multicaulis

Here *Eragrostis multicaulis* is the accepted name. The name *Eragrostis pilosa* subsp. *multicaulis* may be used from the "lumper's" viewpoint, if *pilosa* is accepted in the broad sense.

[*Hieracium pilosella* L.] = *Pilosella officinarum*

If you prefer the genus *Hieracium* sensu lato, you may use the name *Hieracium pilosella*; if you more like splitting the genus into segregate genera *Hieracium* and *Pilosella*, please use *Pilosella officinarum*. The latter is accepted, or rather recommended, in the checklist.

{ } – misapplied name

Examples:

{*Cenchrus tribuloides* auct. non L.} = *Cenchrus longispinus*

Here *Cenchrus tribuloides* (sensu auct., non L.) is a name previously misapplied (by D. Larionov and some others) to the alien species *Cenchrus longispinus*, which actually occurs in Ukraine. Thus, here the braces mean "sensu auct., non L." Of course, it DOES NOT mean that *C. tribuloides* is a synonym of *C. longispinus* !

{*Taraxacum murbeckianum* auct. non Hagl.} = *Taraxacum pseudomurbeckianum*

In this example, N. Tzvelev initially reported *T. murbeckianum* from Crimea, but then decided to describe the Crimean plant as a new species, *T. pseudomurbeckianum*. Thus, the name *T. murbeckianum* (sensu Tzvelev, non Haglund) was initially misapplied to the Crimean species currently known as *T. pseudomurbeckianum*. And, of course, as in the example above, it DOES NOT mean that *T. murbeckianum* is a synonym of *T. pseudomurbeckianum*.

(*Echinochloa occidentalis* (Wiegand) Rydb. s.str.) = *Echinochloa crusgalli*

{*Echinochloa occidentalis* auct. non (Wiegand) Rydb.} = *Echinochloa microstachya* subsp.
wiegandii

{*Echinochloa occidentalis* sensu Probatova, non (Wiegand) Rydb.} = *Echinochloa crusgalli*
subsp. *spiralis*

A more complicated example. The holotype of *E. occidentalis* (Wiegand) Rydb. belongs to *E. crusgalli* sensu stricto (consequently, it automatically makes *E. occidentalis* a synonym of *E. crusgalli*), while other authentic specimens are what we call now *E. microstachya* subsp. *wiegandii* (a North American taxon of the *E. muricata* aggregate). However, N. Probatova in her treatment of Far Eastern grasses misapplied the name to a different weedy Eurasian subspecies of *E. crusgalli*.

* – cultivated

Asterisks indicate cultivated plants.

*! – cultivated and escaped

The exclamation mark in combination with asterisk indicates cultivated and escaped plants.

~ – very close to ... (or almost identical with...)

We believed that, at least in some cases, it was useful to indicate relationships of a particular species. When the species status of a taxon is doubtful, or taxonomic opinions are

controversial, we preferred not to submerge the species concerned into another species, but rather used instead the indication of close relationships between the taxa in question. Thus, sometimes the character ~ is a polite way to say "Probably a synonym of ..." In this manner we tried to avoid arbitrary decisions in those groups which need additional taxonomic study.

In some notorious taxonomically complicated groups (*Taraxacum*, *Hieracium*, *Dactylorhiza*, etc.), the character ~ assigns a taxon (an agamic microspecies, or a "narrow" species) to a particular broadly defined species aggregate (see examples below).

Examples:

Stipa adoxa Klokov & Ossychnjuk ~ *Stipa syreistschikowii*

Tulipa hypanica Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.

Taraxacum hypanicum Tzvelev ~ *Taraxacum serotinum* aggr.

This format indicates that the "narrow" species *T. hypanicum* sensu stricto belongs to the *T. serotinum* species aggregate.

? – records from Ukraine need confirmation.

Example:

?***Dactylorhiza ochroleuca*** (Boll) Holub ~ *Dactylorhiza incarnata* aggr.

Note: Reported from the western part of Ukraine; needs confirmation.

× – hybrid

Examples:

Elytrigia* × *tesquicola (Prokud.) Prokud. & Klokov = *Elytrigia repens* × *Elytrigia trichophora*

Dactylorhiza* × *kerneriorum (Soó) Soó = *Dactylorhiza fuchsi* × *Dactylorhiza incarnata*

Additional information on some species is provided in notes.

Conservation status

Data on conservation status of taxa are provided for species listed in the Red Data Book of Ukraine (2nd edition, Shelyag-Sosonko & al., 1996), European Red List (cited according to the selected list of species provided in the RDBU, since this version is legally binding in Ukraine), and 1997 IUCN Red List of Threatened Plants (Walter & Gillett, 1998).

Abbreviations:

RDBU – Red Data Book of Ukraine

ERL – European Red List

IUCN RL – 1997 IUCN Red List of Threatened Plants

Categories used:

RDBU:

0 – extinct (probably extinct)

1 – endangered

2 – vulnerable

3 – rare

4 – indeterminate

ERL (European Red List) and IUCN RL (1997 IUCN Red List of Threatened Plants):

Ex – extinct

Ex/E – extinct/endangered

E – endangered

V – vulnerable

R – rare

I – indeterminate

Other abbreviations:

Standard taxonomic abbreviations are used in the checklist. In most cases they do not require any additional explanations.

aggr. – aggregate, a group of closely related species.

nom. ambig. – nomen ambiguum

nom. cons. – nomen conservandum (conserved name)

nom. illeg. – nomen illegitimum (illegitimate name)

nom. inval. – nomen invalidum (invalid name)

nom. nud. – nomen nudum
nom. provis. – nomen provisorum (provisional name)
nom. utique rej. – nomen utique rejiciendum
nom. utique rej. prop. – nomen utique rejiciendum propositum
ortho – orthographic variant
p.p. – pro parte (in part)
sphalm. – sphalmate (erroneously, by mistake; misspelling)
s.l. – sensu lato (in the broad sense)
s.str. – sensu stricto (in the strict sense)
sensu [author] – according to [author]
subsp. – subspecies
var. – varietas (variety)

Abbreviations of author names follow Brummitt & Powell (1992), except for those rare cases, when this standard list incorrectly transliterates names based on the Cyrillic alphabet, or spells such names in serious contradiction with the original Latin spelling preferred by the authors. In such cases the author names used in the checklist follow more closely the traditional abbreviations and spelling found in Ukrainian botanical literature.

BASIC INFORMATION ABOUT UKRAINE AND HER BIODIVERSITY

Ukraine is the second largest European country, following the European part of Russia. The country stretches 1,316 km from west to east (from 22 to 40 degrees E) and almost 900 km from north to south (from 44 to 52 degrees N). The total surface area of Ukraine is 603,550 square kilometers; her population is about 50 million people.

The capital of Ukraine is Kiev (Kyiv in Ukrainian transliteration). Ukraine is subdivided administratively into 26 regions (Ukr.: "oblast"), and the Autonomous Republic of Crimea. The regions are further subdivided into districts (Ukr.: "rajon").

The country lies in the central and southeastern parts of Europe. It is worth mentioning that, surprisingly to many Europeans, the geographical center of the European continent is located in the western part of Ukraine (Transcarpathia).

The following brief information about Ukraine and her biodiversity is based mainly on data presented in the National Report of Ukraine on Conservation of Biological Diversity

(MEPNS & ICCCBLD, 1997) and some other official publications, as well as an overview prepared by Mosyakin & Hardashuk (in press).

Three main physiographical zones can be recognized within the flatland portion of Ukraine: mixed forests, forest-steppe, and steppe. The highland and montane regions of Ukraine include the Ukrainian Carpathians in the west, and the Crimean Mountains in the southern part of the country. The highest altitudes within the plain part of Ukraine reach 300–475 m above sea level; the highest peaks are Hoverla (2061 m) in the Carpathians and Roman-Kosh (1542 m) in the Crimean Main Range. The territory of Ukraine lies mostly within the temperate climatic zone, with the exception of the Crimean South Coast, which belongs to the sub-Mediterranean zone and has some subtropical climatic features.

There are about 22,000 rivers in Ukraine; their total length is more than 170,000 km. The main rivers are the Dnipro (= Dnieper) with its largest tributaries the Prypyat and the Desna; the Dunai (= Danube), the Dnister (= Dniester), the Pivdenny Bug (= Southern Bug), the Zahidny Bug (= Western Bug), and the Siversky Dinets (= Siversky Donets). Almost all Ukrainian rivers belong to the basins of the Black Sea and the Sea of Azov; only 4% of rivers flow to the Baltic Sea. Ukraine has more than 3,000 lakes and estuaries (coastal salt lakes, limans) covering more than 200,000 ha. Forty lakes are comparatively large (more than 10 square km each). The largest lakes are Lake Svityaz and Turske in the northwestern part of the country. The largest estuary lake is Dnister Liman. The coast lines of the Black Sea and the Sea of Azov stretch for 1,050 km along the southern border of Ukraine.

A brief overview of taxonomic biodiversity in Ukraine: plants, fungi and animals

Being a large country and stretching through several physiographic zones, Ukraine has a relatively high level of biodiversity, which is, however, often underestimated.

The rich biota of Ukraine consists of more than 70,000 species of living organisms. There are still some evident gaps in our knowledge of Ukraine's biodiversity, especially certain taxonomically complicated groups of animals, plants and fungi. The degree to which the large systematic groups have been studied varies. There is fairly complete data on vascular plants and vertebrates (mammals, birds, reptiles and amphibians, fishes); while many groups of macrofungi, non-vascular plants and invertebrate animals have been poorly studied. There is virtually no information on some groups of microfungi and insects.

There are more than 25,000 species of plants and fungi in Ukraine, including 5,100 species of vascular plants [according to the official data provided in the National Report; our estimation is somewhat different ! – S.M.], more than 15,000 fungi and myxomycetes, more than 1,000 lichens, almost 800 mosses and ca. 4,000 algae. The floristically richest regions

of Ukraine are the Carpathian Mountains and Crimea (ca. 2,000 and 2,250 species of vascular plants respectively). The Crimean Mountains are especially rich in endemic taxa (250-300 endemics and subendemics, depending on a broad or narrow species concept).

Data on the number of species of vascular plant were summarized by B. V. Zaverukha (1985); the following data are given according to his publication.

According to M. I. Kotov (1965), there are 3545 species of vascular plants growing in Ukraine, including 714 species, which occur in Ukraine only in Crimea.

L. F. Kucheryava (1976) estimated the number of native vascular plants species occurring in Ukraine as 4029 (129 families and 896 genera), plus ca. 550 cultivated taxa.

According to Y. R. Shelyag-Sosonko & Y. P. Didukh (1975), there are ca. 4938 species (185 families and 1058 genera) of both native, alien, and widely cultivated species growing in Ukraine.

According to the latest data by B. V. Zaverukha (1985), there are 5078 (or ca. 5100) species of native plus main cultivated vascular plants. Native plus completely naturalized taxa account for 4523 species. The leading families are Asteraceae (104 genera and ca. 670 species), Poaceae (85/360), Rosaceae (34/290), Brassicaceae (62/232), Caryophyllaceae (30/ca. 230), Lamiaceae (33/215) etc.

At least 45,000 species of animals inhabit Ukraine. More than 44,000 of them are invertebrates (including more than 35,000 species of insects, about 3,500 other arthropods, 1,800 protozoans, 1,600 roundworms, 1,280 flatworms and 440 segmented worms, etc.). Vertebrates are represented by ca. 200 species of fish and lampreys, 17 amphibians, 21 reptiles, ca. 400 birds, and 108 mammals.

Conservation of biodiversity in Ukraine

National activities in biodiversity conservation are based on the Constitution of Ukraine (adopted in 1996), national environmental and conservational legislation, and international conventions ratified by Ukraine. Such international agreements, as the Convention on Biological Diversity are viewed in Ukraine as a legal and ethical obligation. The Ministry for Environmental Protection and Nuclear Safety of Ukraine (MEPNS) is the primary governmental body responsible for the national environmental policy, natural resources, biodiversity conservation, etc. Other governmental agencies responsible for conservation and use of natural resources are: the Ministry of Agriculture and Food, State Committee of Forestry, State Committee of Land Resources, State Committee of Water Management, State Committee of Geology, etc.

The network of protected areas in Ukraine consists of 6572 areas and sites covering 2,037,200 hectares, or 3.37% of the territory of Ukraine (data of 1 January 1997). The conservation network is being constantly developed and expanded. The National Strategy and Action Plan for conservation of Ukraine's biodiversity has been recently approved at the highest governmental level (Cabinet of Ministers and Parliament).

According to the Law of Ukraine "On Protection of Environment" of 25 June 1991, the species listed in the Red Data Book of Ukraine (RDBU) are natural resources of national importance. The present legal status of RDBU is defined in Ukrainian Parliament's Act "On the Red Data Book of Ukraine" of 29 October 1992. The present, second edition of RDBU consists of two volumes, which provide brief descriptions, illustrations, distribution maps and other relevant data on rare and threatened organisms of Ukraine. The first volume is devoted to 541 taxa of plants and fungi: vascular plants (439 species), mosses (28), algae (17), lichens (27), and fungi (30). The second volume includes 382 species of animals: hydroids (2 species), roundworms (2), segmented worms (7), crustaceans (26), arachnids (2), myriapods (3), insects (173), mollusks (12), jawless fishes (2), fishes (32), amphibians (5), reptiles (8), birds (67), and mammals (41). The second edition of RDBU is considerably updated and expanded as compared to the first edition (1980), which listed only 151 species of vascular plants and 85 species of animals (29 mammals, 28 birds, 6 reptiles, 4 amphibians and 18 insects).

The 1997 IUCN Red List of Threatened Plants (Walter & Gillett, 1997) officially includes 52 species of vascular plants from Ukraine. However, many plants of the Ukrainian flora are reported in the Red List for the "former USSR", "former European USSR", or adjacent countries (Russia, Poland, Slovakia, Romania, etc.). According to our data (Mosyakin, 1999), about 108 taxa (mostly species, but also a few subspecies and varieties) of vascular plants occurring in Ukraine are in fact listed in the 1997 IUCN Red List.

The Green Data Book of Ukraine (GDBU) is the unique example in the world conservation practice. In fact, it is a new conceptual approach to conservation of biodiversity with the main stress on its coenotic aspect, on rare, unique, and typical plant communities. The first version of GDBU was prepared and published as a fundamental scientific monograph by scientists of the M. G. Kholodny Institute of Botany (National Academy of Sciences of Ukraine) in 1987 (Shelyag-Sosonko & al., 1987). In 1997, following the decision of the Government, GDBU was recognized as a legal document providing legal justification for conservation of rare and threatened plant communities. GDBU provides information about 126 plant communities. All major types of vegetation are represented: forest (51 communities), steppe (26), meadow (16), aquatic vegetation (16), mire and swamp (12) and shrub (5) plant communities. A new updated edition of GDBU is being prepared.

Selected Literature

- Bayrak, O. (1997):** Flora of the Left-Bank Dnieper area. A checklist of vascular plants. Verstka Press, Poltava. [In Ukrainian.]
- Байрак О. М.** Конспект флори Лівобережного Придніпров'я. Судинні рослини. – Полтава: Верстка, 1997. – 164 с.
- Brummitt, R. K. & C. E. Powell (1992):** Authors of plant names. Royal Botanic Gardens, Kew.
- Cherepanov (Czerepanov), S. K. (1973):** Additamenta et corrigenda ad "Floram URSS" (tomi I-XXX). Nauka Press, Leningrad. [Mostly Latin names and citations; comments in Russian.]
- Черепанов С. К.** Свод дополнений и изменений к "Флоре СССР" (тт. I-XXX). – Ленинград: Наука, 1973. – 668 с.
- Cherepanov (Czerepanov), S. K. (1981):** Vascular plants of the USSR. Nauka Press, Leningrad. [List of Latin names; introduction and comments in Russian.]
- Черепанов С. К.** Сосудистые растения СССР. – Ленинград: Наука, 1981. – 510 с.
- Cherepanov (Czerepanov), S. K. (1995):** Vascular plants of Russia and adjacent states (the former USSR). Cambridge University Press, Cambridge & New York. [English language edition.]
- Черепанов С. К.** Сосудистые растения России и сопредельных государств (в пределах бывшего СССР). – Санкт-Петербург: "Мир и Семья-95", 1995. – 990 с. [Russian edition; for distribution exclusively in the CIS countries, Estonia, Latvia, and Lithuania.]
- Шорук, V. I. [ed.] et al. (1977):** Manual of plants of the Ukrainian Carpathians. Naukova Dumka Press, Kiev. [In Ukrainian.]
- Чопик В. І. (ред.) та ін.** Визначник рослин Українських Карпат. – Київ: Наукова думка, 1977. – 436 с.
- Шорук, V. I., M. M. Bortnyak, Y. O. Voytyuk & al. (1998):** Flora of the Middle Dnieper area. A checklist of vascular plants. Phytosociocentre, Kiev. [In Ukrainian.]
- Чопик В. І., Бортняк М. М., Войтюк Ю. О. та ін.** Конспект флори Середнього Придніпров'я. Судинні рослини. – Київ: Фітосоціоцентр, 1998. – 140 с.
- Flora of Eastern Europe (Flora Europae Orientalis) (1996):** Vol. 9. "Mir i Sem'ya-95" Press, St.Petersburg. [In Russian. Continuation of the *Flora of the European part of the USSR* series. Vol. 9 edited by N. N. Tsvetlev.]
- Флора Восточной Европы (Flora Europae Orientalis) / Ред. Н. Н. Цветлев.** – Т. 9. – Санкт-Петербург: "Мир и Семья-95", 1996. – 456 с.

- Flora of the European part of the USSR (Flora Partis Europae URSS) (1974-1994):** Vol. 1–8. Nauka Press, Leningrad (vol. 7 – St.Petersburg). [In Russian. Volumes 1–6 edited by An. A. Fedorov, volumes 7–8 edited by N. N. Tsvelev.]
- Флора европейской части СССР (Flora Partis Europae URSS) /** Ред. Ан.А. Федоров (т. 1–6) и Н.Н. Цвелев (т. 7–8). – Т. 1–8. – Ленинград (т. 7 – Санкт-Петербург): Наука, 1974–1994.
- Flora of the Ukrainian SSR (1936-1965):** Vol. 1–12. Academy of Sciences of the Ukrainian SSR (vol. 1–11) & Naukova Dumka Press (vol. 12), Kiev. [In Ukrainian. The series founded by A. V. Fomin; separate volumes edited by A. V. Fomin, E. I. Bordzilowsky, M. V. Klokov, M. I. Kotov, D. K. Zerov, etc.]
- Флора УРСР.** – Т. 1–12. – Київ: Вид-во АН УРСР (т. 12 – Київ: Наукова думка), 1936–1965.
- Flora of the USSR (1934-1964):** Vol. 1-30. Academy of Sciences of the USSR: Moscow & Leningrad. [In Russian. The series founded by V. L. Komarov; separate volumes edited by V. L. Komarov, B. K. Shishkin, etc. English translation is available now for almost all volumes; however, the translation quality is often unsatisfactory.]
- Флора СССР.** – Т. 1–30. – Москва; Ленинград: Изд-во АН СССР, 1934–1964.
- Fodor, S. S. (1974):** Flora of Transcarpathia. Vyshcha Shkola Press, Lviv. [In Ukrainian.]
- Фодор С. С. (1974):** Флора Закарпаття. – Львів: "Вища школа", вид-во при Львівському держ. університеті. – 208 с.
- Kokhno, N. A. [ed.] & al. (1986):** Trees and shrubs cultivated in the Ukrainian SSR. Angiosperms. Naukova Dumka Press, Kiev. [In Russian.]
- Кохно Н. А. (ред.) и др. (1986):** Деревья и кустарники, культивируемые в Украинской ССР. Покрытосеменные. – Киев: Наукова думка, 1986. – 720 с.
- Kondratyuk, E. N. [ed.], S. I. Kuznetsov, P. Y. Chupryna & al. (1985):** Trees and shrubs cultivated in the Ukrainian SSR. Gymnosperms. Naukova Dumka Press, Kiev. [In Russian.]
- Кондратьюк Е. Н. (ред.), Кузнецов С. И., Чуприна П. Я. и др. (1985):** Деревья и кустарники, культивируемые в Украинской ССР. Голосеменные. – Киев: Наукова думка, 1985. – 200 с.
- Kondratyuk, E. N., R. I. Burda & V. M. Ostapko (1985):** A checklist of the flora of the Ukrainian Southeast. Vascular plants. Naukova Dumka Press, Kiev. [In Russian.]
- Кондратьюк Е.Н., Бурда Р.И., Остапко В.М. (1985):** Конспект флоры юго-востока Украины. – Киев: Наукова думка. – 271 с.
- MEPNS & ICCBLD (Ministry for Environmental Protection and Nuclear Safety of Ukraine & Inter-Agency Co-ordination Commission on Conservation of Biological and Landscape**

Diversity) (1997): National Report of Ukraine on Conservation of Biological Diversity. Kyiv. 31 pp. [Available in Ukrainian and English].

Національна доповідь України про збереження біологічного різноманіття / Міністерство охорони навколишнього природного середовища та ядерної безпеки України; Міжвідомча координаційна комісія з питань збереження біологічного та ландшафтного різноманіття. – Київ, 1997. – 31 с.

MEPNS & ICCCLD (1998): Strategy of Conservation of Ukraine's Biological Diversity. Kyiv. 11 pp. [Available in Ukrainian and English].

Концепція збереження біологічного різноманіття України / Міністерство охорони навколишнього природного середовища та ядерної безпеки України; Міжвідомча координаційна комісія з питань збереження біологічного та ландшафтного різноманіття. – Київ, 1998. – 17 с.

Mosyakin, S. L. (1999): Plants of Ukraine in the 1997 IUCN Red List of Threatened Plants. Ukr. Bot. Zhurn. 56(1): 79–88. [In Ukrainian.]

Мосякін С. Л. Рослини України у світовому Червоному списку // Укр. бот. журн. – 1999. – 56(1). – С. 76–88.

Prokudin, Y. N. & al. (1977): Grasses of Ukraine. Naukova Dumka Press, Kiev. [In Russian.]

Прокудин Ю. Н. и др. Злаки Украины. – Киев: Наукова думка, 1977. – 518 с.

Prokudin, Y. N. (ed.) & al. (1987): Manual of vascular plants of Ukraine. Naukova Dumka Press, Kiev. [In Russian.]

Прокудин Ю. Н. (ред.) и др. Определитель высших растений Украины. – Киев: Наукова думка, 1987. – 548 с.

Protopopova, V. V. (1991): Synanthropic flora of Ukraine and its development. Naukova Dumka Press, Kiev. [In Russian.]

Протопопова В. В. Синантропная флора Украины и пути ее развития. – Киев: Наукова думка, 1991. – 204 с.

Rubtsov, N. I. (ed.) & al. (1972): Manual of vascular plants of Crimea. Nauka Press, Leningrad. [In Russian.]

Рубцов Н. И. (ред.) и др. Определитель высших растений Крыма. – Ленинград: Наука, 1972. – 550 с.

Shelyag-Sosonko, Y. R. [ed.] & al. (1987): Green Data Book of Ukraine. Rare, endangered and typical plant communities in need of protection. Naukova Dumka Press, Kiev. [In Russian.]

Шеляг-Сосонко Ю. Р. (ред.) и др. Зеленая книга Украинской ССР: Редкие, исчезающие и типичные, нуждающиеся в охране растительные сообщества. – Киев, Наукова думка, 1987. – 216 с.

- Shelyag-Sosonko, Y. R. [ed.] & al. (1996):** Red Data Book of Ukraine. Plants. Ukrayins'ka Entsyklopediya Press, Kiev. [In Ukrainian.]
- Шеляг-Сосонко Ю. Р. (ред.) та ін.** Червона книга України. Рослинний світ. - Київ: Вид-во "Українська енциклопедія" ім. М. П. Бажана, 1996. – 608 с.
- Tasenkevich, L. (1998):** Flora of the Carpathians. Checklist of the native vascular plant species. State Museum of Natural History, National Academy of Sciences of Ukraine, Lviv. – xiii + 610 p. [In English and Ukrainian.]
- Тасенкевич Л.** Природна флора Карпат. Список видів судинних рослин. – Львів, Державний природознавчий музей НАН України, 1998. – xiii + 610 с.
- Takhtajan, A. L. (1987):** Systema Magnoliophytorum. Nauka Press, Leningrad. [In Russian; English editions available.]
- Тахтаджян А. Л.** Система магнолиофитов. - Ленинград: Наука, 1987. - 439 с.
- Tsvelev, N. N. (1976):** Grasses of the USSR. Nauka Press, Leningrad. [In Russian. English translation is available – see below.]
- Цвелев Н. Н.** Злаки СССР. – Ленинград: Наука, 1976. – 788 с.
- Tsvelev, N. N. (1983).** Grasses of the Soviet Union. Amerind Publ. Co., New Delhi. 2 vols. 1196 pp. [English translation of Tsvelev, 1976.]
- Tutin, T. G. (ed.) & al. (1964-1994):** Flora Europaea. Vol. 1-5. Cambridge University Press, Cambridge.
- Walter, K. S. & H. J. Gillett [eds.] (1998):** 1997 IUCN Red List of Threatened Plants. Compiled by the World Conservation Monitoring Centre. IUCN – The World Conservation Union, Gland, Switzerland and Cambridge, UK, 1998. Ixiv + 862 pp.
- Wulf (Wulff), E. W. & al. (1927-1969):** Flora of Crimea (Flora Taurica). Vol. 1-3. Yalta & Moscow. [In Russian. Three volumes, each consisting of several separate fascicles (books) published in Yalta and Moscow by different publishers. The complete bibliography is complicated.]
- Вульф Е. В. и др.** Флора Крыма (Flora Taurica). – Т. 1-3 (отдельные выпуски). – Ялта: Москва, 1927-1969.
- Yakovlev, G. P., A. K. Sytin & Yu. R. Roskov (1996):** Legumes of Northern Eurasia. A Checklist. Royal Botanic Gardens, Kew. 724 pp.
- Zaverukha, B. V. (1985):** Vascular plants. Pp. 20-46 in: Y. R. Shelyag-Sosonko (ed.). Nature of the Ukrainian SSR: The plant kingdom. Naukova Dumka Press, Kiev. [In Russian].
- Заверуха Б. В.** Сосудистые растения // Природа Украинской СССР. Растительный мир. – Киев: Наукова думка, 1985. – С. 20-46.

DIVISIO LYCOPODIOPHYTA

FAMILY Lycopodiaceae

- (*Diphasium alpinum* (L.) Rothm.) = *Diphasiastrum alpinum*
(*Diphasium anceps* (Wallr.) A.Löve & D.Löve) = *Diphasiastrum complanatum*
(*Diphasium complanatum* (L.) Rothm.) = *Diphasiastrum complanatum*
(*Diphasium complanatum* (L.) Rothm. subsp. *issleri* (Rouy) Dostál) = *Diphasiastrum issleri*
(*Diphasium issleri* (Rouy) Holub) = *Diphasiastrum issleri*
(*Diphasium tristachyum* (Pursh) Rothm.) = *Diphasiastrum tristachyum*
(*Diphasium wallrothii* H.P.Fuchs) = *Diphasiastrum complanatum*
(*Diphasium zeilleri* (Rouy) Damboldt) = *Diphasiastrum zeilleri*

***Diphasiastrum alpinum* (L.) Holub**

***Diphasiastrum complanatum* (L.) Holub**

Conservation status: RDBU (2).

***Diphasiastrum issleri* (Rouy) Holub**

Conservation status: ERL (V).

Note: A hybridogenous species (= *D. alpinum* × *D. tristachyum*).

***Diphasiastrum tristachyum* (Pursh) Holub**

***Diphasiastrum zeilleri* (Rouy) Holub**

Note: A hybridogenous species (= *D. complanatum* × *D. tristachyum*).

(*Lepidots inundata* (L.) Börner) = *Lycopodiella inundata*

***Lycopodiella inundata* (L.) Holub**

Conservation status: RDBU (2).

[*Lycopodium alpinum* L.] = *Diphasiastrum alpinum*

***Lycopodium annotinum* L.**

Conservation status: RDBU (2).

***Lycopodium clavatum* L.**

[*Lycopodium complanatum* L.] = *Diphasiastrum complanatum*

[*Lycopodium inundatum* L.] = *Lycopodiella inundata*

[*Lycopodium issleri* (Rouy) Domin] = *Diphasiastrum issleri*

(*Lycopodium selago* L.) = *Huperzia selago*

[*Lycopodium tristachyum* Pursh] = *Diphasiastrum tristachyum*

[*Lycopodium zeilleri* (Rouy) Greuter & Burdet] = *Diphasiastrum zeilleri*

FAMILY Huperziaceae

Huperzia selago (L.) Bernh. ex Schrank & C.Mart.

Conservation status: RDBU (1).

(*Mirmau selago* (L.) H.P.Fuchs) = *Huperzia selago*

(*Urostachys selago* (L.) Herter) = *Huperzia selago*

FAMILY Selaginellaceae

[*Lycopodioides helveticum* (L.) Kuntze] = *Selaginella helvetica*

Selaginella helvetica (L.) Spring

Conservation status: RDBU (1).

Selaginella selaginoides (L.) C.Mart.

Conservation status: RDBU (1).

FAMILY Isoëtaceae

Isoëtes lacustris L.

Conservation status: RDBU (2).

DIVISIO EQUISETOPHYTA

FAMILY Equisetaceae

Equisetum arvense L.

Equisetum fluviatile L.

(*Equisetum heleocharis* Ehrh.) = *Equisetum fluviatile*

Equisetum hyemale L.

(*Equisetum limosum* L.) = *Equisetum fluviatile*

Equisetum × litorale Küchlew. ex Rupr. = *Equisetum arvense* × *Equisetum fluviatile*

(*Equisetum majus* Garsault) = *Equisetum telmateia*

(*Equisetum maximum* Lam.) = *Equisetum telmateia*

Equisetum palustre L.

Equisetum pratense L.

Equisetum ramosissimum Desf.

Equisetum sylvaticum L.

Equisetum telmateia Ehrh.

Equisetum × torgesianum Rothm. = Equisetum arvense × Equisetum palustre
Equisetum variegatum Schleich. ex Weber & Mohr

[Hippochaete hyemalis (L.) Bruhin] = Equisetum hyemale

[Hippochaete ramosissima (Desf.) Börner] = Equisetum ramosissimum

[Hippochaete variegata (Schleich. ex Weber & Mohr) Bruhin] = Equisetum variegatum

DIVISIO POLYPODIOPHYTA

FAMILY Adiantaceae (Pteridaceae s.l.)

Adiantum capillus-veneris L.

Conservation status: RDBU (1).

FAMILY (Aspidiaceae) = Dryopteridaceae

FAMILY Aspleniaceae

Asplenium adiantum-nigrum L.

Conservation status: RDBU (3).

[Asplenium adiantum-nigrum L. subsp. cuneifolium (Viv.) Asch.] = Asplenium cuneifolium

?**Asplenium × adulteriniforme** Lovis, Melzen & Reichstein = Asplenium trichomanes ×
Asplenium viride

Asplenium × alternifolium Wulfen = Asplenium septentrionale × Asplenium trichomanes

[Asplenium billotii F.W.Schultz] = Asplenium obovatum subsp. lanceolatum

[Asplenium ceterach L.] = Ceterach officinarum

Asplenium cuneifolium Viv.

{Asplenium germanicum auct. non Weis} = Asplenium × alternifolium

(Asplenium heufleri Reichardt) = Asplenium × heufleri

Asplenium × heufleri Reichardt = Asplenium septentrionale × Asplenium trichomanes
(subsp. quadrivalens D.E.Mey.)

Asplenium obovatum Viv. subsp. **lanceolatum** (Fiori) P.Silva

Asplenium ruta-muraria L.

[Asplenium scolopendrium L.] = Phyllitis scolopendrium

Asplenium septentrionale (L.) Hoffm.

?**Asplenium × souchei** Litard.

Note: Reported for the Crimean South Coast, Ayudag (V. Golubev, 1995, Bot. Zhurn.
80(11): 46-54).

Asplenium trichomanes L.

Asplenium trichomanes L. subsp. **quadrivalens** D.E.Mey.

Asplenium viride Huds.

Ceterach officinarum Willd.

Phyllitis scolopendrium (L.) Newman

(*Scolopendrium officinale* Sw.) = *Phyllitis scolopendrium*

FAMILY Athyriaceae

(*Acrostichum alpinum* Bolton) = *Woodsia alpina*

(*Acrostichum ilvense* L.) = *Woodsia ilvensis*

(*Athyrium alpestre* (Höpfer) Rylands ex T.Moore 1857, non Clairv. 1811) = *Athyrium distentifolium*

Athyrium distentifolium Tausch ex Opiz

Athyrium filix-femina (L.) Roth

Note: *Athyrium reichsteini* Schneller & Rasbach (= *A. distentifolium* × *A. filix-femina*) can be expected in the Carpathians.

Cystopteris alpina (Lam.) Desv.

Cystopteris fragilis (L.) Bernh.

Cystopteris montana (Lam.) Bernh. ex Desv.

(*Cystopteris regia* (L.) Desv., nom. ambig.) = *Cystopteris fragilis*

{*Cystopteris regia* auct. non (L.) Desv.} = *Cystopteris alpina*

Cystopteris sudetica A.Braun & Milde

[*Rhizomatopteris montana* (Lam.) A.P.Khokhr.] = *Cystopteris montana*

[*Rhizomatopteris sudetica* (A.Braun & Milde) A.P.Khokhr.] = *Cystopteris sudetica*

Woodsia alpina (Bolton) S.F.Gray

Conservation status: RDBU (2).

Woodsia ilvensis (L.) R.Br.

Conservation status: RDBU (2).

FAMILY Azollaceae

Azolla caroliniana Willd.

Azolla filiculoides Lam.

FAMILY Blechnaceae

Blechnum spicant (L.) Roth

FAMILY Dennstaedtiaceae

Pteridium aquilinum (L.) Kuhn

Pteridium tauricum (C.Presl) V.Krecz. ex Grossh. ~ *Pteridium aquilinum*

FAMILY Dryopteridaceae

Gymnocarpium × achriosporum Sarvela = *Gymnocarpium dryopteris* × *Gymnocarpium robertianum*

Note: Occurrence of this sterile hybrid in Ukraine needs confirmation.

Gymnocarpium dryopteris (L.) Newman

{*Gymnocarpium heterosporum* auct. non W.H.Wagner} = *Gymnocarpium × achriosporum*

Note: *Gymnocarpium × heterosporum* is a putative triploid hybrid between *G.*

robertianum and *G. appalachianum* Pryer & Hauffler, a local endemic of the Appalachian region in North America (K.M. Pryer, 1992, Amer. Fern J. 82: 34-39).

A tetraploid hybrid *G. × achriosporum* Sarvela (*G. dryopteris* × *G. robertianum*) is extremely rare in Europe. Probably Ukrainian plants erroneously reported as "*G. heterosporum*" are in fact *G. × achriosporum*.

{*Gymnocarpium × intermedium* auct. non Sarvela} = *Gymnocarpium × achriosporum*

Note: *Gymnocarpium × intermedium* s. str. is a hybrid between *G. jessoense* (Koidz.) Koidz. and *G. dryopteris*. It does not occur in Ukraine.

Gymnocarpium robertianum (Hoffm.) Newman

Dryopteris affinis (Lowe) Fraser-Jenkis

(*Dryopteris assimilis* S. Walker) = *Dryopteris expansa*

(*Dryopteris austriaca* (Jacq.) Woyнар ex Schinz & Thell. s.str.) = *Pteridium aquilinum*

{*Dryopteris austriaca* auct. non (Jacq.) Woyнар ex Schinz & Thell.} = *Dryopteris dilatata*

Dryopteris caucasica (A.Braun) Fraser-Jenkins & Corley

Note: Reported for the Crimean Mountains (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Dryopteris carthusiana (Vill.) H.P.Fuchs

Dryopteris cristata (L.) A.Gray

Dryopteris dilatata (Hoffm.) A.Gray

(*Dryopteris dilatata* (Hoffm.) A.Gray subsp. *americana* (Fisch.) Hultén) = *Dryopteris expansa*

(*Dryopteris euspinulosa* (Diels) Fomin, nom. illeg.) = *Dryopteris carthusiana*

Dryopteris expansa (C.Presl) Fraser-Jenkis & Jermy

Dryopteris filix-mas (L.) Schott

(*Dryopteris lanceolatocristata* (Hoffm.) Alst.) = *Dryopteris carthusiana*

(*Dryopteris linneana* C.Chr.) = *Gymnocarpium dryopteris*
(*Dryopteris phegopteris* (L.) C.Chr.) = *Phegopteris connectilis*
(*Dryopteris pseudomas* (Wollaston) Holub & Pouzar) = *Dryopteris affinis* s.l.
(*Dryopteris robertiana* (Hoffm.) C.Chr.) = *Gymnocarpium robertianum*
(*Dryopteris thelypteris* (L.) A.Gray) = *Thelypteris palustris*
Dryopteris × *uliginosa* (A.Braun ex Döll) Druce = *Dryopteris carthusiana* × *Dryopteris cristata*

Polystichum aculeatum (L.) Roth
(*Polystichum angulare* (Kit. ex Willd.) C.Presl) = *Polystichum setiferum*
Polystichum braunii (Spenner) Fée
? *Polystichum* × *illiricum* (Borbás) Hahne = *Polystichum aculeatum* × *Polystichum lonchitis*
Polystichum lonchitis (L.) Roth
Polystichum setiferum (Forssk.) T.Moore ex Woyнар

FAMILY Hemionitidaceae

Anogramma leptophylla (L.) Link
Conservation status: RDBU (1).

FAMILY (Hypolepidaceae) = Dennstaedtiaceae

FAMILY Marsileaceae

Marsilea quadrifolia L.
Conservation status: RDBU (1).

Pilularia globulifera L.
Conservation status: ERL (V).

FAMILY Onocleaceae

Matteuccia struthiopteris (L.) Tod.

(*Struthiopteris filicastrum* All.) = *Matteuccia struthiopteris*
(*Struthiopteris germanica* Willd.) = *Matteuccia struthiopteris*

FAMILY Ophioglossaceae

Note: Including *Botrychiaceae*.

(*Botrychium charcoviense* Portenschl.) = *Botrychium virginianum*

Botrychium lunaria (L.) Sw.

Conservation status: RDBU (2).

Botrychium matricariifolium (A.Braun ex Döll) W.D.J.Koch

(*Botrychium matricarioides* Willd.) = *Botrychium multifidum*

Botrychium multifidum (S.G.Gmel.) Rupr.

Botrychium virginianum (L.) Sw.

(*Botrychium virginicum* Willd.) = *Botrychium virginianum*

[*Botrypus virginianus* (L.) Holub] = *Botrychium virginianum*

Ophioglossum vulgatum L.

[*Sceptridium multifidum* (S.G.Gmel.) Tagawa] = *Botrychium multifidum*

FAMILY Polypodiaceae

Polypodium interjectum Shivas

Polypodium vulgare L.

FAMILY Pteridaceae

Pteris cretica L.

Conservation status: RDBU (4).

FAMILY Salviniaceae

Salvinia natans (L.) All.

Conservation status: RDBU (2).

FAMILY Sinopteridaceae

Cheilanthes acrosticha (Balb.) Tod.

{*Cheilanthes fragrans* auct. non (L.f.) Sw.} = *Cheilanthes acrosticha*

[*Cheilanthes marantae* (L.) Domin] = *Notholaena marantae*

Cheilanthes persica (Bory) Mett. ex Kuhn

Conservation status: RDBU (1).

{*Cheilanthes pteridioides* auct. non (Reichard) C.Chr.} = *Cheilanthes acrosticha*

Notholaena marantae (L.) Desv.

Conservation status: RDBU (1).

(*Notolaena persica* Bory) = *Cheilanthes persica*

FAMILY Thelypteridaceae

[*Lastrea limbosperma* (Bellardi ex All.) Holub & Pouzar] = *Oreopteris limbosperma*

Oreopteris limbosperma (Bellardi ex All.) Holub

Phegopteris connectilis (Michx.) Watt

[*Thelypteris limbosperma* (Bellardi ex All.) H.P.Fuchs] = *Oreopteris limbosperma*

Thelypteris palustris Schott

[*Thelypteris phegopteris* (L.) Sloss.] = *Phegopteris connectilis*

DIVISIO PINOPHYTA (= GYMNOSPERMAE)

FAMILY Cupressaceae

(*Biota orientalis* (L.) Endl.) = *Platycladus orientalis*

* *Calocedrus deccurrens* (Torr.) Florin

* *Chamaecyparis lawsoniana* (A.Murray) Parl.

* *Chamaecyparis nootkatensis* (D.Don) Sudworth

* *Chamaecyparis pisifera* (Siebold & Zucc.) Endl.

* *Cupressus arizonica* Greene

* *Cupressus funebris* Endl.

* *Cupressus goveniana* Gordon

* *Cupressus guadalupensis* S.Watson

* *Cupressus lusitanica* Mill.

* *Cupressus macnabiana* A.Murray

* *Cupressus macrocarpa* Hartweg

*! *Cupressus sempervirens* L.

Note: Reported as escaped in the Crimean South Coast (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

* *Cupressus torulosa* D.Don

(*Juniperus alpina* (Suter) S.F.Gray) = *Juniperus sibirica*

* *Juniperus chinensis* L.

Juniperus communis L.

[*Juniperus communis* L. subsp. *alpina* Čelak.] = *Juniperus sibirica*

[*Juniperus communis* L. subsp. *hemisphaerica* (C.Presl) Nyman] = *Juniperus hemisphaerica*

Juniperus communis L. subsp. *nana* (Willd.) Syme) = *Juniperus sibirica*

Juniperus depressa Steven 1857, non Raf. 1818) = *Juniperus hemisphaerica*

Juniperus excelsa M.Bieb.

Conservation status: RDBU (2).

Juniperus foetidissima Willd.

Conservation status: RDBU (2).

Juniperus hemisphaerica C.Presl

Juniperus isophyllos auct. non K.Koch} = *Juniperus excelsa*

Juniperus klokovii Kondr., nom. inval.) = *Juniperus hemisphaerica*

Juniperus marschalliana Steven) = *Juniperus oxycedrus*

Juniperus nana Willd.) = *Juniperus sibirica*

Juniperus oxycedrus L.

{*Juniperus pygmaea* auct. non K.Koch} = *Juniperus hemisphaerica*

Juniperus sabina L.

Juniperus sibirica Burgsd.

**Juniperus virginiana* L.

Note: Several other species of *Juniperus* are cultivated in botanical gardens and parks:

North American taxa *J. horizontalis* Moench, *J. occidentalis* Hook., *J. scopulorum*

Sarg., and Asian species *J. pseudosabina* Fisch. & C.A.Mey., *J. rigida* Siebold & Zucc., *J.*

sargentii (A.Henry) Takeda ex Koidz., *J. semiglobosa* Regel, *J. seravschanica* Kom., and

J. turkestanica Kom.

(*Libocedrus decurrens* Torr.) = *Calocedrus decurrens*

**Platycladus orientalis* (L.) Franco

(*Sabina officinalis* Garcke) = *Juniperus sabina*

(*Sabina virginiana* (L.) Antoine) = *Juniperus virginiana*

(*Sabina vulgaris* Antoine) = *Juniperus sabina*

(*Sabinus sabina* (L.) Kondr., nom. illeg.) = *Juniperus sabina*

**Thuja occidentalis* L.

(*Thuja orientalis* L.) = *Platycladus orientalis*

**Thuja plicata* D.Don

**Thujopsis dolabrata* Siebold & Zucc.

FAMILY Ephedraceae

Ephedra arborea Lag.

Ephedra distachya L.

FAMILY Ginkgoaceae

**Ginkgo biloba* L.

FAMILY Pinaceae

Abies alba Mill.

**Abies balsamea* (L.) Mill.

**Abies cephalonica* Loudon

**Abies cilicica* Carrière

**Abies concolor* (Gordon & Glend.) Hildebr.

(*Abies douglasii* Lindl.) = *Pseudotsuga menziesii*

(*Abies excelsa* (Lam.) DC.) = *Picea abies*

(*Abies larix* (L.) Poir.) = *Larix decidua*

**Abies nordmanniana* (Steven) Spach

**Abies numidica* De Lannoy

(*Abies picea* Mill.) = *Picea abies*

**Abies pinsapo* Boiss.

**Abies sibirica* Ledeb.

Note: In addition to the taxa listed above, several other species of *Abies* are rarely cultivated in botanical gardens and parks: North American taxa *A. fraseri* (Pursh) Poir., *A. grandis* (Douglas ex D. Don) Lindl., *A. lowiana* (Gordon) A. Murray bis, and Asian *A. holophylla* Maxim., *A. nephrolepis* (Trautv.) Maxim., etc.
(*Abies taxifolia* Poir.) = *Pseudotsuga menziesii*

**Cedrus atlantica* (Endl.) Carrière

Note: Reported as escaped in Crimea, Ayudag (V. Golubev, 1995, Bot. Zhurn. 80(11): 6-54).

**Cedrus deodara* (D. Don) G. Don f.

**Cedrus libani* A. Rich.

**Chrysolarix amabilis* (Nelson) H.E. Moore

(*Larix carpatica* Domin) = *Larix polonica*

**Larix decidua* Mill.

Note: Records of *L. decidua* as a native species in the Carpathians need confirmation; they probably refer mostly to *L. polonica*, or cultivated plants.
(*Larix decidua* Mill. subsp. *carpatica* (Domin) Domin) = *Larix polonica*
[*Larix decidua* Mill. subsp. *polonica* (Racib.) Domin] = *Larix polonica*
(*Larix europaea* DC.) = *Larix decidua*
(*Larix larix* H. Karst., nom. inval.) = *Larix decidua*

(*Larix leptolepis* (Siebold & Zucc.) Gordon) = *Chrysolarix amabilis*

***Larix polonica* Racib.**

Conservation status: RDBU (1); IUCN RL (R), as *Larix decidua* subsp. *polonica*.

Note: This taxon probably has originated as an ancient hybrid between *L. decidua* and *L. sibirica*.

****Larix sibirica* Ledeb.**

Note: Several other species and hybrids of *Larix* are rarely cultivated in botanical gardens and arboreta: *L. laricina* (Du Roi) K.Koch (= *L. americana* Michx.), *L. × czekanowskii* Szafer (= *L. gmelinii* × *L. sibirica*), *L. gmelinii* (Rupr.) Rupr., *L. × lubarskii* Sukacz., *L. occidentalis* Nutt., *L. olgensis* A.Henry, *L. sukaczewii* Dylis, etc.

***Picea abies* (L.) H.Karst.**

(*Picea alba* (Aiton) Link) = *Picea glauca*

(*Picea canadensis* (Mill.) Britt., Sterns & Poggenb.) = *Picea glauca*

****Picea engelmannii* W.Parry ex Engelm.**

(*Picea excelsa* (Lam.) Link) = *Picea abies*

****Picea glauca* (Moench) Voss**

(*Picea montana* Schur) = *Picea abies* s.l.

****Picea morinda* Link**

****Picea omorica* (Pančić) Pyrkyně**

****Picea orientalis* (L.) Link**

****Picea pungens* Engelm.**

****Picea sitchensis* (Bongard) Carrière**

Note: Several other species of *Picea* are rarely cultivated in botanical gardens and arboreta.

(*Pinus abies* L.) = *Picea abies*

(*Pinus austriaca* Hull.) = *Pinus nigra*

(*Pinus balsamea* L.) = *Abies balsamea*

***!*Pinus banksiana* Lamb.**

{*Pinus brutia* auct. non Ten.} = *Pinus pityusa* var. *stankewiczii*

(*Pinus brutia* Ten. subsp. *stankewiczii* (Sukacz.) Nahal) = *Pinus pityusa* var. *stankewiczii*

(*Pinus brutia* Ten. var. *pityusa* (Steven) Silba) = *Pinus pityusa*

(*Pinus canadensis* L.) = *Tsuga canadensis*

***Pinus cembra* L.**

Conservation status: RDBU (3).

****Pinus coulteri* D.Don**

(*Pinus cretacea* Kalen.) = *Pinus sylvestris* var. *cretacea*

(*Pinus excelsa* Lam.) = *Picea abies*

(*Pinus fominii* Kondr.) = *Pinus sylvestris*

Note: *Pinus fominii* was regarded to be morphologically intermediate between *P. sylvestris* and *P. kochiana* (*P. sosnowskyi*).

***Pinus halepensis** Mill.

(*Pinus hamata* (Steven) Sostn. 1925, non Roetzl 1857) = *Pinus kochiana*

Pinus kochiana Klotzsch ex K. Koch

(*Pinus larix* L.) = *Larix decidua*

(*Pinus montana* Mill.) = *Pinus mugo*

***Pinus montezumae** Lamb.

(*Pinus mughus* Scop.) = *Pinus mugo*

Pinus mugo Turra

Note: Carpathian plants are reported to be represented by *P. mugo* subsp. *pumilio* (Haenke) Zenari.

***Pinus nigra** J.F. Arnold

[*Pinus nigra* J.F. Arnold subsp. *pallasiana* (D. Don) Holmboe] = *Pinus pallasiana*

Pinus pallasiana D. Don

***Pinus pinaster** Aitoh

***Pinus pinea** L.

Pinus pityusa Steven var. *stankewiczii* Sukacz.

Conservation status: RDBU (2), as *Pinus stankewiczii*; IUCN RL (V), as *Pinus brutia* var. *pityusa*.

***Pinus radiata** D. Don

***Pinus sabiniana** Dougl.

(*Pinus sosnowskyi* Nakai) = *Pinus kochiana*

[*Pinus stankewiczii* (Sukacz.) Fomin] = *Pinus pityusa* var. *stankewiczii*

***!Pinus strobus** L.

Note: Many other exotic taxa of *Pinus* are cultivated in botanical gardens and parks.

Pinus sylvestris L.

Pinus sylvestris L. var. *cretacea* Kalen. ex Kom.

Conservation status: RDBU (2), as *Pinus cretacea*; IUCN RL (1).

(*Pinus zerovii* Kondr.) = *Pinus sylvestris*

***Pseudotsuga menziesii** (Mirbel) Franco

(*Pseudotsuga taxifolia* Lamb. 1803, non Salisb. 1796) = *Pseudotsuga menziesii*

***Tsuga canadensis** (L.) Carrière

FAMILY Taxaceae

Taxus baccata L.

Conservation status: RDBU (3).

***Taxus canadensis** Marshall

***Taxus cuspidata** Siebold & Zucc. ex Endl.

FAMILY Taxodiaceae

- **Cryptomeria japonica* (L.f.) D.Don
- **Metasequoia glyptostroboides* Hu & W.C.Cheng
- **Sequoia sempervirens* (D.Don) Endl.
- **Sequoiadendron giganteum* (Lindl.) Buchholz
- **Taxodium distichum* (L.) Rich.

DIVISIO MAGNOLIOPHYTA

CLASS LILIOPSIDA (= MONOCOTYLEDONAE)

FAMILY Agavaceae

- **Yucca aloifolia* L.
- **Yucca glauca* Nutt.
- **Yucca gloriosa* L.
- **Yucca smalliana* Fernald

FAMILY Alismataceae

- (*Alisma angustifolium* Opiz) = *Alisma gramineum*
 - (*Alisma arcuatum* Michalet) = *Alisma gramineum*
 - (*Alisma damasonium* L.) = *Damasonium alisma*
 - Alisma gramineum* Lej.**
 - (*Alisma graminifolium* Ehrh. ex Steud.) = *Alisma gramineum*
 - Alisma lanceolatum* With.**
 - (*Alisma loeselii* Gorski) = *Alisma gramineum*
 - (*Alisma longifolium* J.Presl) = *Alisma lanceolatum*
 - (*Alisma parnassifolium* L.) = *Caldesia parnassifolia*
 - Alisma plantago-aquatica* L.**
 - (*Alisma ranunculoides* Opiz) = *Alisma gramineum*
 - (*Alisma stenophyllum* (Asch. & Graebn.) Sam.) = *Alisma lanceolatum*
- Caldesia parnassifolia* (L.) Parl.**

Damasonium alisma Mill.

Conservation status: RDBU (1).

(*Sagittaria hastata* Pursh) = *Sagittaria latifolia*

Sagittaria latifolia Willd.

Note: An alien species collected in 1971 in Crimea (see N. Rubtsov, 1975, Bot. Zhurn. 60(3): 387).

(*Sagittaria natans* Pall.) = *Sagittaria sagittifolia*

Sagittaria platyphylla (Engelm.) J.G.Smith

Note: A rare alien species reported for the Danube delta (see D. Dubyna, 1982, Ukr. Bot. Zhurn. 39(1): 37-40).

Sagittaria sagittifolia L.

Sagittaria trifolia L.

Note: A rare alien species reported from S Ukraine (between Odessa and Kherson, rice fields).

(*Sagittaria sagittata* Thunb.) = *Sagittaria trifolia*

FAMILY Alliaceae

(*Allium acutangulum* Schrad.) = *Allium angulosum*

Allium albidum Fisch. ex M.Bieb.

Conservation status: RDBU (3).

Allium albiflorum Omelezuk

Allium angulosum L.

***Allium ascalonicum** L.

{*Allium atrovioleaceum* auct. non Boiss.} = *Allium firmotunicatum*

(*Allium auctum* Omelezuk) = *Allium cyrillii*

Allium carinatum L.

***Allium cepa** L.

(*Allium convallarioides* Grossh.) = *Allium myrianthum*

Allium cyrillii Ten.

Allium decipiens Fisch. ex Schult. & Schult.f.

Allium erubescens K.Koch

Allium firmotunicatum Fomin

***Allium fistulosum** L.

Allium flavescens Besser

Allium guttatum Steven

Allium inaequale Janka

Allium jailae Vved.

Allium lineare L.

Conservation status: RDBU (3).

[*Allium lusitanicum* Lam.] = *Allium senescens* subsp. *montanum*
Allium marschallianum Vved. ~ *Allium saxatile* s.l.
(*Allium montanum* F.W.Schmidt 1794, non Schrank 1785) = *Allium senescens* subsp.
montanum
Allium moschatum L.
?Allium myrianthum Boiss.
Note: Reported from Crimea: needs confirmation.
Allium obliquum L.
Conservation status: RDBU (1).
?Allium ochroleucum Waldst. & Kit.
Note: Reported for the Carpathians (Fodor, 1974).
Allium oleraceum L.
Allium paczoskianum Tuzs.
Allium paniculatum L.
[*Allium paniculatum* L. subsp. *rupestre* (Steven) K.Richt.] = *Allium rupestre*
Allium pervestitum Klokov
Conservation status: RDBU (1); IUCN RL (R).
Allium podolicum (Asch. & Graebn.) Blocki ex Racib. = *Allium paniculatum* s.l.
***Allium porrum** L.
Allium praescissum Rchb. = *Allium paniculatum* s.l.
***Allium** × **proliferum** (Moench) Schrad. ex Willd. = *Allium cepa* × *Allium fistulosum*
Allium pseudopulchellum Omelezuk
{*Allium pulchellum* auct. non G.Don f.} = *Allium paczoskianum*
Allium regelianum A.Becker ex Iljin
Conservation status: RDBU (3); IUCN RL (R); ERL (R).
Allium rotundum L.
[*Allium rotundum* L. subsp. *waldsteinii* (G.Don f.) K.Richt.] = *Allium waldsteinii*
Allium rupestre Steven
***Allium sativum** L.
Allium savranicum Besser ~ *Allium saxatile* s.l.
{*Allium saxatile* auct. non M.Bieb.} = *Allium marschallianum* & *Allium savranicum*
Allium schoenoprasum L.
Allium scorodoprasum L.
[*Allium scorodoprasum* L. subsp. *jailae* (Vved.) Stearn] = *Allium jailae*
[*Allium scorodoprasum* L. subsp. *rotundum* (L.) Stearn] = *Allium rotundum*
[*Allium scorodoprasum* L. subsp. *waldsteinii* (G.Don f.) Stearn] = *Allium waldsteinii*
Allium scythicum Zoz
Conservation status: RDBU (1); ERL (R).
Allium senescens L. subsp. *montanum* (Fr.) Holub
{*Allium sibiricum* auct. non L.} = *Allium schoenoprasum*
Allium sphaerocephalon L.

Allium sphaeropodum Klokov

Conservation status: RDBU (1).

Allium strictum Schrad.

Conservation status: RDBU (1).

(*Allium tauricum* (Besser ex Rechb.) Grossh.) = *Allium paczoskianum*

(*Allium ucrainicum* (Kleopow & Oxner) Bordz.) = *Allium ursinum*

Allium ursinum L.

Conservation status: RDBU (2).

(*Allium ursinum* L. subsp. *ucrainicum* Kleopow & Oxner) = *Allium ursinum*

Allium victorialis L.

Allium vineale L.

(*Allium volhynicum* Besser) = *Allium strictum*

Allium waldsteinii G. Don f.

Nectaroscordum bulgaricum Janka

Conservation status: RDBU (2), as *Nectaroscordum meliophilum*: IUCN RL, as

Nectaroscordum dioscoridis s.l. (category I) and *Nectaroscordum meliophilum* (category R); ERL (I), as *Nectaroscordum meliophilum*.

{*Nectaroscordum dioscoridis* auct. non (Smith) Stank.} = *Nectaroscordum bulgaricum*

(*Nectaroscordum meliophilum* Juz.) = *Nectaroscordum bulgaricum*

{*Nectaroscordum siculum* auct. non (Ueria) Lindl.} = *Nectaroscordum bulgaricum*

[*Nectaroscordum siculum* (Ueria) Lindl. subsp. *bulgaricum* (Janka) Stearn] =

Nectaroscordum bulgaricum

FAMILY Amaryllidaceae

Galanthus elwesii Hook.f.

Conservation status: RDBU (3); IUCN RL (I).

Note: In Ukraine represented mostly (or exclusively ?) by var. *maximus* (see below).

Galanthus elwesii Hook.f. var. *maximus* (Velen.) G.Beck

(*Galanthus graecus* Orph. ex Boiss. var. *maximus* (Velen.) Hayek) = *Galanthus elwesii* var. *maximus*

(*Galanthus latifolius* Salisb.) = *Galanthus plicatus*

(*Galanthus maximus* Velen.) = *Galanthus elwesii* var. *maximus*

Galanthus nivalis L.

Conservation status: RDBU (2).

Galanthus plicatus M.Bieb.

Conservation status: RDBU (2); ERL (V).

Leucojum aestivum L.

Conservation status: RDBU (2).

Leucojum vernum L.

Conservation status: RDBU (2).

Leucojum vernum L. subsp. carpaticum (Spring) O.Schwarz

Note: Reported for the Carpathians by L. Tassenkevich (1995).

Narcissus angustifolius Curtis

Conservation status: RDBU (1).

***Narcissus jonquilla L.**

***Narcissus odorus L.**

***Narcissus poëticus L.**

[*Narcissus poëticus* L. subsp. *angustifolius* (Curtis) Asch. & Graebn.] = *Narcissus angustifolius*

***Narcissus pseudonarcissus L.**

***Narcissus tazetta L.**

Sternbergia colchiciflora Waldst. & Kit.

Conservation status: RDBU (2).

FAMILY Araceae

Acorus calamus L.

Arum albispatum Steven ex Ledeb.

Conservation status: RDBU (1).

Arum alpinum Schott & Kotschy

Arum besserianum Schott

Arum elongatum Steven

{*Arum immaculatum* auct.} = *Arum besserianum*

(*Arum italicum* Mill. subsp. *albispatum* (Steven ex Ledeb.) Prime) = *Arum albispatum*

{*Arum maculatum* auct. non L.} = *Arum alpinum* & *Arum besserianum*

(*Arum maculatum* L. subsp. *alpinum* (Schott & Kotschy) K.Richt.) = *Arum alpinum*

(*Arum maculatum* L. subsp. *besserianum* (Schott) Nyman) = *Arum besserianum*

Arum orientale M.Bieb.

Conservation status: RDBU (2).

(*Arum orientale* M.Bieb. subsp. *alpinum* (Schott & Kotschy) H.Riedl) = *Arum alpinum*

(*Arum orientale* M.Bieb. subsp. *besserianum* (Schott) Holub) = *Arum besserianum*

(*Arum orientale* M.Bieb. var. *elongatum* (Steven) Boiss.) = *Arum elongatum*

Calla palustris L.

***!Pistia stratiotes L.**

Note: A common aquarium species. It was recently collected as escaped in ponds in Odessa and Kiev, but then disappeared.

FAMILY Arecaceae (= Palmae)

(*Chamaerops fortunei* Hook.) = *Trachycarpus fortunei*

**Chamaerops humilis* L.

*!*Phoenix dactylifera* L.

Note: Young plants growing from seeds occasionally occur ephemerally in southern regions; usually they do not survive in winter.

{*Trachycarpus excelsa* auct. non (Thunb.) H. Wendl.} = *Trachycarpus fortunei*

**Trachycarpus fortunei* (Hook.) H. Wendl.

FAMILY Asparagaceae

Note: See also Ruscaceae.

{*Asparagus brachyphyllus* auct. non Turcz.} = *Asparagus pallasii*

(*Asparagus caspius* Schult. & Schult.f.) = *Asparagus officinalis*

(*Asparagus levinae* Klokov) = *Asparagus maritimus*

***Asparagus litoralis* Steven**

Conservation status: RDBU (2); ERL (1).

***Asparagus maritimus* (L.) Mill.**

***Asparagus officinalis* L.**

***Asparagus pallasii* Miscz.**

Conservation status: RDBU (2), as *Asparagus brachyphyllus*.

***Asparagus polyphyllus* Steven**

(*Asparagus ponticus* Woronow) = *Asparagus pallasii*

***Asparagus pseudoscaber* Grecescu**

***Asparagus tenuifolius* Lam.**

***Asparagus verticillatus* L.**

FAMILY Asphodelaceae

(*Anthericum calyculatum* L.) = *Tofieldia calyculata*

***Anthericum liliago* L.**

***Anthericum ramosum* L.**

***Asphodeline lutea* (L.) Rchb.**

Conservation status: RDBU (2).

Asphodeline taurica (Pall. ex M.Bieb.) Endl.

Eremurus jungei Juz.

Conservation status: ERL (R).

Eremurus spectabilis M.Bieb.

Conservation status: RDBU (3).

Eremurus tauricus Steven

Conservation status: RDBU (3); ERL (R).

Eremurus thiodanthus Juz. ~ *Eremurus spectabilis*

Conservation status: RDBU (3); ERL (R).

FAMILY Butomaceae

Butomus umbellatus L.

FAMILY Cannaceae

(*Canna coccinea* Mill.) = *Canna indica*

(*Canna edulis* Ker Gawl.) = *Canna indica*

**Canna* × *generalis* Bailey

**Canna indica* L.

**Canna iridiflora* Ruiz & Pav.

FAMILY Commelinaceae

Commelina communis L.

*!*Tradescantia virginiana* L.

FAMILY Convallariaceae

(*Convallaria bifolia* L.) = *Maianthemum bifolium*

Convallaria majalis L.

(*Convallaria latifolia* Mill.) = *Convallaria majalis*

Maianthemum bifolium (L.) F.W.Schmidt

Polygonatum buschianum Tzvelev

Note: Probably a hybrid between *P. odoratum* and *P. orientale*.

Polygonatum hirtum (Bocs ex Poir.) Pursh

(*Polygonatum latifolium* (Jacq.) Desf.) = *Polygonatum hirtum*

Polygonatum multiflorum (L.) All.

(*Polygonatum officinale* All.) = *Polygonatum odoratum*

Polygonatum odoratum (Mill.) Druce

Polygonatum orientale Desf.

(*Polygonatum polyanthemum* (M.Bieb.) Link) = *Polygonatum orientale*

Polygonatum verticillatum (L.) All.

Streptopus amplexifolius (L.) DC.

FAMILY Cyperaceae

(*Acorellus pannonicus* (Jacq.) Palla) = *Juncellus pannonicus*

Blysmus compressus (L.) Panz. ex Link

(*Bolboschoenus compactus* (Hoffm.) Drob.) = *Bolboschoenus maritimus* var. *compactus*

{*Bolboschoenus compactus* auct. non (Hoffm.) Drob., p.p.} = *Bolboschoenus koshevníkovii*

Bolboschoenus koshevníkovii (Litv.) A.E.Kozhevnikov

(*Bolboschoenus macrostachys* (Willd.) Grossh.) = *Bolboschoenus maritimus* var.
macrostachys

Bolboschoenus maritimus (L.) Palla

Bolboschoenus maritimus (L.) Palla var. ***compactus*** (Hoffm.) T.V.Egorova

Bolboschoenus maritimus (L.) Palla var. ***macrostachys*** (Willd.) T.V.Egorova

{*Bolboschoenus planiculmis* auct. non (F.Schmidt) T.V.Egorova} = *Bolboschoenus*
koshevníkovii & *Bolboschoenus maritimus* var. *compactus*

Carex acuta L.

Carex acutiformis Ehrh.

Carex alba Scop.

(*Carex ampullacea* Gooden.) = *Carex rostrata*

Carex appropinquata Schum.

(*Carex approximata* All.) = *Carex ericetorum*

(*Carex argyroglochin* Hornem.) = *Carex ovalis*

Carex aterrima Hoppe ~ *Carex atrata*

Carex atherodes Spreng.

Carex atrata L.

[*Carex atrata* L. subsp. *aterrima* (Hoppe) C.Hartm.] = *Carex aterrima*

?***Carex atrofusca*** Schkuhr

Note: Reported for the Carpathians (Fodor, 1974); not confirmed later.

Carex bicolor All.

Carex bigelowii Torr. ex Schwein.

Carex bohemica Schreb.

Conservation status: RDBU (2).

Carex brevicollis DC.
Carex brizoides L.
Carex brunnescens (Pers.) Poir.
 Note: Reported from the Carpathians by I. Danylyk & al. (in press).
Carex buekii Wimmer
Carex buxbaumii Wahlenb.
 Conservation status: RDBU (2).
 [Carex buxbaumii Wahlenb. subsp. hartmanii (Cajand.) Domin] = Carex hartmanii
 {Carex canescens auct. non L.} = Carex cinerea
Carex capillaris L.
Carex caryophyllea Latourr.
Carex cespitosa L.
 (Carex chlorostachys Steven) = Carex capillaris
Carex chordorrhiza Ehrh.
Carex cinerea Pollich
 (Carex colchica J.Gay) = Carex ligerica
 (Carex compacta Lam.) = Carex vulpina
 {Carex compacta sensu V.Krecz., non Lam.} = Carex otrubae
 (Carex contigua Hoppe) = Carex spicata
 (Carex curta Gooden.) = Carex cinerea
Carex curvula All.
Carex cuspidata Host
 (Carex cyperoides Murray) = Carex bohemica
Carex davalliana Smith
 Conservation status: RDBU (2).
Carex demissa Hornem.
 Note: Reported from the Carpathians by L. Hynda & I. Danylyk (1994, Ukr. Bot. Zhurn. 51(6): 134-137).
Carex depauperata Curtis ex With.
 {Carex depressa auct. non Link} = Carex transsilvanica
 [Carex depressa Link subsp. transsilvanica (Schur) K.Richt.] = Carex transsilvanica
Carex diandra Schrank
Carex digitata L.
Carex diluta M.Bieb.
Carex dioica L.
Carex distans L.
Carex disticha Huds.
Carex divisa Huds.
Carex divulsa Stokes
Carex echinata Murray
Carex elata All.

[*Carex elata* All. subsp. *omskiana* (Meinsh.) Jalas] = *Carex omskiana*

Carex elongata L.

Carex ericetorum Pollich

Carex extensa Gooden.

?*Carex ferruginea* Scop.

Note: Reported for the Carpathians (Fodor, 1974); probably misidentified.

?*Carex firma* Host

Note: Reported for the Carpathians (Fodor, 1974); needs confirmation.

Carex flacca Schreb.

Carex flava L.

(*Carex flava* L. subsp. *lepidocarpa* (Tausch) Godr.) = *Carex lepidocarpa*

(*Carex flavella* V.Krecz.) = *Carex flava*

Carex fuliginosa Schkuhr

(*Carex fusca* All.) = *Carex nigra*

(*Carex glauca* Scop.) = *Carex flacca*

Carex globularis L.

(*Carex goodenowii* J.Gay) = *Carex nigra*

(*Carex gracilis* Curtis) = *Carex acuta*

(*Carex graciliformis* V.Krecz. 1933, non Ohwi 1931) = *Carex acuta*

Carex guestphalica (Boenn. ex Rchb.) Boenn. ex O.Lang

Carex halleriana Asso

Note: In Ukraine occurs in Crimea only; records from the Carpathians need confirmation (I. Danylyk, personal communication).

Carex hartmanii Cajand.

Carex heleonastes Ehrh.

Carex hirta L.

Carex hordeistichos Vill.

Carex hostiana DC.

{*Carex hudsonii* auct. non A.Benn.} = *Carex elata* s.l.

Carex humilis Leys.

(*Carex hylaea* V.Krecz.) = *Carex cinerea*

(*Carex inflata* Huds.) = *Carex vesicaria*

{*Carex inflata* sensu V.Krecz., non Huds.} = *Carex rostrata*

Carex × *involuta* (Bab.) Syme = *Carex rostrata* × *Carex vesicaria*

(*Carex irrigua* (Wahlenb.) Smith ex Hoppe) = *Carex paupercula*

Carex juncella (Fr.) Th.Fr.

Carex lachenalii Schkuhr .

(*Carex lagopina* Wahlenb.) = *Carex lachenalii*

Carex lasiocarpa Ehrh.

(*Carex leersiana* Rauschert) = *Carex guestphalica*

Carex lepidocarpa Tausch.

(*Carex leporina* L., nom. utique rej. prop.) = *Carex lachenalii*

{*Carex leporina* auct. non L.} = *Carex ovalis*

Carex ligerica J.Gay

Carex limosa L.

Carex liparicarpos Gaudin

[*Carex liparicarpos* Gaudin subsp. *bordzilowskii* (V.Krecz.) T.V.Egorova] = *Carex schkuhrii*

Carex loliacea L.

Note: Reported for the Carpathians by I. Danylyk (PhD thesis and personal communication).

{*Carex longifolia* Host} = *Carex umbrosa*

{*Carex lumnitzeri* Rouy} = *Carex spicata*

{*Carex magellanica* auct. non Lam.} = *Carex paupercula*

Carex melanostachya M.Bieb. ex Willd.

Carex michelii Host

Carex montana L.

Carex muricata L.

{*Carex muricata* sensu V.Krecz., non L.} = *Carex echinata*

Carex nigra (L.) Reichard

{*Carex nitida* Host 1801, non Hoppe 1800} = *Carex liparicarpos*

{*Carex nutans* Host} = *Carex melanostachya*

Carex obtusata Liljeb.

{*Carex oederi* auct. non Retz.} = *Carex viridula*

Carex omskiana Meinsh.

Carex ornithopoda Willd.

{*Carex orthostachys* C.A.Mey.} = *Carex atherodes*

Carex otrubae Podp.

Carex ovalis Gooden.

{*Carex pairaei* auct. non F.Schultz} = *Carex muricata*

{*Carex pairaei* F.Schultz subsp. *lumnitzeri* (Rouy) Soó} = *Carex spicata*

Carex pallescens L.

{*Carex paludosa* Gooden.} = *Carex acutiformis*

Carex panicea L.

Carex paniculata L.

{*Carex paradoxa* Willd., non J.F.Gmel.} = *Carex appropinquata*

Carex pauciflora Lightf.

Conservation status: RDBU (2).

?***Carex paupercula*** Michx.

Note: Records of this species from Ukraine probably refer to *C. limosa* (misidentified).

{*Carex pedata* auct. non L.} = *Carex ornithopoda*

Carex pediformis C.A.Mey.

Carex pendula Huds.

Carex pilosa Scop.

Carex pilulifera L.

(*Carex polyphylla* Kar. & Kir.) = *Carex guestphalica*

(*Carex polyrrhiza* Wallr.) = *Carex umbrosa*

Carex praecox Schreb.

(*Carex praecox* Jacq. 1778, non Schreb. 1771) = *Carex caryophyllea*

Carex pseudocyperus L.

Carex remota L.

Carex rhizina Blytt ex Lindbl.

Carex riparia Curtis

Carex rostrata Stokes

Carex rupestris All.

Conservation status: RDBU (1).

(*Carex ruthenica* V.Krecz.) = *Carex caryophyllea*

Carex schkuhrii Willd. ~ *Carex liparicarpos*

(*Carex schreberi* Schrank) = *Carex praecox*

Carex secalina Willd. ex Wahlenb.

Carex sempervirens Vill.

(*Carex serotina* Mérat) = *Carex viridula*

Carex spicata Huds.

(*Carex stellulata* Gooden.) = *Carex echinata*

Carex stenophylla Wahlenb.

(*Carex stolonifera* Hoppe) = *Carex nigra*

(*Carex stricta* Gooden.) = *Carex elata*

Carex strigosa Huds.

(*Carex subvulpina* Senay) = *Carex otrubae*

(*Carex sudetica* Opiz) = *Carex aterrima*

Carex supina Willd. ex Wahlenb.

Carex sylvatica Huds.

Carex tomentosa L.

Carex transsilvanica Schur

{*Carex tripartita* All., nom. utique rej. prop.} = *Carex lachenalii*

Carex umbrosa Host

Conservation status: RDBU (2).

Carex vaginata Tausch

(*Carex verna* Schaix, non Lam.) = *Carex caryophyllea*

Carex vesicaria L.

Carex viridula Michx.

(*Carex vulgaris* Fr.) = *Carex nigra*

Carex vulpina L.

?**Carex vulpinoidea** Michx.

Note: Reported from Transcarpathia (Fodor, 1974) as an introduced species; need confirmation.

(*Carex wiluica* Meinsh.) = *Carex juncella*

(*Chlorocyperus esculentus* (L.) Hayek) = *Cyperus esculentus*

(*Chlorocyperus glomeratus* (L.) Palla) = *Cyperus glomeratus*

(*Chlorocyperus longus* (L.) Palla) = *Cyperus longus*

(*Cladium grossheimii* Pobed.) = *Cladium martii*

Cladium mariscus (L.) Pohl

Conservation status: RDBU (1), including *Cladium martii*.

[*Cladium mariscus* (L.) Pohl subsp. *martii* (Roem. & Schult.) T.V.Egorova] = *Cladium martii*

Cladium martii (Roem. & Schult.) K.Richt.

?**Cyperus badius** Desf.

Note: Doubtful records from Crimea, Nikita Botanical Garden (misidentified ?); now probably extinct.

Cyperus difformis L.

***Cyperus esculentus** L.

[*Cyperus flavescens* L.] = *Pycnus flavescens*

Cyperus fuscus L.

Cyperus glaber L.

Cyperus glomeratus L.

Cyperus longus L.

[*Cyperus longus* L. subsp. *badius* (Desf.) Murb.] = *Cyperus badius*

Cyperus michelianus (L.) Link

[*Cyperus pannonicus* Jacq.] = *Juncellus pannonicus*

[*Cyperus serotinus* Rottb.] = *Juncellus serotinus*

(*Dichostylis hamulosa* (M.Bieb.) Nees, nom. illeg.) = *Mariscus hamulosus*

(*Dichostylis micheliana* (L.) Nees, nom. illeg.) = *Cyperus michelianus*

(*Duvaljouvea serotina* (Rottb.) Palla) = *Juncellus serotinus*

Eleocharis acicularis (L.) Roem. & Schult.

(*Eleocharis argyrolepidoides* Zinserl.) = *Eleocharis mitracarpa*

Eleocharis austriaca Hayek

(*Eleocharis carinata* Sakalo) = *Eleocharis uniglumis*

Eleocharis carniolica W.D.J.Koch

(*Eleocharis crassa* Fisch. & C.A.Mey. ex Zinserl.) = *Eleocharis palustris*

(*Eleocharis czernjajevii* Zoz) = *Eleocharis quinqueflora*

(*Eleocharis eupalustris* Lindb.f.) = *Eleocharis palustris*

(*Eleocharis euuniglumis* Zinserl.) = *Eleocharis uniglumis*

(*Eleocharis intersita* Zinserl.) = *Eleocharis palustris*
Eleocharis klingei (Meinsh.) B.Fedtsch.
(*Eleocharis korshinskyana* Zinserl.) = *Eleocharis klingei*
(*Eleocharis leviniae* Zoz) = *Eleocharis palustris*
(*Eleocharis macrocarpa* Zoz) = *Eleocharis uniglumis*
{*Eleocharis mamillata* auct. non Lindb.f.} = *Eleocharis palustris*
[*Eleocharis mamillata* Lindb.f. subsp. *austriaca* (Hayek) Strandhede] = *Eleocharis austriaca*
Eleocharis mitracarpa Steud.
Eleocharis multicaulis (Smith) Desv.
Eleocharis ovata (Roth) Roem. & Schult.
Eleocharis oxylepis (Meinsh.) B.Fedtsch.
(*Eleocharis oxystachys* Sakalo) = *Eleocharis palustris*
Eleocharis palustris (L.) Roem. & Schult.
Eleocharis parvula (Roem. & Schult.) Bluff, Nees & Schauer
(*Eleocharis parvula* (Roem. & Schult.) Bluff, Nees & Schauer subsp. *oppermannii* Zoz) =
 Eleocharis parvula
(*Eleocharis pauciflora* (Lightf.) Link) = *Eleocharis quinqueflora*
Eleocharis quinqueflora (F.Hartmann) O.Schwarz
(*Eleocharis scythica* Zinserl.) = *Eleocharis klingei*
Eleocharis uniglumis (Link) Schult.
(*Eleocharis zinserlingii* Zoz) = *Eleocharis uniglumis*

Eriophorum angustifolium Honck.

Eriophorum gracile W.D.J.Koch

Eriophorum latifolium Hoppe

(*Eriophorum polystachyon* L., nom. ambig., nom. utique rej. prop.) = *Eriophorum angustifolium*

?**Eriophorum scheuchzeri** Hoppe

Note: According to I. Danylyk (personal communication), this species is probably absent in Ukraine; previous records are mainly misidentifications.

Eriophorum vaginatum L.

Fimbristylis bisumbellata (Forssk.) Bub.

{*Fimbristylis dichotoma* auct. non (L.) Vahl} = *Fimbristylis bisumbellata*

(*Heleocharis*) = *Eleocharis*

(*Holoschoenus romanus* (L.) Link) = *Scirpoides holoschoenus*

(*Holoschoenus vulgaris* Link) = *Scirpoides holoschoenus*

Juncellus pannonicus (Jacq.) Clarke

Juncellus serotinus (Rottb.) Clarke

Mariscus hamulosus (M.Bieb.) Hooper

Pycnus flavescens (L.) P.Beauv. ex Rchb.

Rhynchospora alba (L.) Vahl

?**Rhynchospora fusca** (L.) W.T.Aiton

Conservation status: RDBU (1).

Note: Ukrainian records need confirmation.

{*Schoenoplectus americanus* auct. non (Pers.) Volkart} = *Scirpus pungens*

[*Schoenoplectus grossheimii* (Pobed.) Czerep.] = *Scirpus hippolytii*

[*Schoenoplectus hippolytii* (V.Krecz.) V.Krecz.] = *Scirpus hippolytii*

[*Schoenoplectus lacustris* (L.) Palla] = *Scirpus lacustris*

[*Schoenoplectus lacustris* (L.) Palla subsp. *tabernaemontani* (C.C.Gmel.) A.Löve & D.Löve] =
Scirpus tabernaemontani

[*Schoenoplectus litoralis* (Schrad.) Palla] = *Scirpus litoralis*

[*Schoenoplectus melanospermus* (C.A.Mey.) Grossh.] = *Scirpus melanospermus*

[*Schoenoplectus mucronatus* (L.) Palla] = *Scirpus mucronatus*

[*Schoenoplectus pungens* (Pers.) Palla] = *Scirpus pungens*

[*Schoenoplectus setaceus* (L.) Palla] = *Scirpus setaceus*

[*Schoenoplectus supinus* (L.) Palla] = *Scirpus supinus*

[*Schoenoplectus tabernaemontani* (C.C.Gmel.) Palla] = *Scirpus tabernaemontani*

[*Schoenoplectus triqueter* (L.) Palla] = *Scirpus triqueter*

(*Schoenus albus* L.) = *Rhynchospora alba*

Schoenus ferrugineus L.

Conservation status: RDBU (2).

Schoenus nigricans L.

Scirpoides holoschoenus (L.) Soják

Scirpoides holoschoenus (L.) Soják subsp. **australis** (L.) Soják

(*Scirpoides romana* (L.) Séguier) = *Scirpoides holoschoenus*

{*Scirpus americanus* auct. non Pers.} = *Scirpus pungens*

(*Scirpus australis* L.) = *Scirpoides holoschoenus* subsp. *australis*

(*Scirpus compactus* Hoffm.) = *Bolboschoenus maritimus* var. *compactus*

(*Scirpus grossheimii* Pobed.) = *Scirpus hippolytii*

Scirpus hippolytii V.Krecz.

[*Scirpus holoschoenus* L.] = *Scirpoides holoschoenus*

[*Scirpus koshevníkovii* Litv.] = *Bolboschoenus koshevníkovii*

Scirpus lacustris L.

[*Scirpus lacustris* L. subsp. *tabernaemontani* (C.C.Gmel.) Syme] = *Scirpus tabernaemontani*

Scirpus litoralis Schrad.

(*Scirpus macrostachys* Willd.) = *Bolboschoenus maritimus* var. *macrostachys*

[*Scirpus maritimus* L.] = *Bolboschoenus maritimus*

Scirpus melanospermus C.A.Mey.

(*Scirpus michelianus* L.) = *Cyperus michelianus*

Scirpus mucronatus L.

Scirpus pungens Vahl

Note: Reported from Transcarpathia (Fodor, 1974), as *Scirpus americanus*; needs confirmation.

Scirpus radicans Schkuhr.

(*Scirpus romanus* L.) = *Scirpoides holoschoenus*

Scirpus setaceus L.

Scirpus supinus L.

Scirpus sylvaticus L.

Scirpus tabernaemontani C.C.Gmel.

Scirpus triqueter L.

(*Torulinium caucasicum* Palla) = *Torulinium odoratum* s.l.

(*Torulinium ferax* (Rich.) Desv. ex Hamilton) = *Torulinium odoratum*

(*Torulinium ferax* (Rich.) Desv. ex Hamilton subsp. *caucasicum* (Palla) Hadač) = *Torulinium odoratum* s.l.

Torulinium odoratum (L.) Hooper s.l.

Note: Alien plants reported from Ukraine (see D. Dubyna & V. Protopopova, 1984, Ukr. Bot. Zhurn. 41(5): 21-25) probably belong to *T. caucasicum* s.str.; however, its taxonomic status remains uncertain.

FAMILY Dioscoreaceae (= Tamaceae)

Tamus communis L.

FAMILY Hemerocallidaceae

(*Hemerocallis flava* (L.) L.) = *Hemerocallis lilioasphodelus*

****Hemerocallis fulva*** (L.) L.

****Hemerocallis lilioasphodelus*** L.

****Hemerocallis minor*** Mill.

FAMILY Hostaceae

(*Funkia*) = *Hosta*

- *Hosta albomarginata** (Hook.) Ohwi
(*Hosta japonica* (Thunb.) Asch. 1863, non Tratt. 1812) = *Hosta albomarginata*
(*Hosta japonica* Tratt.) = *Hosta plantaginea*
(*Hosta lancifolia* (Thunb.) Engl., nom. illeg.) = *Hosta albomarginata*
- *Hosta plantaginea** (Lam.) Asch.
- *Hosta sieboldiana** Engl.
- *Hosta ventricosa** Stearn

FAMILY Hyacinthaceae

- Bellevalia lipskyi** (Miscz.) E. Wulff
Conservation status: IUCN RL (R); ERL (E).
- Bellevalia sarmatica** (Pall. ex Georgi) Woronow

- Hyacinthella leucophaea** (K. Koch) Schur
- Hyacinthella pallasiana** (Steven) Losinsk.
Conservation status: IUCN RL (I).

- *Hyacinthus orientalis** L.

- Leopoldia comosa** (L.) Parl.
- Leopoldia tenuiflora** (Tausch) Heldr.
(*Leopoldia tubiflora* (Steven) Juz.) = *Leopoldia comosa*

- Muscari botryoides** (L.) Mill.
[*Muscari botryoides* (L.) Mill. subsp. *transsilvanicum* (Schur) Soó] = *Muscari transsilvanicum*
(*Muscari carpaticum* Racib.) = *Muscari botryoides*
[*Muscari comosum* (L.) Mill.] = *Leopoldia comosa*
(*Muscari dolioliforme* Sobko) = *Muscari neglectum*
- Muscari neglectum** Guss. ex Ten.
(*Muscari pocuticum* Zapal.) = *Muscari botryoides*
(*Muscari racemosum* (L.) Lam. ex DC. 1805, nom. ambig.; non Mill. 1768) = *Muscari neglectum*
[*Muscari tenuiflorum* Tausch] = *Leopoldia tenuiflora*
- Muscari transsilvanicum** Schur ≈ *Muscari botryoides*

- Ornithogalum amphibolum** Zahar.
Conservation status: RDBU (3); ERL (I).

- ?Ornithogalum arquatatum** Steven
Note: Records of this species from Crimea need confirmation.

Ornithogalum boucheanum (Kunth) Asch.

Conservation status: RDBU (3).

Ornithogalum divergens Boreau ~ *Ornithogalum umbellatum*

Note: Reported for Transcarpathia (G. Mezev-Kricsfalusy & V. Kricsfalusy, 1994, *Naukov. Visnyk Uzhgorod. Univ., Ser. Biol.* 1: 28-32). Probably conspecific with *O. umbellatum*.

Ornithogalum fimbriatum Willd.

Ornithogalum fischerianum Krasch.

Ornithogalum flavescens Lam.

{*Ornithogalum gussonei* auct. non Ten.} = *Ornithogalum kochii*

[*Ornithogalum gussonei* Ten. subsp. *kochii* (Parl.) Holub] = *Ornithogalum kochii*

Ornithogalum kochii Parl.

Ornithogalum melancholicum Klokov ex A.Krasnova ~ *Ornithogalum flavescens*

Conservation status: *ERL (R).

Ornithogalum oreoides Zahar.

Conservation status: RDBU (2); IUCN RL (R).

(*Ornithogalum orthophyllum* Ten. subsp. *kochii* (Parl.) Zahar.) = *Ornithogalum kochii*

Ornithogalum ponticum Zahar.

{*Ornithogalum pyrenaicum* auct. non L.} = *Ornithogalum ponticum*

Ornithogalum refractum Schlecht.

Conservation status: RDBU (2).

(*Ornithogalum tenuifolium* Guss.) = *Ornithogalum kochii*

Ornithogalum umbellatum L.

[*Ornithogalum umbellatum* L. subsp. *divergens* (Boreau) A.Löve & D.Löve] =

Ornithogalum divergens

Ornithogalum woronowii Krasch.

(*Orthocallis siberica* (Haw.) Speta) = *Scilla siberica*

Scilla autumnalis L.

Scilla bifolia L.

Note: Several microspecies were recognized within the *S. bifolia* group (*S. kladnii* Schur, *S. laxa* Schur, etc.). Their taxonomy is still insufficiently known (see V. Krichfalusy & al. 1993, *Ukr. Botan. Zhurn.* 50(4): 47-55).

(*Scilla cernua* Delar.) = *Scilla siberica*

Scilla kladnii Schur ~ *Scilla bifolia* s.l.

{*Scilla nivalis* auct. non Boiss.} = *Scilla bifolia*

(*Scilla scythica* Kleopow) = *Scilla autumnalis*

Scilla siberica Haw.

(*Scilla sibirica* Haw., ortho) = *Scilla siberica*

(*Scilla taurica* (Regel) Fuss) = *Scilla bifolia*

FAMILY Hydrocharitaceae

(*Anacharis canadensis* (Michx.) Planch.) = *Elodea canadensis*

[*Egeria densa* Planch.] = *Elodea densa*

Elodea canadensis Michx.

?**Elodea densa** (Planch.) Caspari

Note: *Elodea densa* can be expected in Ukraine. No reliable records are available yet.

Hydrocharis morsus-ranae L.

Stratiotes aloides L.

Vallisneria spiralis L.

FAMILY Iridaceae

(*Crocus albiflorus* Kit.) = *Crocus vernus*

Crocus angustifolius Weston

Conservation status: RDBU (2); IUCN RL (1).

(*Crocus aureus* Sibth. & Smith) = *Crocus flavus*

(*Crocus autumnalis* Pall. ex M.Bieb. 1808, non Poir. 1804) = *Crocus pallasii*

Crocus banaticus J.Gay

Conservation status: RDBU (2).

{*Crocus biflorus* auct. non Mill.} = *Crocus tauricus*

***Crocus chrysanthus** (Herb.) Herb.

*!**Crocus flavus** Weston

Note: The record from Simferopol, Crimea is probably based on cultivated and escaped plants.

Crocus heuffelianus Herb.

Conservation status: RDBU (2).

(*Crocus iridiflorus* Heuff.) = *Crocus banaticus*

Crocus pallasii Goldb.

Conservation status: RDBU (3).

Crocus reticulatus Steven ex Adams

Conservation status: RDBU (3).

***Crocus sativus** L.

Crocus speciosus M.Bieb.

Conservation status: RDBU (2).

(*Crocus susianus* Ker Gawl.) = *Crocus angustifolius*

Crocus tauricus (Trautv.) Puring

Conservation status: RDBU (3).

(*Crocus variegatus* Hoppe & Hornsch.) = *Crocus reticulatus*

Crocus vernus (L.) Hill

Conservation status: RDBU (2). Widely cultivated; in Transcarpathia occurs as a native species.

(*Gladiolus apterus* Klokov) = *Gladiolus tenuis*

***Gladiolus communis** L.

***Gladiolus hybridus** hort.

Note: Cultivated forms are usually complex hybrids of *G. communis* L., *G. cardinalis* Curtis, *G. tristis* L., etc.

Gladiolus imbricatus L.

Gladiolus italicus Mill.

Conservation status: RDBU (2).

Gladiolus palustris Gaudin

Conservation status: RDBU (1); IUCN RL (I).

(*Gladiolus segetum* Ker Gawl.) = *Gladiolus italicus*

Gladiolus tenuis M.Bieb.

Conservation status: RDBU (2).

(*Iris aequiloba* Ledeb.) = *Iris pumila*

Iris aphylla L.

[*Iris aphylla* L. subsp. *hungarica* (Waldst. & Kit.) Hegi] = *Iris hungarica*

[*Iris arenaria* Waldst. & Kit. subsp. *orientalis* (Ugr.) Lavrenko] = *Iris pineticola*

Iris brandzae Prodán

***Iris florentina** L.

Iris germanica L.

Note: Widely cultivated; in Transcarpathia (near Vinogradov) reported as a native species.

Iris graminea L.

[*Iris graminea* L. subsp. *pseudocyperus* (Schur) Soó] = *Iris pseudocyperus*

Iris halophila Pall.

(*Iris humilis* M.Bieb. 1808; non Georgi 1775) = *Iris pontica*

Iris hungarica Waldst. & Kit.

(*Iris marschalliana* Bobrov) = *Iris pontica*

*!**Iris musulmanica** Fomin

Note: Reported as escaped in Crimea.

***Iris pallida** Lam.

Iris pineticola Klokov

Conservation status: RDBU (2).

(*Iris polonica* (Asch. & Graebn.) Fomin & Bordz.) = *Iris aphylla*

Iris pontica Zapal.

Conservation status: RDBU (2).

Iris pseudacorus L.

Iris pseudocyperus Schur

Conservation status: RDBU (2).

Iris pumila L.

Iris sibirica L.

[*Iris sintenisii* Janka subsp. *brandzae* (Prodán) Prodán] = *Iris brandzae*

(*Iris taurica* Lodd.) = *Iris pumila*

Iris variegata L.

{*Sisyrinchium angustifolium* auct. non Mill.} = *Sisyrinchium septentrionale*

{*Sisyrinchium bermudiana* auct. non L.} = *Sisyrinchium septentrionale*

{*Sisyrinchium montanum* auct. non Greene} = *Sisyrinchium septentrionale*

Sisyrinchium septentrionale Bicknell ~ *Sisyrinchium bermudiana* aggr.

FAMILY Juncaceae

Juncus acutiflorus Ehrh. ex Hoffm.

(*Juncus acutiflorus* Griseb., non Ehrh. ex Hoffm.) = *Juncus atratus*

Juncus alpinoarticulatus Chaix ex Vill.

Note: Nomenclature of this species is much confused; several other names were widely (mis-) applied to the taxon in the past.

(*Juncus alpinus* Vill., nom. illeg.) = *Juncus alpinoarticulatus*

Juncus ambiguus Guss. ~ *Juncus bufonius* aggr.

Juncus articulatus L.

Juncus atratus Krock.

Juncus bufonius L.

[*Juncus bufonius* L. subsp. *nastanthus* (V.Krecz. & Gontsch.) Soó] = *Juncus nastanthus*

Juncus bulbosus L.

Conservation status: RDBU (3).

Juncus capitatus Weigel

Juncus castaneus Smith

Juncus compressus Jacq.

Juncus conglomeratus L.

Juncus effusus L.

(*Juncus ericetorum* Pollich) = *Juncus capitatus*

Juncus filiformis L.

Juncus fominii Zoz ~ *Juncus soranthus*

Conservation status: ERL (1).

(*Juncus fuscoater* Schreb.) = *Juncus alpinoarticulatus*

(*Juncus geniculatus* Schrank) = *Juncus articulatus*

{*Juncus geniculatus* auct. non Schrank} = *Juncus alpinoarticulatus*

Juncus gerardii Loisel.

[*Juncus gerardii* Loisel. subsp. *soranthus* (Schrenk) K.Richt.] = *Juncus soranthus*
(*Juncus glaucus* Ehrh.) = *Juncus inflexus*
(*Juncus gracilis* Roth) = *Juncus capitatus*

Juncus inflexus L.

(*Juncus juzepeczukii* V.Krecz. & Gontsch.) = *Juncus ambiguus*
(*Juncus lamprocarpus* Ehrh. ex Hoffm.) = *Juncus articulatus*
(*Juncus leersii* Marss.) = *Juncus conglomeratus*
[*Juncus littoralis* C.A.Mey. subsp. *tyraicus* (Pacz.) V.Novikov] = *Juncus tyraicus*
(*Juncus macer* S.F.Gray) = *Juncus tenuis*
(*Juncus macrocephalus* Viv.) = *Juncus articulatus*

Juncus maritimus Lam.

Juncus nastanthus V.Krecz. & Gontsch. ~ *Juncus bufonius* aggr.

(*Juncus obtusatus* Kit.) = *Juncus subnodulosus*
(*Juncus obtusiflorus* Ehrh. ex Hoffm.) = *Juncus subnodulosus*
(*Juncus obtusiflorus* Moench, nom. illeg.) = *Juncus articulatus*
(*Juncus paniculatus* Hoppe ex Mert. & W.D.J.Koch) = *Juncus inflexus*
(*Juncus ranarius* Songeon & Perrier ex Billot) = *Juncus ambiguus*
(*Juncus serotinus* Schur) = *Juncus atratus*

Juncus soranthus Schrenk

Juncus sphaerocarpus Nees

Juncus squarrosus L.

(*Juncus subcompressus* Zakirov & Novopokr.) = *Juncus compressus*

Juncus subnodulosus Schrank

Conservation status: RDBU (2).

(*Juncus supinus* Moench) = *Juncus bulbosus*

Juncus tenageia Ehrh. ex L.f.

Juncus tenuis Willd.

Juncus thomasi Ten.

Juncus trifidus L.

Juncus triglumis L.

Juncus tyraicus (Pacz.) V.Krecz. & Gontsch. ~ *Juncus littoralis*

(*Juncus uliginosus* Roth) = *Juncus bulbosus*

Luzula alpinopilosa (Chaix) Breistr.

Luzula campestris (L.) DC.

(*Luzula campestris* (L.) DC. subsp. *taurica* V.Krecz.) = *Luzula taurica*

Luzula divulgata Kirschner ~ *Luzula multiflora*

(*Luzula flavescens* (Host) Gaudin) = *Luzula luzulina*

Luzula forsteri (Smith) DC.

Luzula luzulina (Vill.) Dalla Torre & Sarnth.

Luzula luzuloides (Lam.) Dandy & Wilmott

Luzula multiflora (Ehrh.) Lej.

[*Luzula multiflora* (Ehrh.) Lej. subsp. *taurica* (V.Krecz.) V.Novikov] = *Luzula taurica*
(*Luzula nemorosa* (Pollich) E.Mey. 1848, non Hornem. 1815) = *Luzula luzuloides*

(*Luzula pallescens* Sw. s.str.) = *Luzula multiflora*

{*Luzula pallescens* auct. non Sw.} = *Luzula pallidula*

Luzula pallidula Kirschner

Luzula pilosa (L.) Willd.

(*Luzula spadicea* (All.) DC.) = *Luzula alpinoilosa*

Luzula spicata (L.) DC.

Note: The Carpathian plants belong mostly to subsp. *mutabilis* (see below).

Luzula spicata (L.) DC. subsp. ***mutabilis*** Chrtek & Křisa

(*Luzula subpilosa* (Gilib.) V.Krecz., nom. illeg.) = *Luzula campestris*

Luzula sudetica (Willd.) Schult. ~ *Luzula multiflora*

Luzula sylvatica (Huds.) Gaudin

Luzula taurica (V.Krecz.) V.Novikov ~ *Luzula multiflora*

FAMILY Juncaginaceae

Triglochin maritimum L.

Triglochin palustre L.

(*Triglochin salinum* Wallr.) = *Triglochin maritimum*

FAMILY Lemnaceae

(*Lemna arrhiza* L.) = *Wolffia arrhiza*

Lemna gibba L.

(*Lemna minima* Phil. ex Hegelm. 1895, non Thuill. ex Beauv. 1816) = *Lemna minuta*

Lemna minor L.

(*Lemna minuscula* Herter) = *Lemna minuta*

Lemna minuta Kunth

Note: Reported from SE Ukraine (D. Dubyna & V. Protopopova, 1983, Ukr. Bot.

Zhurn. 40(5): 28-31), as *L. minuscula*.

(*Lemna polyrrhiza* L.) = *Spirodela polyrrhiza*

Lemna trisulca L.

Spirodela polyrrhiza (L.) Schleid.

(*Telmatophace gibba* (L.) Schleid.) = *Lemna gibba*

Wolffia arrhiza (L.) Horkel ex Wimmer

FAMILY Liliaceae

Note: See also families Asparagaceae (genus Asparagus), Asphodelaceae (Anthericum, Asphodeline, Eremurus), Convallariaceae (Convallaria, Maianthemum, Polygonatum, Streptopus), Hemerocallidaceae (Hemerocallis), Hostaceae (Hosta), Hyacinthaceae (Bellevalia, Hyacinthella, Hyacinthus, Leopoldia, Muscari, Ornithogalum, Scilla), Melanthiaceae (Bulbocodium, Colchicum, Tofieldia, Veratrum), Ruscaceae (Ruscus), Trilliaceae (Paris).

Erythronium dens-canis L.

Conservation status: RDBU (1).

**Fritillaria imperialis* L.

Fritillaria meleagris L.

Conservation status: RDBU (3).

Fritillaria meleagroides Patrin ex Schult. & Schult.f.

Conservation status: RDBU (3).

Fritillaria montana Hoppe

Conservation status: RDBU (1).

Fritillaria ruthenica Wikstr.

Conservation status: RDBU (2).

{*Fritillaria verticillata* auct. non Willd.} = *Fritillaria ruthenica*

Gagea aipetriensis Levichev

Note: See I. Levichev (1988, Bot. Zhurn. 83(2): 110-112).

Gagea artemczukii A.Krasnova

(*Gagea arvensis* (Pers.) Dumort.) = *Gagea villosa*

Gagea bohémica (Zauschn.) Schult. & Schult.f.

Gagea bulbifera (Pall.) Salisb.

Gagea callieri Pascher

Conservation status: ERL (1).

Gagea chrysantha (Jan) Schult. & Schult.f.

Gagea dubia Terr.

Gagea erubescens (Besser) Schult. & Schult.f.

Gagea fistulosa Ker Gawl.

Gagea germanae Grossh.

Gagea granatellii (Parl.) Parl.

?*Gagea granulosa* Turcz.

Note: Reported from Mykolayiv and Dnepropetrovsk regions (see V. Sobko, 1974, Ukr. Bot. Zhurn. 31(1): 113-117); needs confirmation.

(*Gagea heldreichii* (Terr.) Lojac.) = *Gagea chrysantha*

Gagea hypanica Sobko
 (Gagea littoralis Artemcz.) = Gagea dubia
Gagea lutea (L.) Ker Gawl.
Gagea maeotica Artemcz.
Gagea minima (L.) Ker Gawl.
Gagea novoascanica Klokov
Gagea paczoskii (Zapal.) Grossh. ~ Gagea transversalis
Gagea pineticola Klokov
 Conservation status: ERL (R).
Gagea podolica Schult. & Schult.f.
Gagea praeciosa Klokov
 Conservation status: ERL (I).
Gagea pratensis (Pers.) Dumort.
 (Gagea pratensis (Pers.) Dumort. var. paczoskii Zapal.) = Gagea paczoskii
Gagea pusilla (F.W.Schmidt) Schult. & Schult.f.
 [Gagea pusilla (F.W.Schmidt) Schult. & Schult.f. subsp. tesquicola (A.Krasnova) Davlianidze] = Gagea tesquicola
 {Gagea reticulata auct. non (Pall.) Schult. & Schult.f.} = Gagea taurica & Gagea ucrainica
 (Gagea scythica Artemcz.) = Gagea podolica
Gagea spathacea (Hayne) Salisb.
 (Gagea szovitsii (Lang) Besser ex Schult. & Schult. f.) = Gagea bohemica
Gagea taurica Steven
 (Gagea taurica Steven var. ucrainica (Klokov) Zahar.) = Gagea ucrainica
Gagea tesquicola A.Krasnova ~ Gagea pusilla
Gagea transversalis Steven
Gagea ucrainica Klokov
Gagea villosa (M.Bieb.) Duby

Lilium bulbiferum L.

Note: Widely cultivated; a rare native (or escaped ?) plant in Transcarpathia.

***Lilium candidum** L.

***Lilium lancifolium** Thunb.

***Lilium maculatum** Thunb.

Lilium martagon L.

Conservation status: RDBU (2).

***Lilium monadelphum** M.Bieb.

(Lilium tigrinum Ker Gawl.) = Lilium lancifolium

Lloydia serotina (L.) Rchb.

Tulipa biebersteiniana Schult. & Schult. f. s.l.

Tulipa biflora Pall.

Conservation status: RDBU (2).

(*Tulipa callieri* Halacsy & Levier) = *Tulipa biflora*

**Tulipa gesneriana* L.

Note: According to E. Mordak (1990, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 27: 27--32), it is the priority name for the wild Crimean plant known as *T. schrenkii*.

Tulipa graniticola (Klokov & Zoz) Klokov ~ *Tulipa biebersteiniana* s.l.

Conservation status: RDBU (3).

Tulipa hypanica Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.

Conservation status: RDBU (3).

(*Tulipa koktebelica* Junge) = *Tulipa biflora*

Tulipa ophiophylla Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.

Conservation status: RDBU (3).

Tulipa quercetorum Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.

Conservation status: RDBU (3).

Tulipa schrenkii Regel ~ *Tulipa gesneriana*

Conservation status: RDBU (2).

Tulipa scythica Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.

Conservation status: RDBU (1).

{*Tulipa sylvestris* auct. non L.} = *Tulipa biebersteiniana* s.l.

FAMILY Melanthiaceae

(*Bulbocodium ruthenicum* Bunge) = *Bulbocodium versicolor*

(*Bulbocodium serotinum* L.) = *Lloydia serotina*

Note: See Liliaceae.

[*Bulbocodium vernum* L. subsp. *versicolor* (Ker Gawl.) K.Richt.] = *Bulbocodium versicolor*

Bulbocodium versicolor (Ker Gawl.) Spreng.

Conservation status: RDBU (1).

Colchicum ancyrense B.L.Burt ~ *Colchicum triphyllum* s.l.

Conservation status: RDBU (3).

{*Colchicum arenarium* auct. non Waldst. & Kit.} = *Colchicum fominii*

Colchicum autumnale L.

Conservation status: RDBU (2).

(*Colchicum biebersteinii* Rouy, nom. illeg.) = *Colchicum ancyrense*

(*Colchicum bulbocodioides* M.Bieb. 1808, non Brot. 1804) = *Colchicum ancyrense*

Colchicum fominii Bordz. ~ *Colchicum arenarium* s.l.

Conservation status: RDBU (1); IUCN RL (1); ERL (V).

{*Colchicum triphyllum* auct. non G.Kuntze} = *Colchicum ancyrense*

Colchicum umbrosum Steven

Conservation status: RDBU (2).

Tofieldia calyculata (L.) Wahlenb.

Conservation status: RDBU (2).

Veratrum album L.

[*Veratrum album* L. subsp. *lobelianum* (Bernh.) Schuebl. & Martens] = *Veratrum lobelianum*

(*Veratrum album* L. subsp. *virescens* (Gaudin) Jáv. & Soó) = *Veratrum lobelianum*

Veratrum lobelianum Bernh. ~ *Veratrum album*

Veratrum nigrum L.

FAMILY Najadaceae

(*Caulinia fragilis* Willd.) = *Caulinia minor*

Caulinia minor (All.) Coss. & Germ.

(*Najas intermedia* Wolfg. ex Gorski) = *Najas marina* subsp. *intermedia*

(*Najas major* All.) = *Najas marina*

Najas marina L.

{*Najas marina* L. 1755, non L. 1753} = *Najas marina* subsp. *intermedia*

Najas marina L. subsp. *intermedia* (Wolfg. ex Gorski) Casper

(*Najas marina* L. subsp. *major* (All.) Viimikka) = *Najas marina*

[*Najas minor* All.] = *Caulinia minor*

FAMILY Orchidaceae

?**Aceras anthropophorum** (L.) R.Br.

Note: We were unable to substantiate the record of this species from Zhytomyr, NW Ukraine (see L. Smolyaninova, 1976, Fl. Partis Europ. URSS 2: 36).

Anacamptis pyramidalis (L.) Rich.

Conservation status: RDBU (2).

(*Cephalanthera grandiflora* S.F.Gray) = *Cephalanthera damasonium*

Cephalanthera damasonium (Mill.) Druce

Conservation status: RDBU (2).

(*Cephalanthera ensifolia* (Sw.) Rich.) = *Cephalanthera longifolia*

(*Cephalanthera lonchophyllum* (L.f.) Rchb.f.) = *Cephalanthera damasonium*

Cephalanthera longifolia (L.) Fritsch

Conservation status: RDBU (2).

Cephalanthera rubra (L.) Rich.

Conservation status: RDBU (2).

Coeloglossum viride (L.) C.Hartm.

Conservation status: RDBU (3).

Comperia comperana (Steven) Asch. & Graebn.

Conservation status: RDBU (1).

(*Comperia taurica* K.Koch) = *Comperia comperana*

Corallorhiza trifida Châtel.

Conservation status: RDBU (2).

Cypripedium calceolus L.

Conservation status: RDBU (2).

?**Cypripedium macranthon** Sw.

Note: Records from Ukraine need confirmation.

[*Cypripedium macranthon* Sw. subsp. *ventricosum* (Sw.) Soó] = *Cypripedium ventricosum*

?**Cypripedium ventricosum** Sw.

Note: No specimens nor reliable records from Ukraine available. Erroneously reported for Ukraine (see L. Smolyaninova, 1976, Fl. Partis Europ. URSS 2: 15).

(*Dactylorhiza*) = *Dactylorhiza*

Dactylorhiza alpestris (Pugsley) Aver. ~ *Dactylorhiza majalis*

Note: See recent treatments of *Dactylorhiza* (L. Averyanov, 1988-1991, Novitates Systematicae Plantarum Vascularium (Leningrad) 25: 48-67; 26: 47-56; 27: 32-62; 28: 33-42).

Dactylorhiza × **aschersoniana** (Hausskn.) Borsos & Soó = *Dactylorhiza incarnata* ×

Dactylorhiza majalis

Note: Hybrids of *Dactylorhiza* are insufficiently known in Ukraine; many records are based on misidentifications.

Dactylorhiza cordigera (Fr.) Soó

Conservation status: RDBU (3).

Dactylorhiza cruenta (O.F.Müll.) Soó ~ *Dactylorhiza incarnata* aggr.

Dactylorhiza elodes (Griseb.) Aver. ~ *Dactylorhiza maculata*

Dactylorhiza fuchsii (Druce) Soó

Conservation status: RDBU (3).

[*Dactylorhiza fuchsii* (Druce) Soó subsp. *hebridensis* (Wilmott) Soó] = *Dactylorhiza hebridensis*

Dactylorhiza hebridensis (Wilmott) Aver. ~ *Dactylorhiza fuchsii*

Dactylorhiza iberica (M.Bieb. ex Willd.) Soó

Conservation status: RDBU (3).

Dactylorhiza incarnata (L.) Soó

Conservation status: RDBU (3).

[*Dactylorhiza incarnata* (L.) Soó subsp. *cruenta* (O.F.Müll.) P.D.Sell] = *Dactylorhiza cruenta*

[*Dactylorhiza incarnata* (L.) Soó subsp. *ochroleuca* (Boll.) P.F.Hunt & Summerhayes] = *Dactylorhiza ochroleuca*

Dactylorhiza × kerneriorum (Soó) Soó = *Dactylorhiza fuchsii* × *Dactylorhiza incarnata*
{*Dactylorhiza longibracteata* auct. non (F.W.Schmidt) Holub} = *Dactylorhiza fuchsii*

Dactylorhiza maculata (L.) Soó

Conservation status: RDBU (3).

[*Dactylorhiza maculata* (L.) Soó subsp. *elodes* (Griseb.) Soó] = *Dactylorhiza elodes*

[*Dactylorhiza maculata* (L.) Soó subsp. *elodes* (Griseb.) Soó var. *schurii* (Klinge) Soó] = *Dactylorhiza schurii*

(*Dactylorhiza maculata* (L.) Soó subsp. *fuchsii* (Druce) Hyl.) = *Dactylorhiza fuchsii*

[*Dactylorhiza maculata* (L.) Soó subsp. *schurii* (Klinge) Soó] = *Dactylorhiza schurii*

[*Dactylorhiza maculata* (L.) Soó subsp. *transsilvanica* (Schur) Soó] = *Dactylorhiza transsilvanica*

Dactylorhiza majalis (Rchb.) P.F.Hunt & Summerhayes

Conservation status: RDBU (3).

[*Dactylorhiza majalis* (Rchb.) P.F.Hunt & Summerhayes subsp. *cordigera* (Fr.)
H.Sundermann] = *Dactylorhiza cordigera*

?**Dactylorhiza ochroleuca** (Boll) Holub ~ *Dactylorhiza incarnata* aggr.

Note: Reported from the western part of Ukraine (Averyanov, l.c.); needs confirmation.

Dactylorhiza romana (Seb.) Soó

Conservation status: RDBU (2).

Dactylorhiza sambucina (L.) Soó

Conservation status: RDBU (2).

Dactylorhiza schurii (Klinge) Aver. ~ *Dactylorhiza maculata*

[*Dactylorhiza sulphurea* (Link) Franco subsp. *pseudosambucina* (Ten.) Franco] = *Dactylorhiza romana*

Dactylorhiza × transiens (Druce) Soó = *Dactylorhiza fuchsii* × *Dactylorhiza maculata*

Dactylorhiza transsilvanica (Schur) Aver. ~ *Dactylorhiza maculata*

Dactylorhiza traunsteineri (Saut. ex Rchb.) Soó

Conservation status: RDBU (2).

(*Epipactis atropurpurea* Raf.) = *Epipactis atropurpurea*

Epipactis atropurpurea (Hoffm. ex Bernh.) Besser

Conservation status: RDBU (3).

Epipactis helleborine (L.) Crantz

Conservation status: RDBU (2).

(*Epipactis latifolia* (L.) All.) = *Epipactis helleborine*

(*Epipactis longifolia* All.) = *Epipactis palustris*

Epipactis microphylla (Ehrh.) Sw.

Conservation status: RDBU (3).

Epipactis palustris (L.) Crantz

Conservation status: RDBU (3).

Epipactis purpurata Smith

Conservation status: RDBU (3).

(*Epipactis repens* (L.) Crantz) = *Goodyera repens*

(*Epipactis rubiginosa* (Crantz) Gaudin ex W.D.J.Koch) = *Epipactis atrorubens*

Epipactis × **schmalhauseni** Richt. = *Epipactis atrorubens* × *Epipactis helleborine*

(*Epipactis spiralis* (L.) Crantz) = *Spiranthes spiralis*

(*Epipactis violacea* (Dur.-Duq.) Boreau) = *Epipactis purpurata*

Epipogium aphyllum Sw.

Conservation status: RDBU (1).

(*Epipogon aphyllus* Čelak.) = *Epipogium aphyllum*

Goodyera repens (L.) R.Br.

Conservation status: RDBU (2).

[*Gymnadenia alpina* (Turcz. ex Rehb.f.) Czerep.] = *Gymnadenia conopsea* subsp. *alpina*

Gymnadenia conopsea (L.) R.Br.

Conservation status: RDBU (3).

Gymnadenia conopsea (L.) R.Br. subsp. **alpina** (Turcz. ex Rehb.f.) Janchen ex Soó

Gymnadenia conopsea (L.) R.Br. subsp. **densiflora** (Wahlenb.) K.Richt.

[*Gymnadenia densiflora* (Wahlenb.) A.Dietr.] = *Gymnadenia conopsea* subsp. *densiflora*

Gymnadenia × **intermedia** Peterm. = *Gymnadenia conopsea* × *Gymnadenia odoratissima*

Gymnadenia odoratissima (L.) Rich.

Conservation status: RDBU (2).

Hammarbya paludosa (L.) O.Kuntze

Conservation status: RDBU (2).

Herminium monorchis (L.) R.Br.

Conservation status: RDBU (2).

[*Himantoglossum hircinum* (L.) W.D.J.Koch subsp. *caprinum* (M.Bieb.) K.Richt.] =

Himantoglossum caprinum

Himantoglossum caprinum (M.Bieb.) K.Koch

Conservation status: RDBU (1); ERL (R).

(*Himantoglossum caprinum* (M.Bieb.) Spreng., comb. illeg.) = *Himantoglossum caprinum*

(*Leucorchis albida* (L.) E.Mey., nom. illeg.) = *Pseudorchis albida*

Limodorum abortivum (L.) Sw.

Conservation status: RDBU (1).

Liparis loeselii (L.) Rich.

Conservation status: RDBU (2).

Listera cordata (L.) R.Br.

Conservation status: RDBU (2).

Listera ovata (L.) R.Br.

Conservation status: RDBU (3).

Malaxis monophyllos (L.) Sw.

Conservation status: RDBU (2).

(*Malaxis paludosa* (L.) Sw.) = *Hammarbya paludosa*

(*Microstylis monophyllos* (L.) Lindl.) = *Malaxis monophyllos*

Neottia nidus-avis (L.) Rich.

Conservation status: RDBU (3).

Neottianthe cucullata (L.) Schlechter

Conservation status: RDBU (2).

Nigritella nigra (L.) Rchb.f.

Conservation status: RDBU (1).

Note: *Nigritella nigra* s.str. probably does not occur in Ukraine (see below).

Nigritella carpatica (Zapal.) Teppner, Klein & Zagulski = *Nigritella nigra* aggr.

Ophrys apifera Huds.

Conservation status: RDBU (1).

(*Ophrys corallorhiza* L.) = *Corallorhiza trifida*

(*Ophrys cordata* L.) = *Listera cordata*

Ophrys cornuta Steven ~ *Ophrys oestrifera*

Conservation status: RDBU (1), as *Ophrys oestrifera* s.l.

Ophrys insectifera L.

Conservation status: RDBU (2).

(*Ophrys loeselii* L.) = *Liparis loeselii*

(*Ophrys monophyllos* L.) = *Malaxis monophyllos*

(*Ophrys monorchis* L.) = *Herminium monorchis*

(*Ophrys nidus-avis* L.) = *Neottia nidus-avis*

Ophrys oestrifera M.Bieb.

Conservation status: RDBU (1), including *Ophrys cornuta*; IUCN RL (1).

{*Ophrys oestrifera* M.Bieb. subsp. *cornuta* (Steven) Soó} = *Ophrys cornuta*

(*Ophrys ovata* L.) = *Listera ovata*

{*Ophrys sphegodes* Mill. subsp. *taurica* (Agg.) Soó} = *Ophrys taurica*

(*Ophrys spiralis* L.) = *Spiranthes spiralis*

***Ophrys taurica* (Agg.) Nevski**

Conservation status: RDBU (1).

(*Orchis abortiva* L.) = *Limodorum abortivum*

(*Orchis alpestris* Pugsley) = *Dactylorhiza alpestris*

***Orchis* × *angusticurvis* Franch.** = *Orchis purpurea* × *Orchis simia*

(*Orchis aphylla* F.W.Schmidt 1797, non Forssk. 1775) = *Epipogium aphyllum*

(*Orchis bifolia* L.) = *Platanthera bifolia*

(*Orchis cassidea* M.Bieb.) = *Orchis fragrans*

(*Orchis chlorantha* Cust.) = *Platanthera chlorantha*

(*Orchis comperiana* Steven) = *Comperia comperana*

(*Orchis cordigera* Fr.) = *Dactylorhiza cordigera*

***Orchis coriophora* L.**

Conservation status: RDBU (3).

{*Orchis coriophora* L. subsp. *fragrans* (Pollini) K.Richt.} = *Orchis fragrans*

{*Orchis coriophora* L. subsp. *nervulosa* (Sakalo) Soó} = *Orchis nervulosa*

(*Orchis cruenta* O.F.Müll.) = *Dactylorhiza cruenta*

***Orchis elegans* Heuff.**

(*Orchis elodes* Griseb.) = *Dactylorhiza elodes*

***Orchis fragrans* Pollini**

Conservation status: RDBU (2).

(*Orchis fuchsii* Druce) = *Dactylorhiza fuchsii*

(*Orchis globosa* L.) = *Traunsteinera globosa*

(*Orchis hebridensis* Wilmott) = *Dactylorhiza hebridensis*

***Orchis* × *hybrida* Boem.** = *Orchis militaris* × *Orchis purpurea*

(*Orchis iberica* M.Bieb. ex Willd.) = *Dactylorhiza iberica*

(*Orchis incarnata* L.) = *Dactylorhiza incarnata*

(*Orchis incarnata* L. var. *ochroleuca* Boll) = *Dactylorhiza ochroleuca*

(*Orchis incarnata* L. var. *straminea* Rchb.f. ex Soó) = *Dactylorhiza ochroleuca*

***Orchis* × *jailae* Soó** = *Orchis provincialis* × *Orchis signifera*

***Orchis* × *kisslingii* G.Beck** = *Orchis pallens* × *Orchis signifera*

(*Orchis latifolia* L., nom. ambig.) = *Dactylorhiza majalis*

***Orchis laxiflora* Lam.**

Conservation status: RDBU (2).

{*Orchis laxiflora* Lam. subsp. *elegans* (Heuff.) Beck} = *Orchis elegans*

{*Orchis laxiflora* Lam. subsp. *palustris* (Jacq.) Bonnier & Layens} = *Orchis palustris*

(*Orchis maculata* L.) = *Dactylorhiza maculata*

(*Orchis majalis* Rchb.) = *Dactylorhiza majalis*

***Orchis mascula* (L.) L.**

Conservation status: RDBU (3).

[*Orchis mascula* (L.) L. subsp. *pinetorum* (Boiss. & Kotschy) E.G.Camus] = *Orchis pinetorum*

[*Orchis mascula* (L.) L. subsp. *signifera* (Vest) Soó] = *Orchis signifera*

[*Orchis mascula* (L.) L. subsp. *wanjkowii* (E. Wulff) Soó] = *Orchis wanjkowii*

***Orchis militaris* L.**

Conservation status: RDBU (3).

***Orchis morio* L.**

Conservation status: RDBU (2).

[*Orchis morio* L. subsp. *picta* (Loisel.) K.Richt.] = *Orchis picta*

Orchis nervulosa* Sakalo ~ *Orchis coriophora

Conservation status: RDBU (1).

***Orchis pallens* L.**

Conservation status: RDBU (1).

***Orchis palustris* Jacq.**

Conservation status: RDBU (3).

***Orchis picta* Loisel.**

Conservation status: RDBU (2).

Orchis pinetorum* Boiss. & Kotschy ~ *Orchis mascula

Orchis* × *plessidiaca* Renz = *Orchis pallens* × *Orchis provincialis

***Orchis provincialis* Balb.**

Conservation status: RDBU (2).

(*Orchis pseudosambucina* Ten.) = *Dactylorhiza romana*

***Orchis punctulata* Steven ex Lindl.**

Conservation status: RDBU (1).

***Orchis purpurea* Huds.**

Conservation status: RDBU (3).

(*Orchis pyramidalis* L.) = *Anacamptis pyramidalis*

(*Orchis romana* Seb.) = *Dactylorhiza romana*

(*Orchis sambucina* L.) = *Dactylorhiza sambucina*

(*Orchis satyrioides* Steven) = *Stevieniella satyrioides*

Orchis signifera* Vest ~ *Orchis mascula

Conservation status: RDBU (3).

***Orchis simia* Lam.**

Conservation status: RDBU (2).

(*Orchis taurica* Lindl.) = *Orchis tridentata*

(*Orchis transsilvanica* Schur) = *Dactylorhiza transsilvanica*

(*Orchis traunsteineri* Saut. ex Rchb.) = *Dactylorhiza traunsteineri*

***Orchis tridentata* Scop.**

Conservation status: RDBU (2).

Orchis ustulata L.

Conservation status: RDBU (2).

(*Orchis variegata* All.) = *Orchis tridentata*

Orchis wanjkwii E.Wulff ~ *Orchis mascula*

Conservation status: RDBU (2).

Orchis × *wulfiana* Soó = *Orchis purpurea* × *Orchis punctulata*

Platanthera bifolia (L.) Rich.

Conservation status: RDBU (3).

Platanthera chlorantha (Cust.) Rehb.

Conservation status: RDBU (3).

Pseudorchis albida (L.) A.L.Öve & D.L.Öve

Conservation status: RDBU (3), as *Leucorchis albida*.

Spiranthes amoena (M.Bieb.) Spreng.

Conservation status: RDBU (1).

(*Spiranthes autumnalis* (Balb.) Rich.) = *Spiranthes spiralis*

Spiranthes spiralis (L.) Chevall.

Conservation status: RDBU (2).s

Stenieniella satyrioides (Steven) Schlechter

Conservation status: RDBU (1).

Traunsteinera globosa (L.) Rehb.

Conservation status: RDBU (3).

FAMILY Poaceae (= Gramineae)

Achnatherum bromoides (L.) P.Beauv.

Aegilops biuncialis Vis.

Aegilops cylindrica Host

Aegilops geniculata Roth

(*Aegilops lorentii* Hochst.) = *Aegilops biuncialis*

Aegilops ovata L.

{*Aegilops ovata* sensu auct. Fl. URSS, non L.} = *Aegilops geniculata*

{*Aegilops triaristata* auct. non Willd.} = *Aegilops ovata*

Aegilops triuncialis L.

(*Aegilops vagans* Jord. & Fourr.) = *Aegilops geniculata*

Aeluropus littoralis (Gouan) Parl.

(*Agropyron* × *apiculatum* Tscherning) = *Elytrigia* × *mucronata*
[*Agropyron* *bessarabicum* Sávul. & Rayss] = *Elytrigia* *bessarabica*
[*Agropyron* *caninum* (L.) P.Beauv.] = *Elymus* *caninus*

***Agropyron cimmericum* Nevski**

Conservation status: IUCN RL (I).

Note: Probably a hybrid between *A. dasyanthum* and *A. lavrenkoanum*.

(*Agropyron* *cretaceum* Klokov & Prokud.) = *Elytrigia* *cretacea*

***Agropyron cristatum* (L.) P.Beauv.**

Note: *Agropyron cristatum* s. str. occurs in Ukraine as a rare alien species only.

[*Agropyron cristatum* (L.) P.Beauv. subsp. *desertorum* (Fisch. ex Link) A.I.öve] =
Agropyron *desertorum*

(*Agropyron cristatum* (L.) P.Beauv. subsp. *dunensis* (G.Grint) Dihoru & Negrean) =
Agropyron *lavrenkoanum*

[*Agropyron cristatum* (L.) P.Beauv. subsp. *pectinatum* (M.Bieb.) Tzvelev] = *Agropyron*
pectinatum

[*Agropyron cristatum* (L.) P.Beauv. subsp. *ponticum* (Nevski) Tzvelev] = *Agropyron*
ponticum

[*Agropyron cristatum* (L.) P.Beauv. subsp. *sabulosum* Lavrenko] = *Agropyron*
lavrenkoanum

***Agropyron dasyanthum* Ledeb.**

Conservation status: IUCN RL (R).

[*Agropyron dasyanthum* Ledeb. subsp. *birjutzense* (Lavrenko) Lavrenko] = *Agropyron*
cimmericum

***Agropyron desertorum* (Fisch. ex Link) Schult. & Schult.f.**

[*Agropyron elongatum* (Host) P.Beauv.] = *Elytrigia* *elongata*

(*Agropyron glaucum* (Desf. ex DC.) Roem. & Schult.) = *Elytrigia* *intermedia*

(*Agropyron imbricatum* Roem. & Schult.) = *Agropyron* *pectinatum*

[*Agropyron intermedium* (Host) P.Beauv.] = *Elytrigia* *intermedia*

(*Agropyron intermedium* (Host) P.Beauv. subsp. *trichophorum* (Link) Volkart) =
Elytrigia *trichophora*

(*Agropyron karadagense* Kotov) = *Agropyron* *ponticum*

***Agropyron lavrenkoanum* Prokud.**

[*Agropyron maeoticum* Prokud.] = *Elytrigia* *maeotica*

[*Agropyron nodosum* Nevski] = *Elytrigia* *nodosa*

[*Agropyron panormitanum* Parl.] = *Elymus* *panormitanus*

***Agropyron pectinatum* (M.Bieb.) P.Beauv.**

(*Agropyron pectiniforme* Roem. & Schult.) = *Agropyron* *pectinatum*

{*Agropyron pinifolium* auct. non Nevski} = *Agropyron* *ponticum*

***Agropyron ponticum* Nevski**

[*Agropyron pseudocaesium* (Pacz.) Zoz] = *Elytrigia* *pseudocaesia*

[*Agropyron repens* (L.) P.Beauv.] = *Elytrigia* *repens*

(*Agropyron rigidum* C.Presl) = *Elytrigia* *intermedia*

{*Agropyron ruthenicum* auct. non (Griseb.) Prokud.} = *Elytrigia elongata*

{*Agropyron scythicum* Nevski} = *Elytrigia scythica*

Agropyron stepposum Dubovik = *Agropyron pectinatum*

{*Agropyron stipifolium* Czern. ex Nevski} = *Elytrigia stipifolia*

{*Agropyron strigosum* (M.Bieb.) Boiss.} = *Elytrigia strigosa*

Agropyron tanaiticum Nevski

Conservation status: IUCN RL (R).

{*Agropyron* × *tesquicolum* Prokud.} = *Elytrigia* × *tesquicola*

{*Agropyron trachycaulon* (Link) Steud.} = *Elymus trachycaulus*

{*Agropyron trichophorum* (Link) K.Richt.} = *Elytrigia trichophora*

{*Agrostis alba* auct. non L.} = *Agrostis stolonifera* & *Agrostis gigantea*

Agrostis albida Trin. = *Agrostis stolonifera*

(*Agrostis alpestris* Laest. ex Nyman) = *Agrostis vinealis*

Agrostis alpina Scop.

(*Agrostis arundinacea* L.) = *Calamagrostis arundinacea*

Agrostis canina L.

Agrostis capillaris L.

(*Agrostis festucoides* Vill.) = *Agrostis alpina*

(*Agrostis geniculata* Lam.) = *Agrostis canina*

Agrostis gigantea Roth

(*Agrostis granitica* Klokov) = *Agrostis gigantea*

(*Agrostis interrupta* L.) = *Apera interrupta*

Agrostis maotica Klokov

?***Agrostis* × *murbeckii*** Fouill. ex P.Fourn. = *Agrostis capillaris* × *Agrostis stolonifera*

Note: This hybrid can be expected in Ukraine within the ranges of its parental species.

However, data on exact localities are lacking.

(*Agrostis praticola* Klokov) = *Agrostis gigantea*

(*Agrostis pseudoalba* Klokov) = *Agrostis stolonifera*

Agrostis rupestris All.

Agrostis sabulicola Klokov

(*Agrostis spica-venti* L.) = *Apera spica-venti*

Agrostis stolonifera L.

(*Agrostis stolonizans* Besser ex Schult. & Schult.f.) = *Agrostis stolonifera*

(*Agrostis stricta* J.F.Gmel.) = *Agrostis vinealis*

(*Agrostis stricta* Willd.) = *Agrostis capillaris*

(*Agrostis syreistschikovii* P.Smirn.) = *Agrostis vinealis*

(*Agrostis tenuifolia* Curtis) = *Agrostis canina*

(*Agrostis tenuifolia* M.Bieb.) = *Agrostis vinealis*

(*Agrostis tenuis* Sibth.) = *Agrostis capillaris*

Agrostis vinealis Schreb.

(*Agrostis vulgaris* With.) = *Agrostis capillaris*

(*Agrostis zerovii* Klokov) = *Agrostis stolonifera*

× *Agrotrogyia kotovii* Tzvelev = *Agropyron pectinatum* × *Elytrigia repens*

(*Aira aquatica* L.) = *Catabrosa aquatica*

(*Aira caerulea* L.) = *Molinia caerulea*

(*Aira canescens* L.) = *Corynephorus canescens*

(*Aira capillaris* Host 1809, non Savi 1798) = *Aira elegans*

***Aira caryophyllea* L.**

(*Aira cespitosa* L.) = *Deschampsia cespitosa*

***Aira elegans* Willd. ex Gaudin**

{*Aira elegantissima* auct. non Schur} = *Aira elegans*

(*Aira flexuosa* L.) = *Avenella flexuosa*

(*Aira glauca* Spreng.) = *Koeleria glauca*

***Alopecurus aequalis* Sobol.**

***Alopecurus arundinaceus* Poir.**

(*Alopecurus fulvus* Smith) = *Alopecurus aequalis*

***Alopecurus geniculatus* L.**

***Alopecurus laguriformis* Schur**

***Alopecurus myosuroides* Huds.**

***Alopecurus pratensis* L.**

[*Alopecurus pratensis* L. subsp. *laguriformis* (Schur) Tzvelev] = *Alopecurus laguriformis*

***Alopecurus vaginatus* (Willd.) Pall. ex Kunth**

(*Alopecurus ventricosus* Pers.) = *Alopecurus arundinaceus*

(*Andropogon gryllus* L.) = *Chrysopogon gryllus*

(*Andropogon ischaemum* L.) = *Botriochloa ischaemum*

(*Andropogon sudanensis* Piper) = *Sorghum sudanense*

(*Aneurolepidium ramosum* (Trin.) Nevski) = *Leymus ramosus*

***Anisantha diandra* (Roth) Tutin**

***Anisantha madritensis* (L.) Nevski**

***Anisantha sterilis* (L.) Nevski**

***Anisantha tectorum* (L.) Nevski**

***Anthoxanthum alpinum* A.Löve & D.Löve**

***Anthoxanthum odoratum* L.**

[*Anthoxanthum odoratum* L. subsp. *alpinum* (A.Löve & D.Löve) B.Jones & Melderis] =

Anthoxanthum alpinum

***Apera interrupta* (L.) P.Beauv.**

(*Apera longiseta* Klokov) = *Apera spica-venti*

Apera maritima Klokov

Apera spica-venti (L.) P.Beauv.

[*Apera spica-venti* (L.) P.Beauv. subsp. *maritima* (Klokov) Tzvelev] = *Apera maritima*

Arrhenatherum elatius (L.) J.Presl & C.Presl

(*Arundo australis* Cav.) = *Phragmites australis*

(*Arundo canescens* Weber) = *Calamagrostis canescens*

***Arundo donax** L.

(*Arundo epigejos* L.) = *Calamagrostis epigejos*

(*Arundo neglecta* Ehrh., nom. illeg.) = *Calamagrostis stricta*

(*Arundo phragmites* L.) = *Phragmites australis*

(*Arundo stricta* Timm) = *Calamagrostis stricta*

(*Arundo varia* Schrad.) = *Calamagrostis varia*

(*Atropis distans* (Jacq.) Griseb.) = *Puccinellia distans*

Avena barbata Pott ex Link

Avena cultiformis (Malzev) Malzev

(*Avena dubia* Leers) = *Ventenata dubia*

(*Avena elatior* L.) = *Arrhenatherum elatius*

?**Avena eriantha** Durieu

Note: Reported from Sudak, Crimea (specimens collected by Ch. Steven). Needs confirmation.

Avena fatua L.

(*Avena ludoviciana* Durieu) = *Avena persica*

Avena nuda L.

Avena persica Steud.

Avena sativa L.

Avena sterilis L.

Avena strigosa Schreb.

Avena trichophylla K.Koçh

(*Avena wiestii* Steud.) = *Avena barbata*

{*Avenastrum alpinum* auct. non (Smith) Fritsch} = *Helictotrichon praeustum*

(*Avenastrum besseri* (Griseb.) Koczwara) = *Helictotrichon desertorum*

(*Avenastrum desertorum* (Less.) Podp.) = *Helictotrichon desertorum*

(*Avenastrum planiculme* (Schrad.) Opiz) = *Helictotrichon planiculme*

{*Avenastrum pratense* auct. non (L.) Opiz} = *Helictotrichon praeustum*

(*Avenastrum pubescens* (Huds.) Opiz) = *Helictotrichon pubescens*

(*Avenastrum schellianum* (Hack.) Rochev.) = *Helictotrichon schellianum*

(*Avenastrum versicolor* (Vill.) Fritsch) = *Helictotrichon versicolor*

Avenella flexuosa (L.) Drejer

Avenella flexuosa (L.) Drejer subsp. **montana** (L.) A.Löve & D.Löve

(*Avenochloa compressa* (Heuff.) Holub) = *Helictotrichon compressum*

(*Avenochloa planiculmis* (Schrad.) Holub) = *Helictotrichon planiculme*

(*Avenochloa praeusta* (Rchb.) Soják) = *Helictotrichon praeustum*

{*Avenochloa pratensis* auct. non (L.) Holub} = *Helictotrichon praeustum*

(*Avenochloa pubescens* (Huds.) Holub) = *Helictotrichon pubescens*

(*Avenochloa schelliana* (Hack.) Holub) = *Helictotrichon schellianum*

(*Avenochloa versicolor* (Vill.) Holub) = *Helictotrichon versicolor*

(*Avenula compressa* (Heuff.) Sauer & Chmelitschek) = *Helictotrichon compressum*

(*Avenula planiculmis* (Schrad.) Sauer & Chmelitschek) = *Helictotrichon planiculme*

(*Avenula praeusta* (Rchb.) Holub) = *Helictotrichon praeustum*

{*Avenula pratensis* auct. non (L.) Dumort.} = *Helictotrichon praeustum*

(*Avenula pubescens* (Huds.) Dumort.) = *Helictotrichon pubescens*

(*Avenula schelliana* (Hack.) Holub) = *Helictotrichon schellianum*

(*Avenula versicolor* (Vill.) Lainz) = *Helictotrichon versicolor*

(*Bambusa disticha* Mitford) = *Pleioblastus distichus*

(*Bambusa quadrangularis* Fenzl) = *Chimonobambusa quadrangularis*

(*Bambusa simonii* Carrière) = *Pleioblastus simonii*

Beckmannia eruciformis (L.) Host

[*Beckmannia eruciformis* (L.) Host subsp. *syzigachne* (Steud.) Breitung] = *Beckmannia syzigachne*

Beckmannia syzigachne (Steud.) Fernald

Note: A rare alien plant collected in Kiev in 1990 (S. Mosyakin, 1991, Ukr. Bot. Zhurn. 48(4): 28-34).

Bellardiochloa violacea (Bellardi) Chiov.

Bothriochloa ischaemum (L.) Keng

Brachypodium pinnatum (L.) P.Beauv.

[*Brachypodium pinnatum* (L.) P.Beauv. subsp. *rupestre* (Host) Schuebl. & Martens] = *Brachypodium rupestre*

Brachypodium rupestre (Host) Roem. & Schult.

Brachypodium sylvaticum (Huds.) P.Beauv.

[*Brevipodium sylvaticum* (Huds.) A.Löve & D.Löve] = *Brachypodium sylvaticum*

(*Briza australis* Prokud.) = *Briza elatior*

Briza elatior Sibth. & Smith

[*Briza humilis* M.Bieb.] = *Brizochloa humilis*

Briza media L.

(*Briza spicata* Sibth. & Smith) = *Brizochloa humilis*

Brizochloa humilis (M.Bieb.) Chrtek & Hadač

Bromopsis benekenii (Lange) Holub

Bromopsis calcarea Klokov ~ *Bromopsis cappadocica* aggr.

Bromopsis cappadocica (Boiss. & Balansa) Holub aggr.

Note: *Bromopsis cappadocica* s.str. does not occur in Ukraine; it is replaced in
Crimea by closely related taxa of the *B. cappadocica* aggregate.

Bromopsis cimmerica Klokov ~ *Bromopsis riparia*

Bromopsis erecta (Huds.) Fourr.

(*Bromopsis glabrata* Klokov) = *Bromopsis* × *taurica*

Bromopsis heterophylla (Klokov) Holub ~ *Bromopsis cappadocica* aggr.

Bromopsis inermis (Leyss.) Holub

Bromopsis pseudocappadocica Klokov ~ *Bromopsis cappadocica* aggr.

Bromopsis ramosa (Huds.) Holub

[*Bromopsis ramosa* (Huds.) Holub subsp. *benekenii* (Lange) Tzvelev] = *Bromopsis benekenii*

Bromopsis riparia (Rehman) Holub

(*Bromopsis riparia* (Rehman) Holub subsp. *heterophylla* (Klokov) Tzvelev) = *Bromopsis heterophylla*

Bromopsis* × *taurica Sljussar. = *Bromopsis heterophylla* × *Bromopsis riparia* aggr.

Bromus anatolicus Boiss. & Heldr. ~ *Bromus japonicus*

Bromus arvensis L.

[*Bromus benekenii* (Lange) Trimen] = *Bromopsis benekenii*

Bromus briziformis Fisch. & C.A.Mey.

[*Bromus cappadocicus* Boiss. & Balansa] = *Bromopsis cappadocica*

[*Bromus carinatus* Hook. & Arn.] = *Ceratochloa carinata*

[*Bromus catharticus* M.Vahl] = *Ceratochloa cathartica*

Bromus commutatus Schrad.

[*Bromus diandrus* Roth] = *Anisantha diandra*

[*Bromus erectus* Huds.] = *Bromopsis erecta*

(*Bromus giganteus* L.) = *Festuca gigantea*

(*Bromus gussonii* Parl.) = *Anisantha diandra*

Bromus hordeaceus L.

(*Bromus hordeaceus* L. subsp. *mollis* (L.) Hyl.) = *Bromus hordeaceus*

[*Bromus inermis* Leyss.] = *Bromopsis inermis*

Bromus japonicus Thunb.

[*Bromus japonicus* Thunb. subsp. *anatolicus* (Boiss. & Heldr.) Penzes] = *Bromus anatolicus*

(*Bromus japonicus* Thunb. subsp. *sooi* (Penzes) Soó) = *Bromus japonicus*

(*Bromus japonicus* Thunb. subsp. *subsquarrosus* (Borbás) Penzes) = *Bromus japonicus*

[*Bromus madritensis* L.] = *Anisantha madritensis*

(*Bromus megastachys* Borbás) = *Bromus squarrosus*

(*Bromus mollis* L.) = *Bromus hordeaceus*

(*Bromus patulus* Mert. & W.D.J.Koch) = *Bromus japonicus*

(*Bromus pinnatus* L.) = *Brachypodium pinnatum*

{*Bromus racemosus* auct. non L.} = *Bromus commutatus*

(*Bromus racemosus* L. subsp. *commutatus* (Schrad.) Maire & Weiller) = *Bromus commutatus*

[*Bromus ramosus* Huds.] = *Bromopsis ramosa*

[*Bromus ramosus* Huds. subsp. *benekenii* (Lange) Lindb.f.] = *Bromopsis benekenii*

{*Bromus rigens* auct. non L.} = *Anisantha diandra*

[*Bromus riparius* Rehman] = *Bromopsis riparia*

Bromus scoparius L.

Bromus secalinus L.

Bromus squarrosus L.

[*Bromus sterilis* L.] = *Anisantha sterilis*

(*Bromus subsquarrosus* Borbás) = *Bromus japonicus*

[*Bromus tectorum* L.] = *Anisantha tectorum*

Bromus wolgensis Fisch. ex Jacq.f. ~ *Bromus squarrosus*

{*Bromus willdenowii* auct. non Kunth} = *Ceratochloa cathartica*

Calamagrostis × *acutiflora* (Schrad.) Rehb. = *Calamagrostis arundinacea* × *Calamagrostis epigeios*

Calamagrostis arundinacea (L.) Roth

Calamagrostis canescens (Weber) Roth

(*Calamagrostis cotulae* Zapal.) = *Calamagrostis villosa*

Calamagrostis epigeios (L.) Roth

[*Calamagrostis epigeios* (L.) Roth subsp. *glomerata* (Boiss. & Buhse) Tzvelev] = *Calamagrostis glomerata*

[*Calamagrostis epigeios* (L.) Roth subsp. *macrolepis* (Litv.) Tzvelev] = *Calamagrostis macrolepis*

{*Calamagrostis gigantea* auct. non Roshev.} = *Calamagrostis epigeios*

(*Calamagrostis glauca* (M.Bieb.) Rehb.) = *Calamagrostis pseudophragmites*

Calamagrostis glomerata Boiss. & Buhse ~ *Calamagrostis epigeios*

Calamagrostis × *hartmanniana* Fr. = *Calamagrostis arundinacea* × *Calamagrostis canescens*

(*Calamagrostis lanceolata* Roth) = *Calamagrostis canescens*

(*Calamagrostis lithuanica* Besser) = *Calamagrostis canescens*

Calamagrostis macrolepis Litv. = *Calamagrostis epigeios*
{*Calamagrostis neglecta* auct. non P.Gaertn., B.Mey. & Scherb.} = *Calamagrostis stricta*
Calamagrostis pseudophragmites (Haller f.) Koeler
Calamagrostis × rigens Lindgr. = *Calamagrostis canescens* × *Calamagrostis epigeios*
Calamagrostis stricta (Timm) Koeler
Calamagrostis × strigosa (Wahlenb.) C.Hartm. = *Calamagrostis epigeios* ×
Calamagrostis stricta
Calamagrostis varia (Schrad.) Host
Calamagrostis villosa (Chaix) J.F.Gmel.
Calamagrostis × vilnensis Besser = *Calamagrostis canescens* × *Calamagrostis stricta*

Catabrosa aquatica (L.) P.Beauv.

[*Catapodium rigidum* (L.) C.E.Hubb. ex Dony] = *Scleropoa rigida*

{*Cenchrus incertus* auct. non Curtis} = *Cenchrus longispinus*

Cenchrus longispinus (Hack.) Fernald

{*Cenchrus pauciflorus* auct. non Benth.} = *Cenchrus longispinus*

(*Cenchrus racemosus* L.) = *Tragus racemosus*

{*Cenchrus tribuloides* auct. non L.} = *Cenchrus longispinus*

Ceratochloa carinata (Hook. & Arn.) Tutin

Note: A rare alien plant known in several localities in central Ukraine.

Ceratochloa cathartica (M.Vahl) Herter

Note: A rare alien plant collected in Kiev in 1990; also reported as occasionally cultivated.

{*Ceratochloa unioloides* auct. non (Willd.) P.Beauv.} = *Ceratochloa cathartica*

***Chimonobambusa quadrangularis** (Fenzl) Makino

Note: Rarely cultivated in gardens and parks of Crimea.

Chrysopogon gryllus (L.) Trin.

Conservation status: RDBU (2).

Cleistogenes bulgarica (Bornm.) Keng

(*Cleistogenes maeotica* Klokov & Zoz) = *Cleistogenes bulgarica*

Cleistogenes serotina (L.) Keng

[*Cleistogenes serotina* (L.) Keng subsp. *bulgarica* (Bornm.) Tutin] = *Cleistogenes bulgarica*

Cleistogenes squarrosa (Trin.) Keng

[*Clinelymus sibiricus* (L.) Nevski] = *Elymus sibiricus*

(*Cortaderia dioica* (Spreng.) Speg.) = *Cortaderia selloana*

**Cortaderia selloana* (Schult. & Schult.f.) Asch. & Graebn.

Note: Occasionally cultivated in S Ukraine (Crimea).

Corynephorus canescens (L.) P.Beauv.

Crypsis aculeata (L.) Aiton

Crypsis alopecuroides (Piller & Mitterp.) Schrad.

(*Crypsis phalaroides* M.Bieb.) = *Crypsis alopecuroides*

Crypsis schoenoides (L.) Lam.

(*Cuviera europaea* (L.) Koeler) = *Hordelymus europaeus*

[*Cylindropyrum cylindricum* (Host) A.Löve] = *Aegilops cylindrica*

Cynodon dactylon (L.) Pers.

Cynosurus cristatus L.

Cynosurus echinatus L.

Dactylis glomerata L.

[*Dactylis glomerata* L. subsp. *aschersoniana* (Graebn.) Thell.] = *Dactylis polygama*

[*Dactylis glomerata* L. subsp. *hispanica* (Roth) Nyman] = *Dactylis hispanica*

(*Dactylis glomerata* L. subsp. *polygama* (Horv.) Domin) = *Dactylis polygama*

[*Dactylis glomerata* L. subsp. *slovenica* (Domin) Domin] = *Dactylis slovenica*

Dactylis hispanica Roth ~ *Dactylis glomerata* s.l.

Dactylis polygama Horv. - *Dactylis glomerata* s.l.

Dactylis slovenica Domin - *Dactylis glomerata* s.l.

Danthonia alpina Vest

[*Danthonia decumbens* (L.) DC.] = *Sieglingia decumbens*

[*Danthonia decumbens* (L.) DC. subsp. *decipiens* O.Schwarz & Bässler] = *Sieglingia decumbens*
subsp. *decipiens*

Dasypyrum villosum (L.) P.Candargy

Deschampsia cespitosa (L.) P.Beauv.

Deschampsia cespitosa (L.) P.Beauv. subsp. ***alpicola*** Chrtek & V.Jirásek

Deschampsia cespitosa (L.) P.Beauv. subsp. ***parviflora*** (Thuill.) K.Richt.

[*Deschampsia flexuosa* (L.) Nees] = *Avenella flexuosa*

(*Deschampsia montana* (L.) D.Don f.) = *Avenella flexuosa* subsp. *montana*

(*Deschampsia pulchella* (Willd.) Trin.) = *Molineriella laevis*

[*Dichanthelium acuminatum* (Sw.) Gould & Clark] = *Panicum acuminatum*

(*Dichanthelium lanuginosum* (Elliott) Gould) = *Panicum acuminatum*

Digitaria aegyptiaca (Retz.) Willd. ~ *Digitaria sanguinalis* aggr.

Digitaria ciliaris (Retz.) Koeler

Note: A very rare alien species. Almost all Ukrainian records of *D. ciliaris* refer to *D. pectiniformis*.

{*Digitaria ciliaris* auct. non (Retz.) Koeler} = *Digitaria pectiniformis*

Digitaria ischaemum (Schreb.) Muehl.

{*Digitaria linearis* auct. non (L.) Crép.} = *Digitaria ischaemum*

Digitaria pectiniformis (Henrard) Tzvelev ~ *Digitaria sanguinalis* aggr.

Digitaria sanguinalis (L.) Scop.

[*Digitaria sanguinalis* (L.) Scop. subsp. *aegyptiaca* (Retz.) Henrard] = *Digitaria aegyptiaca*

[*Digitaria sanguinalis* (L.) Scop. subsp. *pectiniformis* Henrard] = *Digitaria pectiniformis*

(*Digitaria vulgaris* (Schrad.) Besser) = *Digitaria sanguinalis*

(*Digraphis arundinacea* (L.) Trin.) = *Phalaroides arundinacea*

(*Diplachne bulgarica* (Bornm.) Bornm.) = *Cleistogenes bulgarica*

(*Diplachne serotina* (L.) Link) = *Cleistogenes serotina*

(*Diplachne squarrosa* (Trin.) Maxim.) = *Cleistogenes serotina*

Echinaria capitata (L.) Desf.

Echinochloa colona (L.) Link

Note: A rare casual alien collected in Kiev in 1989-1990 (see synopsis of *Echinochloa* in Ukraine: S. Mosyakin, 1996, pp. 217-225. in: S. Wasser (ed.), *Botany and Mycology for the Next Millenium*. Kiev).

Echinochloa crusgalli (L.) P.Beauv.

Echinochloa crusgalli (L.) P.Beauv. subsp. ***spiralis*** (Vasing.) Tzvelev

*!***Echinochloa esculenta*** (A.Br.) H.Scholz

Echinochloa frumentacea Link

Note: A rare casual alien collected in Kiev in 1990.

{*Echinochloa frumentacea* auct. non Link} = *Echinochloa esculenta*

(*Echinochloa frumentacea* Link subsp. *utilis* (Ohwi & Yabuno) Tzvelev) = *Echinochloa esculenta*

(*Echinochloa hostii* (M.Bieb.) Steven) = *Echinochloa oryzoides* subsp. *oryzoides*

(*Echinochloa macrocarpa* Vasing.) = *Echinochloa oryzoides* subsp. *oryzoides*

Echinochloa microstachya (Wiegand) Rydb.

Note: A casual alien collected in Kiev in 1989.

Echinochloa microstachya (Wiegand) Rydb. subsp. ***wiegandii*** (Fassett) Mosyakin

Note: A rare casual alien collected in Kiev in 1990.

(*Echinochloa muricata* (P.Beauv.) Fernald var. *microstachya* Wiegand) = *Echinochloa microstachya*

(*Echinochloa occidentalis* (Wiegand) Rydb. s.str.) = *Echinochloa crusgalli*
 {*Echinochloa occidentalis* auct. non (Wiegand) Rydb.} = *Echinochloa microstachya* subsp.
wiegandii
 {*Echinochloa occidentalis* sensu Probatova, non (Wiegand.) Rydb.} = *Echinochloa*
crusgalli subsp. *spiralis*
Echinochloa oryzicola (Vasing.) Vasing.
Echinochloa oryzoides (Ard.) Fritsch
Echinochloa oryzoides (Ard.) Fritsch subsp. ***phyllopogon*** (Stapf) Tzvelev
 [*Echinochloa phyllopogon* (Stapf) Kossenko] = *Echinochloa oryzoides* subsp. *phyllopogon*
 (*Echinochloa phyllopogon* (Stapf) Carv.-Vasc. comb. superfl.) = *Echinochloa oryzoides*
 subsp. *phyllopogon*
 (*Echinochloa phyllopogon* (Stapf) Kossenko subsp. *oryzicola* (Vasing.) Kossenko] =
Echinochloa oryzicola
 (*Echinochloa pungens* (Poir.) Rydb. var. *wiegandii* Fassett) = *Echinochloa microstachya*
 subsp. *wiegandii*
 (*Echinochloa utilis* Ohwi & Yabuno) = *Echinochloa esculenta*
 [*Echinochloa wiegandii* (Fassett) McNeill & Dore] = *Echinochloa microstachya* subsp.
wiegandii

Eleusine indica (L.) Gaertn.

Note: One collection from Kiev (S. Mosyakin & M. Shevera, 1993, Ukr. Bot. Zhurn.
 50(1): 94-97); the colony has recently disappeared.

[*Elymus arenarius* L.] = *Leymus arenarius*

Elymus caninus (L.) L.

(*Elymus giganteus* Vahl) = *Leymus racemosus*

Elymus panormitanus (Parl.) Tzvelev

[*Elymus racemosus* Lam.] = *Leymus racemosus*

[*Elymus sabulosus* M.Bieb.] = *Leymus sabulosus*

Elymus sibiricus L.

Note: A rare casual alien collected in Kiev in 1990 (S. Mosyakin, 1991, Ukr. Bot.
 Zhurn. 48(4): 28-34).

Elymus trachycaulus (Link) Gould & Schinners

(*Elytrigia* × *apiculata* (Tscherning) V.Jirásek) = *Elytrigia* × *mucronata*

(*Elytrigia aucheri* (Boiss.) Nevski) = *Elytrigia trichophora*

Elytrigia bessarabica (Săvul. & Rayss) Prokud.

Elytrigia cretacea (Klokov & Prokud.) Klokov & Prokud. = *Elytrigia stipifolia* s.l.

Conservation status: RDBU (2).

(*Elytrigia dominii* V.Jirásek) = *Elytrigia* × *tesquicola*

Elytrigia elongata (Host) Nevski

Elytrigia intermedia (Host) Nevski
{*Elytrigia juncea* auct. non (L.) Nevski} = *Elytrigia bessarabica* s.str.
[*Elytrigia juncea* (L.) Nevski subsp. *bessarabica* (Săvul. & Rayss) Tzvelev] = *Elytrigia bessarabica*

Elytrigia kotovii Dubovik = *Elytrigia stipifolia* s.l.

Elytrigia macotica (Prokud.) Prokud.

Elytrigia × **mucronata** (Opiz) Prokud. = *Elytrigia intermedia* × *Elytrigia repens*

Elytrigia ninae Dubovik = *Elytrigia stipifolia* s.l.

Elytrigia nodosa (Nevski) Nevski

(*Elytrigia prokudinii* Druleva) = *Elytrigia elongata*

Elytrigia pseudocaesia (Pacz.) Prokud.

Elytrigia repens (L.) Nevski

[*Elytrigia repens* (L.) Nevski subsp. *pseudocaesia* (Pacz.) Tzvelev] = *Elytrigia pseudocaesia*

[*Elytrigia repens* (L.) Nevski subsp. *elongatiformis* (Drob.) Tzvelev] = *Elytrigia macotica*

(*Elytrigia ruthenica* (Griseb.) Prokud.) = *Elytrigia trichophora*

{*Elytrigia ruthenica* auct. non (Griseb.) Prokud.} = *Elytrigia elongata*

Elytrigia scythica (Nevski) Nevski = *Elytrigia strigosa*

Elytrigia stipifolia (Czern. ex Nevski) Nevski

Conservation status: RDBU (2); IUCN RL (I); ERL (V).

Elytrigia strigosa (M.Bieb.) Nevski

Elytrigia × **tesquicola** (Prokud.) Prokud. & Klokov = *Elytrigia repens* × *Elytrigia trichophora*

Elytrigia trichophora (Link) Nevski

(*Eragrostis abissinica* (Jacq.) Link) = *Eragrostis tef*

Eragrostis aegyptiaca (Willd.) Delile

Eragrostis borysthenica Klokov = *Eragrostis suaveolens*

Eragrostis cilianensis (All.) Vign.-Lut. ex Janch.

Eragrostis minor Host

Eragrostis multicaulis Steud. = *Eragrostis pilosa* aggr.

Eragrostis pectinacea (Michx.) Nees

Note: See discussion on *Eragrostis* in Ukraine (S. Mosyakin & M. Bortnyak, 1994,

Ukr. Bot. Zhurn. 51(5): 89-93).

Eragrostis pilosa (L.) P.Beauv.

[*Eragrostis pilosa* (L.) P.Beauv. subsp. *multicaulis* (Steud.) Tzvelev] = *Eragrostis multicaulis*

(*Eragrostis poaeoides* P.Beauv.) = *Eragrostis minor*

Eragrostis suaveolens A.Becker ex Claus

[*Eragrostis suaveolens* A.Becker ex Claus subsp. *borysthenica* (Schmalh.) Tzvelev] =

Eragrostis borysthenica

***Eragrostis tef** (Zuccagni) Trotter

Eremopyrum orientale (L.) Jaub. & Spach

Eremopyrum triticeum (P.Gaertn.) Nevski

Eriochloa villosa (Thunb.) Kunth

Festuca airoides Lam.

Festuca altissima All.

{Festuca amethystina auct. non L.} = Festuca inarmata

[Festuca amethystina L. subsp. inarmata (Schur) Krajina] = Festuca inarmata

Festuca apennina De Not.

Festuca arietina Klokov

Festuca arundinacea Schreb.

(Festuca arundinacea Schreb. subsp. orientalis (A.Kern. ex Hack.) Tzvelev) = Festuca
regeliana

{Festuca arundinacea auct. non L.} = Festuca regeliana

Festuca beckeri (Hack.) Trautv.

(Festuca beckeri (Hack.) Trautv. subsp. polesica (Zapał.) Tzvelev) = Festuca polesica

Festuca callieri (Hack.) Markgr.

Festuca carpatica F.G.Dietr.

Festuca cretacea T.Pop. & Proskor.

Conservation status: RDBU (2).

Festuca drymeja Mert. & W.D.J.Koch

(Festuca duriuscula L., nom. ambig.) = Festuca trachyphylla

{Festuca duriuscula auct. non L.} = Festuca beckeri

(Festuca elatior L., nom. utique rej.) = Festuca pratensis

Festuca fallax Thuill. ~ Festuca rubra aggr.

Festuca gigantea (L.) Vill.

{Festuca glauca auct. non Lam.} = Festuca pallens

(Festuca glauca Lam. subsp. pallens (Host) K.Richt.) = Festuca pallens

Festuca heterophylla Lam.

Festuca inarmata Schur ~ Festuca amethystina s.l.

(Festuca laeviuscula Klokov) = Festuca beckeri

Festuca makutrensis Zapał.

Festuca multiflora Hoffm. ~ Festuca rubra aggr.

(Festuca orientalis (A.Kern. ex Hack.) V.Krecz. & Bobrov 1934, non B.Fedtsch. 1915) =
Festuca regeliana

Festuca ovina L.

Festuca pallens Host

Conservation status: RDBU (2).

Festuca picta Kit.

Festuca polesica Zapał.

Festuca polonica Zapał. ~ Festuca rubra aggr.

Festuca porcii Hack.

Conservation status: RDBU (3).

Festuca pratensis Huds.

[*Festuca pratensis* Huds. subsp. *apennina* (De Not.) Hegi] = *Festuca apennina*

Festuca psammophila (Hack. ex Čelak.) Fritsch ~ *Festuca pallens*

Note: Reported for Lviv region (I. Bednarska, personal communication).

Festuca pseudodalmatica Krajina ex Domin ~ *Festuca valesiaca* aggr.

(*Festuca pseudorubra* Schur) = *Festuca fallax*

Festuca pseudovina Hack. ex Wiesb. ~ *Festuca valesiaca* aggr.

(*Festuca querceto-pinetorum* Klokov) = *Festuca polesica*

Note: According to I. Bednarska (personal communication), this taxon is represented mostly by hybrids *F. ovina* × *F. polesica*.

Festuca regeliana Pavl.

Festuca rubra L.

[*Festuca rubra* L. subsp. *fallax* (Thuill.) Nyman] = *Festuca fallax*

[*Festuca rubra* L. subsp. *multiflora* (Hoffm.) V. Jirásek] = *Festuca multiflora*

Festuca rupicola Heuff. ~ *Festuca valesiaca* aggr.

Festuca saxatilis Schur ~ *Festuca rupicola* aggr.

(*Festuca sulcata* (Hack.) Nyman) = *Festuca rupicola*

{*Festuca sulcata* auct. non (Hack.) Nyman} = *Festuca valesiaca* aggr.

(*Festuca supina* Schur) = *Festuca airoides*

(*Festuca sylvatica* (Pollich) Vill. 1786. non Huds. 1762) = *Festuca altissima*

Festuca taurica (Hack.) A.Kern. ex Trautv.

Festuca tenuifolia Sibth.

Festuca trachyphylla (Hack.) Krajina

{*Festuca vaginata* auct. non Waldst. & Kit.} = *Festuca pallens*.

Festuca valesiaca Gaudin

{*Festuca varia* auct. non Haenke} = *Festuca versicolor*

Festuca versicolor Tausch

[*Festuca wolgensis* P.Smirm. subsp. *arietina* (Klokov) Tzvelev] = *Festuca arietina*

Gaudinia fragilis (L.) P.Beauv.

Gaudinopsis macra (Steven ex M.Bieb.) Eig

(*Glyceria aquatica* (L.) Wahlenb.) = *Glyceria maxima*

(*Glyceria aquatica* (L.) J.Presl & C.Presl) = *Catabrosa aquatica*

Glyceria arundinacea Kunth

Glyceria fluitans (L.) R.Br.

?**Glyceria lithuanica** (Gorski) Gorski

Note: No records from Ukraine available. However, the species may be expected in the northwestern part of Ukraine.

Glyceria maxima (C.Hartm.) Holmberg

Glyceria nemoralis (Uechtr.) Uechtr. & Körn.

(*Glyceria nervata* (Willd.) Trin.) = *Glyceria striata*

Glyceria notata Chevall.

?***Glyceria* × *pedicellata*** F.Towns. = *Glyceria fluitans* × *Glyceria notata*

Note: Can be expected in Ukraine elsewhere within the ranges of its parental species.

(*Glyceria plicata* (Fr.) Fr.) = *Glyceria notata*

(*Glyceria rigida* (Rydb.) Rydb.) = *Glyceria striata*

Glyceria striata (Lam.) Hitchc.

(*Haynaldia villosa* (L.) Schur) = *Dasypyrum villosum*

[*Heleochloa alopecuroides* (Piller & Mitterp.) Host ex Roem.] = *Crypsis alopecuroides*

[*Heleochloa schoenoides* (L.) Host ex Roem.] = *Crypsis schoenoides*

{*Helictotrichon alpinum* auct. non (Smith) Fritsch} = *Helictotrichon praeustum*

(*Helictotrichon besseri* (Griseb.) Klokov) = *Helictotrichon desertorum*

Helictotrichon compressum (Heuff.) Henrard

Helictotrichon desertorum (Less.) Nevski

Helictotrichon planiculme (Schrad.) Pilg.

Helictotrichon praeustum (Rchb.) Tzvelev

{*Helictotrichon pratense* auct. non (L.) Besser} = *Helictotrichon praeustum*

Helictotrichon pubescens (Huds.) Pilg.

Helictotrichon schellianum (Hack.) Kitag.

(*Helictotrichon tauricum* Prokud.) = *Helictotrichon compressum*

Helictotrichon versicolor (Vill.) Pilg.

Hierochloë australis (Schrad.) Roem. & Schult.

Hierochloë odorata (L.) P.Beauv.

(*Hierochloë odorata* (L.) P.Beauv. subsp. *pannonica* Chrtek & V.Jirásek) = *Hierochloë repens*

Hierochloë repens (Host) P.Beauv.

(*Hierochloë stepporum* P.Smirn.) = *Hierochloë repens*

Holcus lanatus L.

Holcus mollis L.

Hordelymus europaeus (L.) Jessen ex C.O.Harz

Hordeum bulbosum L.

****Hordeum distichon*** L.

Hordeum geniculatum All.

Hordeum glaucum Steud.

(*Hordeum gussoneanum* Parl.) = *Hordeum geniculatum*

(*Hordeum hystrix* Roth) = *Hordeum geniculatum*

Hordeum jubatum L.

Hordeum leporinum Link

Hordeum murinum L.

[*Hordeum murinum* L. subsp. *leporinum* (Link) Arcang.] = *Hordeum leporinum*

[*Hordeum murinum* L. subsp. *glaucum* (Steud.) Tzvelev] = *Hordeum glaucum*

{*Hordeum nodosum* auct. non L.} = *Hordeum secalinum*

?**Hordeum secalinum** Schreb.

Note: The only record from Ukraine (Crimea, near Balaklava) needs confirmation.

***Hordeum vulgare** L.

(*Kengia bulgarica* (Bornm.) Packer) = *Cleistogenes bulgarica*

(*Kengia maeotica* (Klokov & Zoz) Packer) = *Cleistogenes bulgarica*

(*Kengia serotina* (L.) Packer) = *Cleistogenes serotina*

(*Kengia squarrosa* (Trin.) Packer) = *Cleistogenes squarrosa*

Koeleria biebersteinii M.Kaleniczenko

Conservation status: ERL (1).

(*Koeleria borystenica* Klokov) = *Koeleria sabuletorum*

Koeleria brevis Steven

Koeleria cristata (L.) Pers.

Note: In recent European literature the name *K. cristata* is usually regarded as nom.

illeg.; the name *K. macrantha* (Ledeb.) Schult. is usually accepted for the species.

However, N. Tzvelev placed *K. macrantha* in the synonymy of *K. cristata* subsp. *mongolica* (Domin) Tzvelev, and supported the name *K. cristata* s.str. for the European species (see Prokudin & al., 1977).

(*Koeleria degenii* Domin) = *Koeleria brevis*

Koeleria delavignei Czern. ex Domin

Koeleria glauca (Spreng.) DC.

[*Koeleria glauca* (Spreng.) DC. subsp. *sabuletorum* Domin] = *Koeleria sabuletorum*

(*Koeleria gracilis* Pers., nom. illeg.) = *Koeleria cristata*

Koeleria grandis Besser ex Gorski

Koeleria lobata (M.Bieb.) Roem. & Schult.

{*Koeleria macrantha* auct. non (Ledeb.) Schult.} = *Koeleria cristata*

Koeleria moldavica M.Alexeenko

Conservation status: ERL (1).

(*Koeleria montana* (Hausm.) Dalla Torre) = *Koeleria pyramidata*

(*Koeleria polonica* Domin) = *Koeleria grandis*

Koeleria pyramidata (Lam.) P.Beauv.

Note: Reported from the Carpathians (see Tassenkevich, 1998).

Koeleria sabuletorum (Domin) Klokov

Koeleria talievii Lavrenko

Conservation status: RDBU (2).

(*Koeleria theodoriana* Klokov, nom. inval.) = *Koeleria lobata*

Koeleria taurica M.Kaleniczenko

?***Koeleria transsilvanica*** Schur

Note: Reported from the Carpathians (see Tasenkevich, 1998).

(*Lasiagrostis bromoides* (L.) Nevski & Roshev.) = *Achnatherum bromoides*

Leersia oryzoides (L.) Sw.

(*Lepturus incurvus* (L.) Trin.) = *Parapholis incurva*

(*Lerchenfeldia flexuosa* (L.) Schur) = *Avenella flexuosa*

(*Lerchenfeldia flexuosa* (L.) Schur subsp. *montana* (L.) Tzvelev) = *Avenella flexuosa* subsp. *montana*

Leymus arenarius (L.) Hochst.

Leymus racemosus (Lam.) Tzvelev

Leymus ramosus (Trin.) Tzvelev

Leymus sabulosus (M.Bieb.) Tzvelev

Lolium arvense With. ~ *Lolium temulentum* s.l.

Lolium* × *hybridum Hausskn. = *Lolium multiflorum* × *Lolium perenne*

(*Lolium italicum* A.Br.) = *Lolium multiflorum*

Lolium loliaceum (Bory & Chaub.) Hand.-Mazz.

(*Lolium marschallii* Steven) = *Lolium perenne*

Lolium multiflorum Lam.

Lolium perenne L.

[*Lolium perenne* L. subsp. *rigidum* (Gaudin) A.Löve & D.Löve] = *Lolium rigidum*

Lolium persicum Boiss. & Hohen.

Lolium remotum Schrank

Lolium rigidum Gaudin

(*Lolium speciosum* M.Bieb.) = *Lolium arvense*

Lolium temulentum L.

[*Lolium temulentum* L. subsp. *arvense* (With.) Tzvelev] = *Lolium arvense*

[*Lolium temulentum* L. subsp. *remotum* (Schrank) A.Löve & D.Löve] = *Lolium remotum*

(*Lophochloa cristata* (L.) Hyl.) = *Rostraria cristata*

Melica altissima L.

Melica chrysolepis Klokov ~ *Melica transsilvanica*

Conservation status: ERL (I).

Melica ciliata L.

[*Melica ciliata* L. subsp. *monticola* (Prokud.) Tzvelev] = *Melica monticola*

[*Melica ciliata* L. subsp. *taurica* (K.Koch) Tzvelev] = *Melica taurica*

[*Melica ciliata* L. subsp. [transsilvanica (Schur) Čelak.] = *Melica transsilvanica*

{*Melica flavescens* auct. non Simonk.} = *Melica chrysolepis*

(*Melica glauca* F.Schultz) = *Melica ciliata*

Melica monticola Prokud.

Melica nutans L.

(*Melica nutans* L. subsp. *picta* (K.Koch) Schinz & R.Keller) = *Melica picta*

Melica picta K.Koch

(*Melica simulans* Klokov) = *Melica ciliata*

Melica taurica K.Koch

(*Melica taurica* K.Koch subsp. *monticola* (Prokud.) Prokud.) = *Melica monticola*

Melica transsilvanica Schur

[*Melica transsilvanica* Schur subsp. *klokovii* Tzvelev] = *Melica chrysolepis*

Melica uniflora Retz.

Milium effusum L.

Milium vernale M.Bieb.

?***Molineriella laevis*** (Brot.) Rouy

Note: Reported from Crimea; probably mislabelled?

?***Molinia arundinacea*** Schrank

Note: Records from Ukraine (as *M. litoralis*) need confirmation.

Molinia caerulea (L.) Moench

Molinia euxina Pobed. ~ *Molinia caerulea*

(*Molinia litoralis* Host) = *Molinia arundinacea*

Monerma cylindrica (Willd.) Coss. & Durieu

Nardurus krausei (Regel) V.Krecz. & Bobrov

{*Nardurus maritimus* auct. non (L.) Murb.} = *Nardurus krausei*

[*Nardurus maritimus* (L.) Murb. subsp. *aristatus* (W.D.J.Koch) Tzvelev] = *Nardurus krausei*

(*Nardurus maritimus* (L.) Murb. subsp. *krausei* (Regel) Tzvelev) = *Nardurus krausei*

(*Nardurus tenuiflorus* (Schrad.) Boiss.) = *Nardurus krausei*

(*Nardus glabriculmis* Sakalo) = *Nardus stricta*

Nardus stricta L.

Oreochloa disticha (Wulfen) Link

Conservation status: RDBU (1).

****Oryza sativa*** L.

Dryzopsis holciformis (M.Bieb.) Hack.) = *Piptatherum holciforme*

Dryzopsis virescens (Trin.) G.Beck = *Piptatherum virescens*

***anicum acuminatum* Sw.**

Note: A rare alien species reported from Transcarpathia (Fodor, 1974), as *P. huachucae*.

****anicum barbipulvinatum* Nash ~ *Panicum capillare***

****anicum capillare* L.**

Panicum capillare L. subsp. *barbipulvinatum* (Nash) Tzvelev] = *Panicum barbipulvinatum*

****anicum dichotomiflorum* Michx.**

Note: A rare casual alien first collected in Kiev in 1989.

Panicum huachucae Ashe) = *Panicum acuminatum*

Panicum lanuginosum Elliott) = *Panicum acuminatum*

!*Panicum miliaceum* L.

Panicum miliaceum L. subsp. *ruderales* (Kitag.) Tzvelev

***Parapholis incurva* (L.) C.E.Hubb.**

***Paspalum paspalodes* (Michx.) Scribn.**

****Pennisetum americanum* (L.) Leeke**

{*Pennisetum glaucum* auct. non (L.) R.Br., excl. typo} = *Pennisetum americanum*

(*Phalaris arundinacea* L.) = *Phalaroides arundinacea*

!*Phalaris canariensis* L.

Phalaris minor Retz.

Phalaroides arundinacea (L.) Rausch.

***Phleum alpinum* L.**

***Phleum ambiguum* Ten.**

***Phleum arenarium* L.**

Phleum bertolonii* DC. ~ *Phleum pratense

***Phleum hirsutum* Honck.**

[*Phleum hirsutum* Honck. subsp. *ambiguum* (Ten.) Tzvelev] = *Phleum ambiguum*

(*Phleum michelii* All.) = *Phleum hirsutum*

***Phleum montanum* K.Koch**

(*Phleum nodosum* L.) = *Phleum pratense*

{*Phleum nodosum* auct. non L.} = *Phleum bertolonii*

***Phleum paniculatum* Huds.**

***Phleum phleoides* (L.) H.Karst.**

[*Phleum phleoides* (L.) H.Karst. subsp. *montanum* (K.Koch) Tzvelev] = *Phleum montanum*

Phleum pratense L.

[*Phleum pratense* L. subsp. *bertolonii* (DC.) Bornm.] = *Phleum bertolonii*

(*Phleum pratense* L. subsp. *nodosum* (L.) Arcang.) = *Phleum pratense*

{*Phleum pratense* L. subsp. *nodosum* auct. non (L.) Arcang.} = *Phleum bertolonii*

Phleum subulatum (Savi) Asch. & Graebn.

(*Phleum tenue* (Host) Schrad.) = *Phleum subulatum*

[*Pholiurus incurvus* (L.) Schintz & Thell.] = *Parapholis incurva*

Pholiurus pannonicus (Host) Trin.

Phragmites altissimus (Benth.) Nabile ~ *Phragmites australis*

Phragmites australis (Cav.) Trin. ex Steud.

[*Phragmites australis* (Cav.) Trin. ex Steud. subsp. *altissimus* (Benth.) W. Clayton] =

Phragmites altissimus

(*Phragmites australis* (Cav.) Trin. ex Steud. subsp. *pseudodonax* (Rabenh.) Rauschert) =

Phragmites altissimus

(*Phragmites communis* Trin.) = *Phragmites australis*

(*Phragmites communis* Trin. subsp. *pseudodonax* (Rabenh.) Rothm. ex Tzvelev) =

Phragmites altissimus

***Phyllostachys aurea** A. Rivière & C. Rivière

***Phyllostachys bambusoides** Siebold & Zucc.

***Phyllostachys flexuosa** A. Rivière & C. Rivière

(*Phyllostachys mitis* (Carrière) A. Rivière & C. Rivière) = *Phyllostachys viridis*

***Phyllostachys nigra** (Lodd.) Munro

***Phyllostachys viridi-glaucescens** (Carrière) A. Rivière & C. Rivière

***Phyllostachys viridis** (Young) McClure

Note: Species of *Phyllostachys* are cultivated in the Crimean South Coast.

Piptatherum holciforme (M. Bieb.) Roem. & Schult.

Piptatherum virescens (Trin.) Boiss.

***Pleioblastus distichus** (Mitford) Nakai

***Pleioblastus gramineus** (Bean) Nakai

***Pleioblastus simonii** (Carrière) Nakai

Note: Species of *Pleioblastus* are cultivated in S Crimea.

Poa alpina L.

Poa angustifolia L.

Poa annua L.

Poa balfourii Parn. ~ *Poa glauca* s.l.

Poa biebersteinii H. Pojark.

Poa bulbosa L.

{*Poa cenisia* auct. non All.} = *Poa deyllii*

Poa chaixii Vill.

Poa compressa L.

Poa deyllii Chrtek & V.Jirásek

Conservation status: RDBU (2).

Poa erythropoda Klokov ~ *Poa versicolor*

Poa fagetorum P.Smirn. ~ *Poa longifolia*

{*Poa glauca* auct. non Vahl.} = *Poa balfourii*

{*Poa granitica* auct. non Braun-Blanq.} = *Poa deyllii*

Poa hybrida Gaudin

Poa hypanica Prokud. ~ *Poa nemoralis*

Poa infirma Kunth ~ *Poa annua* aggr.

(*Poa janczewskii* Zapal.) = *Poa palustris*

{*Poa laxa* auct. non Haenke} = *Poa media*

Poa longifolia Trin.

[*Poa longifolia* Trin. subsp. *fagetorum* (P.Smirn.) Tzvelev] = *Poa fagetorum*

Poa media Schur

Poa nemoralis L.

(*Poa nemoralis* L. subsp. *carpatica* V.Jirásek) = *Poa balfourii*

[*Poa nemoralis* L. subsp. *hypanica* (Prokud.) Tzvelev] = *Poa hypanica*

Poa palustris L.

(*Poa palustris* L. subsp. *volhynensis* (Klokov) Tzvelev s.str.) = *Poa turfosa*

{*Poa palustris* L. subsp. *volhynensis* (Klokov) Tzvelev sensu Tzvelev} = *Poa palustris*

(*Poa pinetorum* Klokov, nom. inval.) = *Poa turfosa*

(*Poa podolica* (Asch. & Graebn.) Blocki ex Zapal.) = *Poa versicolor*

(*Poa polonica* Blocki) = *Poa versicolor*

Poa pratensis L.

[*Poa pratensis* L. subsp. *angustifolia* (L.) Gaudin] = *Poa angustifolia*

Poa rehmannii (Asch. & Graebn.) Wol.

Conservation status: ERL (1).

Poa remota Forselles

(*Poa serotina* Ehrh.) = *Poa palustris*

{*Poa stepposa* auct. non (Kryl.) Roshev.} = *Poa erythropoda*

Poa sterilis M.Bieb.

[*Poa sterilis* M.Bieb. subsp. *biebersteinii* (H.Pojark.) Tzvelev] = *Poa biebersteinii*

Poa supina Schrad. ~ *Poa annua* aggr.

Poa sylvicola Guss.

Poa taurica H.Pojark.

Poa trivialis L.

[*Poa trivialis* L. subsp. *sylvicola* (Guss.) Lindb.f.] = *Poa sylvicola*

Poa turfosa Litv.

Poa versicolor Besser

Conservation status: RDBU (4).

[*Poa versicolor* Besser subsp. *erythropoda* (Klokov) Tzvelev] = *Poa erythropoda*

[*Poa violacea* Bellardi] = *Bellardiochloa violacea*

(*Poa volhynensis* Klokov) = *Poa turfosa*

Polypogon monspeliensis (L.) Desf.

(*Polypogon semiverticillatus* (Forssk.) Hyl.) = *Polypogon viridis*

Polypogon viridis (Gouan) Breistr.

Psathyrostachys juncea (Fisch.) Nevski

***Pseudosasa japonica** (Siebold & Zucc. ex Steud.) Makino ex Nakai

Note: Cultivated in parks and gardens of the Crimean South Coast.

(*Psilurus aristatus* (L.) Lange) = *Psilurus incurvus*

Psilurus incurvus (Gouan) Schinz & Thell.

Puccinellia bilykiana Klokov

Puccinellia brachylepis Klokov ~ *Puccinellia gigantea* aggr.

Puccinellia distans (Jacq.) Parl.

[*Puccinellia dolicholepis* V.Krecz. subsp. *fominii* (Bilyk) Tzvelev] = *Puccinellia fominii*

Puccinellia fominii Bilyk

{*Puccinellia gigantea* auct. non (Grossh.) Grossh.} = *Puccinellia brachylepis* & *Puccinellia limosa*

Puccinellia hauptiana V.Krecz.

Note: A rare casual alien known from Kiev. See discussion on *Puccinellia* in Ukraine (S. Mosyakin, 1992, Ukr. Bot. Zhurn. 49(1): 11-14).

Puccinellia limosa (Schur) E.Holmb.

Puccinellia nuttalliana (Schult.) A.S.Hitchc.

Note: A rare casual alien (one collection from Kiev).

Puccinellia poecilantha (K.Koch) Grossh.

Note: A rare casual alien (one collection from Kiev).

(*Puccinellia pseudobulbosa* (Nyár.) Nyár. ex Prodán) = *Puccinellia fominii*

(*Puccinellia pseudoconvoluta* Klokov) = *Puccinellia distans*

Puccinellia syvaschica Bilyk

Conservation status: ERL (R).

Puccinellia tenuissima Litv. ex V.Krecz.

Note: A rare casual alien (one collection from Kiev).

[*Roegneria canina* (L.) Nevski] = *Elymus caninus*

[*Roegneria panormitana* (Parl.) Nevski] = *Elymus panormitanus*

[*Roegneria trachycaulon* (Link) Nevski] = *Elymus trachycaulus*

Rostraria cristata (L.) Tzvelev

Sclerochloa dura (L.) P.Beauv.

Scleropoa rigida (L.) Griseb.

Scolochloa festucacea (Willd.) Link

****Secale cereale*** L.

(*Secale fragile* M.Bieb.) = *Secale sylvestre*

Secale sylvestre Host

(*Sesleria bielzii* Schur) = *Sesleria coerulans*

Sesleria coerulans Friv.

(*Sesleria disticha* (Wulfen) Pers.) = *Oreochloa disticha*

Sesleria heufleriana Schur

Setaria adhaerens (Forssk.) Chiov.

Note: A rare casual alien (two collection from Kiev). See discussion on *Setaria* in Ukraine (S. Mosyakin, 1989, Ukr. Bot. Zhurn. 46(5): 33-35).

(*Setaria ambigua* (Guss.) Guss. 1845, non Mérat 1836) = *Setaria verticilliformis*

(*Setaria decipiens* K.F.Schimp. ex Mansf.) = *Setaria verticilliformis*

Setaria faberi F.Herrmann

(*Setaria germanica* (Mill.) P.Beauv.) = *Setaria italica*

Setaria glauca (L.) P.Beauv.

(*Setaria gussonei* Kerguélen) = *Setaria verticilliformis*

!*Setaria italica (L.) P.Beauv.

(*Setaria lutescens* (Weigel) F.T.Hubb.) = *Setaria glauca*

(*Setaria macrocarpa* Lucznik) = *Setaria faberi*

(*Setaria pumila* (Poir.) Roem. & Schult.) = *Setaria glauca*

(*Setaria purpurascens* Opiz) = *Setaria viridis*

Setaria pycnocomma (Steud.) Henrard ex Nakai

Setaria verticillata (L.) P.Beauv.

[*Setaria verticillata* (L.) P.Beauv. subsp. *aparine* (Steud.) Durand & Schintz] = *Setaria adhaerens*

Setaria verticilliformis Dumort.

Setaria viridis (L.) P.Beauv.

[*Setaria viridis* (L.) P.Beauv. subsp. *pycnocomma* (Steud.) Tzvelev] = *Setaria pycnocomma*

(*Setaria weinmannii* Roem. & Schult.) = *Setaria viridis*

Sieglingia decumbens (L.) Bernh.

Sieglingia decumbens (L.) Bernh. subsp. *decipiens* O.Schwarz & Bässler

**Sinarundinaria nitida* (Mitford ex Stapf) Nakai

Note: Cultivated in gardens of the Crimean South Coast.

*!*Sorghum* × *almum* Parodi = *Sorghum halepense* × *Sorghum sudanense*

**Sorghum bicolor* (L.) Moench

**Sorghum cernuum* (Ard.) Host

(*Sorghum dochna* (Forssk.) Snowden) = *Sorghum saccharatum*

Sorghum halepense (L.) Pers.

*!*Sorghum saccharatum* (L.) Moench

*!*Sorghum sudanense* (Piper) Stapf

(*Sorghum vulgare* Pers.) = *Sorghum cernuum*

Stipa adoxa Klokov & Ossychnjuk ~ *Stipa syreistschikowii*

Conservation status: RDBU (1).

Stipa anomala P.Smirn. ex Roshev.

Conservation status: RDBU (1); IUCN RL (1); ERL (V).

Stipa asperella Klokov & Ossychnjuk

Conservation status: RDBU (2).

Stipa borysthenea Klokov ex Prokudin

Conservation status: RDBU (2).

Stipa brachyptera Klokov ~ *Stipa syreistschikowii*

Conservation status: RDBU (1).

Stipa brauneri (Pacz.) Klokov ~ *Stipa lessingiana*

Conservation status: RDBU (2).

Stipa capillata L.

Conservation status: RDBU (3).

Stipa dasyphylla (Czern. ex Lindem.) Trautv.

Conservation status: RDBU (2); IUCN RL (R).

Stipa disjuncta Klokov ~ *Stipa pennata*

Conservation status: RDBU (2).

Stipa donetzica Czupryna

Stipa fallacina Klokov & Ossychnjuk

Conservation status: RDBU (1).

[*Stipa glabrinoda* Klokov] = *Stipa oreades* var. *glabrinoda*

(*Stipa grafiana* Steven) = *Stipa pulcherrima*

Stipa granitcola Klokov ~ *Stipa borysthenea*

Conservation status: RDBU (2).

Stipa heterophylla Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (3).

(*Stipa joannis* Čelak.) = *Stipa pennata*

(*Stipa karadagensis* Klokov, nom. inval.) = *Stipa pulcherrima* s.l.

Note: *Stipa karadagensis* has been described by Klokov as "nomen provis.", without a Latin diagnosis.

Stipa lessingiana Trin. & Rupr.

Conservation status: RDBU (2).

[*Stipa lessingiana* Trin. & Rupr. subsp. *brauneri* Pacz.] = *Stipa brauneri*

Stipa lithophila P.Smirn.

Conservation status: RDBU (3); IUCN RL (R); ERL (R).

Stipa maecotica Klokov & Ossyecznyuk

Conservation status: RDBU (2).

Stipa majalis Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (1), including *Stipa setulosissima*.

Stipa majalis Klokov var. *setulosissima* (Klokov) Tzvelev

Stipa martinovskyi Klokov ~ *Stipa zalesskii*

Conservation status: RDBU (1).

Stipa oreades Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (2), including *Stipa glabrinoda*.

Stipa oreades Klokov var. *glabrinoda* (Klokov) Dubovik

Stipa pennata L.

Conservation status: RDBU (2).

(*Stipa pennata* L. subsp. *sabulosa* (Pacz.) Tzvelev) = *Stipa borysthenica*

Stipa poetica Klokov ~ *Stipa pontica*

Conservation status: RDBU (3).

{*Stipa pontica* auct. non P.Smirn.} = *Stipa poetica* & *Stipa heterophylla*

Stipa pulcherrima K.Koch

Conservation status: RDBU (2), as *Stipa grafiana*.

(*Stipa rubens* P.Smirn.) = *Stipa zalesskii*

(*Stipa rubens* P.Smirn. subsp. *sublaevis* Martinovsky) = *Stipa martinovskyi*

(*Stipa rubentiformis* P.Smirn.) = *Stipa zalesskii*

{*Stipa rubentiformis* auct. non P.Smirn.} = *Stipa maeotica*

(*Stipa sabulosa* (Pacz.) Sijussar.) = *Stipa borysthenica*

[*Stipa setulosissima* Klokov] = *Stipa majalis* var. *setulosissima*

(*Stipa stenophylla* (Czern. ex Lindem.) Trautv.) = *Stipa tirsia*

Stipa syreistschikowii P.Smirn.

Conservation status: RDBU (1); IUCN RL (1).

Stipa tirsia Steven

Conservation status: RDBU (2).

Stipa transcarpatica Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (1).

Stipa ucrainica P.Smirn.

Conservation status: RDBU (2).

(*Stipa ucranensis* Lam.) = *Stipa capillata*

Stipa zalesskii Wilensky

Conservation status: RDBU (2); IUCN RL (R); ERL (I).

[*Stipa zalesskii* Wilensky subsp. *ucrainica* (P.Smirm.) Tzvelev] = *Stipa ucrainica*

Taeniatherum asperum (Simonk.) Nevski

[*Taeniatherum caput-medusae* (L.) Nevski subsp. *asperum* (Simonk.) Melderis] =

Taeniatherum asperum

[*Taeniatherum caput-medusae* (L.) Nevski subsp. *crinitum* (Schreb.) Melderis] =

Taeniatherum crinitum

Taeniatherum crinitum (Schreb.) Nevski

Trachynia distachya (L.) Link

Tragus racemosus (L.) All.

(*Trisetaria cristata* (L.) Kerguelen) = *Rostraria cristata*

Trisetum alpestre (Host) P.Beauv.

{*Trisetum carpaticum* auct. non Roem. & Schult.} = *Trisetum ciliare*

Trisetum ciliare (Kit.) Domin

Trisetum flavescens (L.) P.Beauv.

Trisetum flavescens (L.) P.Beauv. subsp. *taticum* Chrtek

(*Trisetum fuscum* Roem. & Schult.) = *Trisetum ciliare*

Trisetum macrotrichum Hack.

(*Trisetum pratense* Pers.) = *Trisetum flavescens*

Trisetum rigidum (M.Bieb.) Roem. & Schult.

Trisetum sibiricum Rupr.

***Triticum aestivum** L.

Triticum boeoticum Boiss.

Conservation status: RDBU (2).

***Triticum durum** Desf.

Note: Several other species were cultivated in Ukraine in the past: *Triticum dicocon*

(Schrank) Schuebl., *T. monococcum* L., *T. polonicum* L., *T. spelta* L., *T. turgidum* L.

(*Triticum thaouidar* Reut. ex Hausskn.) = *Triticum boeoticum*

(*Typhoides arundinacea* (L.) Moench) = *Phalaroides arundinacea*

Ventenata dubia (Leers) Coss.

Vulpia bromoides (L.) S.F.Gray

Vulpia ciliata Dumort.

Vulpia myuros (L.) C.C.Gmel.

***Zea mays** L.

(*Zerna benekenii* (Lange) Lindm.) = *Bromopsis benekenii*
(*Zerna erecta* (Huds.) S.F.Gray) = *Bromopsis erecta*
(*Zerna gussonii* (Parl.) Grossh.) = *Anisantha diandra*
(*Zerna heterophylla* Klokov) = *Bromopsis heterophylla*
(*Zerna inermis* (Leyss.) Lindm.) = *Bromopsis inermis*
(*Zerna madritensis* (L.) S.F.Gray) = *Anisantha madritensis*
(*Zerna tectorum* (L.) Panz.) = *Anisantha tectorum*

?*Zingeria biebersteiniana* (Claus) P.Smirn.

Conservation status: RDBU (0); IUCN RL (I).

Note: Occurrence of this species in Crimea needs confirmation.

*!*Zizania aquatica* L.

(*Zizania dahurica* Turcz. ex Steud.) = *Zizania latifolia*

*!*Zizania latifolia* (Griseb.) Stapf

FAMILY Pontederiaceae

Monochoria korsakowii Regel & Maack

FAMILY Potamogetonaceae

(*Coleogeton pectinatus* (L.) Dostál, comb. inval.) = *Potamogeton pectinatus*

[*Coleogeton pectinatus* (L.) D.H.Les & R.R.Haynes] = *Potamogeton pectinatus*

Note: See D.H. Les & R.R. Haynes (1996, Novon 6(4): 389-391).

Potamogeton acutifolius Link

Potamogeton alpinus Balb.

Potamogeton berchtoldii Fieber ~ *Potamogeton pusillus* aggr.

Potamogeton biformis Hagstr. ~ *Potamogeton gramineus*

Note: According to A. Maemets (1979, Fl. Partis Europ. URSS 4: 482), some plants of the *P. gramineus* aggregate from the Lower Dnieper area are probably conspecific with *P. biformis*; records from Kakhovka were recently confirmed by V. Lanchenkov (1997, Bot. Zhurn. 82(7): 65-76).

Potamogeton compresus L.

Potamogeton crispus L.

Potamogeton × *decipiens* Nolte. = *Potamogeton lucens* × *Potamogeton perfoliatus*

Note: Hybrids in *Potamogeton* are insufficiently known in Ukraine. Only rather common or confirmed for Ukraine hybrids are listed here. Many other hybrids are known from adjacent territories.

Potamogeton × *fluitans* Roth = *Potamogeton lucens* × *Potamogeton natans*

Potamogeton friesii Rupr.

Potamogeton gramineus L.

Potamogeton heterophyllus Schreb. ~ *Potamogeton gramineus*

Note: See discussion on *P. gramineus* s.l. (V. Lanchenkov, 1997, Bot. Zhurn. 82(7):65-76).

{*Potamogeton interruptus* auct. non Kit.} = *Potamogeton pectinatus*

(*Potamogeton lithuanicus* Gorski) = *Potamogeton* × *decipiens*

Potamogeton lucens L.

Potamogeton natans L.

Potamogeton × *nitens* Weber = *Potamogeton gramineus* × *Potamogeton perfoliatus*

Potamogeton nodosus Poir.

Potamogeton obtusifolius Mert. & W.D.J.Koch

Potamogeton pectinatus L.

Potamogeton perfoliatus L.

Potamogeton praelongus Wulfen

Potamogeton pusillus L.

{*Potamogeton pusillus* sensu Juz., non L.} = *Potamogeton berchtoldii*

Potamogeton rutilus Wolfg.

(*Potamogeton* × *salicifolius* Wolfg.) = *Potamogeton* × *nitens*

Potamogeton sarmaticus Maemets

?**Potamogeton** × *sparganiiifolius* Laest. = *Potamogeton gramineus* × *Potamogeton natans*

(*Potamogeton* × *sterilis* Hagstr.) = *Potamogeton* × *fluitans*

Potamogeton trichoides Cham. & Schlecht.

Potamogeton × *zizii* Mert. & W.D.J.Koch = *Potamogeton gramineus* × *Potamogeton lucens*

(*Potamogeton zosterifolius* Schum.) = *Potamogeton compresus*

FAMILY Ruppiaceae

Ruppia cirrhosa (Petagna) Grande

Ruppia maritima L.

{*Ruppia maritima* L. subsp. *spiralis* (L. ex Dumort.) Asch. & Graebn.} = *Ruppia cirrhosa*

(*Ruppia spiralis* L. ex Dumort.) = *Ruppia cirrhosa*

FAMILY Ruscaceae

{*Ruscus aculeatus* auct. non L.} = *Ruscus ponticus* s.str.

***Ruscus colchicus** P.F.Yeo

Ruscus hypoglossum L.

Conservation status: RDBU (2).

{*Ruscus hypophyllum* auct. non L.} = *Ruscus colchicus*

Ruscus ponticus Woronow ex Grossh. ~ *Ruscus aculeatus*

FAMILY Scheuchzeriaceae

Scheuchzeria palustris L.

Conservation status: RDBU (1).

FAMILY Sparganiaceae

(*Sparganium affine* Schnitzl.) = *Sparganium angustifolium*

Sparganium angustifolium Michx.

Note: In Ukraine reported only from Transcarpathia; needs confirmation.

Sparganium emersum Rehman

Sparganium erectum L.

[*Sparganium erectum* L. subsp. *microcarpum* (Newman) Domin] = *Sparganium microcarpum*

[*Sparganium erectum* L. subsp. *neglectum* (Beeby) K.Richt.] = *Sparganium neglectum*

Sparganium microcarpum (Newman) Čelak.

Sparganium minimum Wallr.

(*Sparganium natans* L., nom. ambig.) = *Sparganium minimum*

Sparganium neglectum Beeby

(*Sparganium polyedrum* (Asch. & Graebn.) Juz.) = *Sparganium erectum*

(*Sparganium ramosum* Huds.) = *Sparganium erectum*

(*Sparganium ramosum* Huds. subsp. *polyedrum* Asch. & Graebn.) = *Sparganium erectum*

(*Sparganium simplex* Huds.) = *Sparganium emersum*

FAMILY Trilliaceae

Paris quadrifolia L.

FAMILY Typhaceae

(*Typha angustata* Bory & Chaub.) = *Typha domingensis*

Typha angustifolia L.

(*Typha australis* Schum. & Thonn.) = *Typha domingensis*

Typha caspica Pobed. ~ *Typha laxmannii*

Typha domingensis Pers.

Typha foveolata Pobed. ~ *Typha angustifolia*

Typha grossheimii Pobed. ~ *Typha domingensis*

Typha latifolia L.

[*Typha latifolia* L. subsp. *schuttleworthii* (W.D.J.Koch & Sond.) Stoj. & Stef.] = *Typha schuttleworthii*

Typha laxmannii Lepech.

Typha minima Funk

(*Typha pontica* Klokov f. & A.Krasnova) = *Typha angustifolia*

(*Typha salgirica* A.Krasnova) = *Typha domingensis*

Typha schuttleworthii W.D.J.Koch & Sond.

Typha sibirica A.Krasnova ~ *Typha latifolia*
(*Typha stenophylla* Fisch. & C.A.Mey.) = *Typha laxmannii*
(*Typha zerovii* Klokov f. & A.Krasnova) = *Typha laxmannii*

FAMILY Zannichelliaceae

(*Zannichellia dentata* Willd.) = *Zannichellia palustris* subsp. *polycarpa*
(*Zannichellia major* Boenn.) = *Zannichellia palustris* subsp. *polycarpa*
(*Zannichellia marina* Niels.) = *Zannichellia palustris* subsp. *polycarpa*
***Zannichellia palustris* L.**
(*Zannichellia palustris* L. subsp. *major* (C.Hartm.) Ooststr. & Reichg.) = *Zannichellia palustris* subsp. *polycarpa*
***Zannichellia palustris* L. subsp. *pedicellata* (Rosen & Wahlenb.) Hegi**
***Zannichellia palustris* L. subsp. *polycarpa* (Nolte) K.Richt.**
(*Zannichellia palustris* L. subsp. *repens* (Boenn.) Schuebl. & Martens) = *Zannichellia palustris* subsp. *palustris*
(*Zannichellia pedicellata* (Rosen & Wahlenb.) Fr.) = *Zannichellia palustris* subsp. *pedicellata*
(*Zannichellia pedunculata* Rchb.) = *Zannichellia palustris* subsp. *pedicellata*
(*Zannichellia polycarpa* Nolte) = *Zannichellia palustris* subsp. *polycarpa*
(*Zannichellia repens* Boenn.) = *Zannichellia palustris* subsp. *palustris*

FAMILY Zosteraceae

(*Zostera angustifolia* (Hornem.) Rchb.) = *Zostera marina*
***Zostera marina* L.**
(*Zostera minor* (Cavol.) Nolte ex Rchb.) = *Zostera noltii*
(*Zostera nana* Roth, nom. illeg.) = *Zostera noltii*
***Zostera noltii* Hornem.**

CLASS MAGNOLIOPSIDA (= DICOTYLEDONAE)

FAMILY Aceraceae

***Acer campestre* L.**
{*Acer cappadocicum* auct. non Gled.} = *Acer laetum*
****Acer ginnala* Maxim.**
****Acer japonicum* Thunb.**
****Acer laetum* C.A.Mey.**
****Acer monspessulanum* L.**
***!*Acer negundo* L.**

Note: A completely naturalized invasive species.

**Acer palmatum* Thunb.

**Acer pensylvanicum* L.

Acer platanoides L.

Acer pseudoplatanus L.

**Acer rubrum* L.

*!*Acer saccharinum* L.

**Acer saccharophorum* K.Koch

(*Acer saccharum* Marshall) = *Acer saccharophorum*

**Acer semenovii* Regel & Herd.

Acer stevenii Pojark.

Conservation status: ERL (I).

Acer tataricum L.

**Acer tegmentosum* Maxim.

**Acer trautvetteri* Medw.

Note: Several other species of *Acer* are cultivated in botanical gardens and arboreta.

[*Negundo aceroides* Moench] = *Acer negundo*

FAMILY Actinidiaceae

**Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq.

**Actinidia kolomikta* (Maxim.) Maxim.

(*Kolomikta mandshurica* Regel) = *Actinidia kolomikta*

FAMILY Adoxaceae

Adoxa moschatellina L.

FAMILY Amaranthaceae

(*Acnida tuberculata* Moq.) = *Amaranthus tuberculatus*

{*Acnida tamariscina* auct. non (Nutt.) Wood, excl. typo} = *Amaranthus rudis*

(*Albersia blitum* (L.) Kunth) = *Amaranthus blitum*

Amaranthus albus L.

(*Amaranthus angustifolius* Lam.) = *Amaranthus graecizans* subsp. *graecizans*

Amaranthus blitoides S.Watson

Amaranthus blitum L.

?*Amaranthus bouchonii* Thell.

Note: This species may be expected in Ukraine; however, no reliable records are available yet.

***!Amaranthus caudatus L.**

***!Amaranthus caudatus L. subsp. saueri** Jehlik

(*Amaranthus chlorostachys* Willd., nom. ambig.) = *Amaranthus hybridus*

(*Amaranthus chlorostachys* Willd. var. *erythrostachys* (Moq.) Aellen) = *Amaranthus hypochondriacus*

(*Amaranthus chlorostachys* Willd. var. *pseudoretroflexus* Thell.) = *Amaranthus powellii*

Amaranthus crispus (Lesp. & Thev.) N.Terracc.

***!Amaranthus cruentus L.**

Amaranthus deflexus L.

Amaranthus graecizans L.

Amaranthus graecizans L. subsp. sylvestris (Vill.) Brenan

Amaranthus hybridus L.

Note: *Amaranthus hybridus* s.str. is a rare casual alien known in Ukraine from Kiev.

{*Amaranthus hybridus* auct. non L.} = *Amaranthus powellii*

Note: Almost all Ukrainian records of *A. hybridus* in fact belong to *A. powellii*.

(*Amaranthus hybridus* subsp. *hypochondriacus* (L.) Thell.) = *Amaranthus hypochondriacus*

(*Amaranthus hybridus* L. var. *erythrostachys* Moq.) = *Amaranthus hypochondriacus*

***!Amaranthus hypochondriacus L.**

(*Amaranthus leucocarpus* S.Watson) = *Amaranthus hypochondriacus*

(*Amaranthus leucospermus* S.Watson, nom. illeg.) = *Amaranthus hypochondriacus*

{*Amaranthus leucospermus* auct. non S.Watson} = *Amaranthus caudatus* subsp. *saueri*

(*Amaranthus lividus* L.) = *Amaranthus blitum* L.

Amaranthus palmeri S.Watson

Note: A rare casual alien, first collected in Kiev in 1989; no new collections available.

See discussion on *Amaranthus* in Ukraine (S. Mosyakin, 1995; Ukr. Bot. Zhurn. 52(2): 65-74).

(*Amaranthus paniculatus* L.) = *Amaranthus cruentus*

(*Amaranthus patulus* Bertol.) = *Amaranthus hybridus*

Amaranthus powellii S.Watson

Amaranthus retroflexus L.

Amaranthus rudis Sauer

Note: A rare casual alien (several collection from Kiev and SE Ukraine, along railroad; now probably disappeared).

Amaranthus × soproniensis Priszter & Karpati = *Amaranthus powellii* × *Amaranthus retroflexus*

Amaranthus spinosus L.

[*Amaranthus sylvestris* Vill.] = *Amaranthus graecizans* subsp. *sylvestris*

{*Amaranthus tamariscinus* auct. non Nutt.} = *Amaranthus rudis*

Amaranthus tuberculatus (Moq.) Sauer

Note: A rare casual alien (one collection from Kiev, now disappeared).

[*Celosia argentea* L. var. *cristata* (L.) O.Kuntze] = *Celosia cristata*

(*Euxolus crispus* Lesp. & Thev.) = *Amaranthus crispus*

**Gomphrena globosa* L.

FAMILY Anacardiaceae

Cotinus coggygria Scop.

[*Pistacia atlantica* Desf. subsp. *mutica* (Fisch. & C.A.Mey.) Rech.f.] = *Pistacia mutica*

Pistacia mutica Fisch. & C.A.Mey.

Conservation status: RDBU (2).

**Pistacia vera* L.

Rhus coriaria L.

(*Rhus cotinus* L.) = *Cotinus coggygria*

**Rhus glabra* L.

(*Rhus hirta* (L.) Sudw., non Harv.) = *Rhus typhina*

[*Rhus radicans* L.] = *Toxicodendron radicans*

[*Rhus toxicodendron* L.] = *Toxicodendron pubescens*

**Rhus typhina* L.

[*Rhus verniciflua* Stokes] = *Toxicodendron vernicifluum*

**Toxicodendron pubescens* Mill.

*!*Toxicodendron radicans* (L.) O.Kuntze

Note: Locally escaped and naturalized (e.g., in Bila Tserkva, Kiev Region).

**Toxicodendron vernicifluum* (Stokes) Lincz.

FAMILY Apiaceae

Aegopodium podagraria L.

Aethusa cynapium L.

Ammi majus L.

(*Anethum foeniculum* L.) = *Foeniculum vulgare*

*!*Anethum graveolens* L.

Note: Widely cultivated, occasionally occurs as escaped; doubtfully native in Crimea.

[*Angelica archangelica* L.] = *Archangelica officinalis*

[*Angelica montana* Brot.] = *Angelica sylvestris* subsp. *montana*

[*Angelica palustris* (Besser) Hoffm.] = *Ostericum palustre*

***Angelica sylvestris* L.**

***Angelica sylvestris* L. subsp. *montana* (Brot.) Arcang.**

Note: This subspecies was reported for the Carpathians (see Tassenkevich, 1998); no localities cited.

[*Anisum vulgare* P.Gaertn.] = *Pimpinella anisum*

(*Anthriscus alpestris* Wimmer & Grab.) = *Anthriscus nitida*

***Anthriscus caucalis* M.Bieb.**

***Anthriscus cerefolium* (L.) Hoffm.**

(*Anthriscus longirostris* Bertol.) = *Anthriscus cerefolium*

***Anthriscus nemorosa* (M.Bieb.) Spreng.**

***Anthriscus nitida* (Wahlenb.) Hazsl.**

(*Anthriscus sativum* Besser) = *Anthriscus cerefolium*

(*Anthriscus scandicina* (Weber) Mansf.) = *Anthriscus caucalis*

(*Anthriscus scandix* (Scop.) Asch., nom. illeg.) = *Anthriscus caucalis*

***Anthriscus sylvestris* (L.) Hoffm.**

(*Anthriscus trichosperma* Spreng., non Pers.) = *Anthriscus longirostris*

(*Apium anisum* (L.) Crantz) = *Pimpinella anisum*

(*Apium crispum* Mill.) = *Petroselinum crispum*

***Apium graveolens* L.**

Note: Widely cultivated, occasionally occurs as escaped; doubtfully native in Crimea.

(*Apium petroselinum* L.) = *Petroselinum crispum*

***Archangelica officinalis* Hoffm.**

***Astrantia major* L.**

Conservation status: RDBU (2).

***Astrodaucus littoralis* (M.Bieb.) Drude**

Conservation status: RDBU (4).

***Astrodaucus orientalis* (L.) Drude**

[*Berula erecta* (Huds.) Coville] = *Siella erecta*

***Bifora radians* M.Bieb.**

***Bunium ferulaceum* Smith**

[*Bunium luteum* Hoffm.] = *Elaeosticta lutea*

Bupleurum affine Sadler
Bupleurum asperuloides Heldr. ex Boiss.
(*Bupleurum baldense* M.Bieb.) = *Bupleurum woronowii*
Bupleurum brachiatum K.Koch
Bupleurum exaltatum M.Bieb.
(*Bupleurum commutatum* auct.) = *Bupleurum gerardii*
Bupleurum falcatum L.
(*Bupleurum fontanesi* Guss.) = *Bupleurum odontites*
*!**Bupleurum fruticosum** L.
Bupleurum gerardii All.
(*Bupleurum gracile* (M.Bieb.) DC.) = *Bupleurum marschallianum*
(*Bupleurum junceum* M.Bieb.) = *Bupleurum pauciradiatum*
Bupleurum longifolium L.
(*Bupleurum longifolium* L. subsp. *vapincense* (Vill.) Todor) = *Bupleurum longifolium*
Bupleurum marschallianum C.A.Mey.
Bupleurum odontites L.
Bupleurum pauciradiatum Fenzl ex Boiss.
Bupleurum ranunculoides L.
(*Bupleurum rossicum* (Koso-Pol.) Woronow) = *Bupleurum falcatum*
Bupleurum rotundifolium L.
Bupleurum subfalcatum Schur
Bupleurum tenuissimum L.
(*Bupleurum vapincense* Vill.) = *Bupleurum longifolium*
Bupleurum woronowii Manden.

(*Cachrys odontalgica* Pall.) = *Prangos odontalgica*

(*Cachrys alpina* M.Bieb.) = *Prangos trifida*

(*Calestania palustris* (L.) Koso-Pol.) = *Peucedanum palustre*

Carum carvi L.

(*Caucalis arvensis* Huds.) = *Torilis arvensis*

Caucalis bischoffii Koso-Pol.

(*Caucalis grandiflora* L.) = *Orlaja grandiflora*

(*Caucalis heterophylla* (Guss.) Arcang.) = *Torilis heterophylla*

(*Caucalis japonica* Houtt.) = *Torilis japonica*

(*Caucalis lappula* (Weber) Grande) = *Caucalis platycarpus*

[*Caucalis latifolia* L.] = *Turgenia latifolia*

(*Caucalis leptophylla* L.) = *Torilis leptophylla*

[*Caucalis littoralis* M.Bieb.] = *Astrodaucus littoralis*

(*Caucalis muricata* Bisch., nom. illeg.) = *Caucalis bischoffii*

(*Caucalis nodosa* (L.) Crantz) = *Torilis nodosa*

***Caucalis platycarpus* L.**

[*Caucalis platycarpus* L. subsp. *muricata* (Bisch. ex Čelak.) V.N.Tichomirov] = *Caucalis bischoffii*

(*Caucalis orientalis* L.) = *Astrodaucus orientalis*

(*Caucalis xanthotricha* Steven) = *Torilis xanthotricha*

***Cenolophium denudatum* (Hornem.) Tutin**

(*Cenolophium fischeri* (Spreng.) W.D.J.Koch & DC.) = *Cenolophium denudatum*

***Chaerophyllum aromaticum* L.**

***Chaerophyllum aureum* L.**

***Chaerophyllum bulbosum* L.**

(*Chaerophyllum cicutaria* Vill.) = *Chaerophyllum hirsutum*

***Chaerophyllum hirsutum* L.**

(*Chaerophyllum maculatum* Willd. ex DC.) = *Chaerophyllum aureum*

***Chaerophyllum prescottii* DC.**

***Chaerophyllum temulum* L.**

***Cicuta virosa* L.**

***Cnidium dubium* (Schkuhr) Thell.**

(*Cnidium fischeri* Spreng.) = *Cenolophium denudatum*

(*Cnidium venosum* (Hoffm.) W.D.J.Koch, nom. illeg.) = *Cnidium dubium*

***Conioselinum tataricum* Hoffm.**

(*Conioselinum vaginatum* Thell.) = *Conioselinum tataricum*

***Conium maculatum* L.**

***!*Coriandrum sativum* L.**

***Crithmum maritimum* L.**

(*Danaa nudicaulis* (M.Bieb.) Grossh.) = *Physospermum cornubiense*

(*Daucus australis* Kotov) = *Daucus carota*

***Daucus carota* L.**

(*Daucus bessarabicus* DC.) = *Astrodaucus littoralis*

(*Daucus pulcherrimus* W.D.J.Koch) = *Astrodaucus orientalis*

****Daucus sativus* (Hoffm.) Roehl.**

Echinophora sibthorpiana Guss.

(*Echinophora tenuifolia* M.Bieb.) = *Echinophora sibthorpiana*

Elaeosticta lutea (Hoffm.) Kljuykov, M.Pimen. & V.N.Tichomirov

Eriosynaphe longifolia (Fisch. ex Spreng.) DC.

Eryngium campestre L.

Eryngium maritimum L.

Eryngium planum L.

(*Falcaria neglectissima* Klokov) = *Falcaria vulgaris*

(*Falcaria sioides* (Wibb.) Asch.) = *Falcaria vulgaris*

Falcaria vulgaris Bernh.

(*Ferula campestris* Besser) = *Ferulago galbanifera*

Ferula caspica M.Bieb.

Ferula euxina M.Pimen. ~ *Ferula orientalis* s.l.

(*Ferula longifolia* Fisch.) = *Eriosynaphe longifolia*

{*Ferula orientalis* auct. non L.} = *Ferula euxina*

(*Ferula sylvatica* Besser) = *Ferulago sylvatica*

Ferula tatarica Fisch. ex Spreng.

(*Ferulago campestris* (Besser) Grecescu) = *Ferulago galbanifera*

Ferulago galbanifera (Mill.) W.D.J.Koch

Ferulago sylvatica (Besser) Rchb.

Ferulago taurica Schischk.

(*Foeniculum officinale* All.) = *Foeniculum vulgare*

*!**Foeniculum vulgare** Mill.

[*Gasparrinia peucedanoides* (M.Bieb.) Thell.] = *Seseli peucedanoides*

(*Gasparrinia donetzica* Dubovik) = *Seseli peucedanoides*

Heracleum carpaticum Porcius

Conservation status: IUCN RL (R); ERL (V).

{*Heracleum caucasicum* auct. non Steven} = *Heracleum mantegazzianum*

(*Heracleum giganteum* Hornem.) = *Heracleum mantegazzianum*

(*Heracleum grossheimii* Manden.) = *Heracleum mantegazzianum*

Heracleum ligusticifolium M.Bieb.

Conservation status: ERL (R).

***!Heracleum mantegazzianum** Sommier & Levier

Note: For early records of this invasive species in Ukraine, see J. Berko (1964, Ukr. Bot. Zhurn. 21(4): 104-106).

Heracleum palmatum Baumg.

Heracleum pubescens (Hoffm.) M.Bieb.

Conservation status: RDBU (1); IUCN RL (1); ERL (1).

Heracleum sibiricum L.

***!Heracleum sosnowskyi** Manden.

Note: A locally naturalized invasive species.

Heracleum sphondylium L.

[*Heracleum sphondylium* L. subsp. *carpaticum* (Porcius) Soó] = *Heracleum carpaticum*

[*Heracleum sphondylium* L. subsp. *sibiricum* (L.) Simonk.] = *Heracleum sibiricum*

[*Heracleum sphondylium* L. subsp. *trachycarpum* (Soják) Holub] = *Heracleum trachycarpum*

(*Heracleum sphondylium* L. subsp. *transsilvanicum* (Schur) Brummit) = *Heracleum palmatum*

Heracleum stevenii Manden.

Heracleum trachycarpum Soják ~ *Heracleum sphondylium*

Note: Reported for the Ukrainian Carpathians by J. Soják (see Tassenkevich, 1998).
(*Heracleum transsilvanicum* Schur) = *Heracleum palmatum*

Hydrocotyle vulgaris L.

Conservation status: RDBU (2).

[*Kadenia dubia* (Schkuhr) Lavrova & V.N.Tichomirov] = *Cnidium dubium*

Lagoecia cuminoides L.

Laser trilobum (L.) Borkh.

Laserpitium alpinum Waldst. & Kit.

Laserpitium hispidum M.Bieb.

{*Laserpitium knapfii* auct. non Crantz} = *Laserpitium alpinum*

Laserpitium latifolium L.

Laserpitium prutenicum L.

(*Laserpitium trilobum* L.) = *Laser trilobum*

***!Levisticum officinale** W.D.J.Koch

[*Libanotis intermedia* Rupr.] = *Seseli libanotis* subsp. *intermedium*

[*Libanotis montana* Crantz] = *Seseli libanotis*

(*Libanotis pyrenaica* (L.) Bourg.) = *Seseli libanotis*

{*Libanotis sibirica* auct. non C.A.Mey.} = *Seseli libanotis* subsp. *intermedium*
(*Libanotis taurica* N.I.Rubtzov) = *Seseli libanotis* subsp. *intermedium*

(*Ligusticum levisticum* L.) = *Levisticum officinale*
Ligusticum mutellina (L.) Crantz
(*Ligusticum meum* Crantz) = *Meum athamanticum*

(*Malabaila graveolens* (Spreng.) Hoffm.) = *Pastinaca clausii*

(*Meum anethifolium* P.Gaertn., B.Mey. & Scherb.) = *Meum athamanticum*
Meum athamanticum Jacq.
(*Meum mutellina* (L.) Gaertn.) = *Ligusticum mutellina*

(*Mutellina purpurea* (Poir.) Thell.) = *Ligusticum mutellina*

*!*Myrrhis odorata* (L.) Scop.

Oenanthe aquatica (L.) Poir.
Oenanthe banatica Heuff.
(*Oenanthe media* Griseb.) = *Oenanthe silaifolia*
(*Oenanthe phellandrium* Lam.) = *Oenanthe aquatica*
Oenanthe pimpinelloides L.
(*Oenanthe radiata* Sakalo) = *Oenanthe silaifolia*
Oenanthe silaifolia M.Bieb.
Orlaya daucooides (L.) Greuter
Orlaya grandiflora (L.) Hoffm.
(*Orlaya platycarpus* (L.) W.D.J.Koch) = *Orlaya daucooides*

Ostericum palustre (Besser) Besser

(*Palimbia rediviva* (Pall.) Thell.) = *Palimbia salsa*

Palimbia salsa (L.f.) Besser

?***Palimbia turgaica*** Lipsky & Woronow

Note: Reported from two localities in Donetsk and Kharkiv regions (Fl. Ukr. 1955, 7: 582); needs confirmation.

(*Pastinaca biebersteinii* Galushko) = *Pastinaca clausii*

Pastinaca clausii (Ledeb.) M.Pimen.

(*Pastinaca heracleoides* (Boros) Kotov) = *Pastinaca sylvestris* ?

Note: The taxonomic identity of *P. heracleoides* is dubious.

(*Pastinaca opaca* Bernh. ex Hornem.) = *Pastinaca umbrosa*

(*Pastinaca pratensis* Mart.) = *Pastinaca sylvestris*

(*Pastinaca pubescens* (Hoffm.) Calest.) = *Heracleum pubescens*

****Pastinaca sativa* L.**

[*Pastinaca sativa* L. subsp. *sylvestris* (Mill.) Rouy & Camus] = *Pastinaca sylvestris*

(*Pastinaca sativa* L. subsp. *umbrosa* (Steven ex DC.) Bondar.) = *Pastinaca umbrosa*

[*Pastinaca sativa* L. subsp. *urens* (Req. ex Godr.) Čelak.] = *Pastinaca umbrosa*

***Pastinaca sylvestris* Mill.**

***Pastinaca umbrosa* Steven ex DC.**

(*Pastinaca urens* Req. ex Godr.) = *Pastinaca umbrosa*

*!***Petroselinum crispum* (Mill.) A.W.Hill**

(*Petroselinum sativum* Hoffm.) = *Petroselinum crispum*

***Peucedanum alsaticum* L. aggr.**

Note: This aggregate is represented in Ukraine by a closely related taxon *P. lubimenkoanum*; the species rank of the latter is problematic.

[*Peucedanum arenarium* Waldst. & Kit.] = *Taeniopetalum arenarium*

[*Peucedanum borysthenticum* Klokov ex Schischk.] = *Taeniopetalum borysthenticum*

***Peucedanum carvifolia* Vill.**

***Peucedanum cervaria* (L.) Lapeyr.**

(*Peucedanum chabraei* (Jacq.) Rechb.) = *Peucedanum carvifolia*

Peucedanum euphimiae* Kotov ~ *Peucedanum carvifolia

***Peucedanum latifolium* DC.**

***Peucedanum lubimenkoanum* Kotov ~ *Peucedanum alsaticum* aggr.**

(*Peucedanum macrophyllum* Schischk.) = *Peucedanum latifolium*

***Peucedanum oreoselinum* (L.) Moench**

***Peucedanum palustre* (L.) Moench**

(*Peucedanum podolicum* (Besser) Eichw.) = *Peucedanum carvifolia*

***Peucedanum ruthenicum* M.Bieb.**

(*Peucedanum schottii* Besser ex DC.) = *Peucedanum carvifolia*

***Peucedanum tauricum* M.Bieb.**

***Physocaulis nodosus* (L.) W.D.J.Koch**

***Physospermum cornubiense* (L.) DC.**

(*Physospermum danaa* (M.Bieb.) Schischk. ex N.I.Rubtzov) = *Physospermum cornubiense*

*!***Pimpinella anisum* L.**

(*Pimpinella dissecta* Retz.) = *Pimpinella saxifraga*

***Pimpinella lithophila* Schischk. ~ *Pimpinella tragiun* aggr.**

(*Pimpinella magna* L.) = *Pimpinella major*

***Pimpinella major* (L.) Huds.**

[*Pimpinella nigra* Mill.] = *Pimpinella saxifraga* subsp. *nigra*

Pimpinella peregrina L.

Pimpinella saxifraga L.

Pimpinella saxifraga L. subsp. *montana* Weide ~ *Pimpinella saxifraga* s.str.

Note: Reported for the Carpathians (Tasenkevich, 1998); no localities cited.

Pimpinella saxifraga L. subsp. *nigra* (Mill.) Gaudin

Note: See Tasenkevich, 1998.

(*Pimpinella taurica* (Ledeb.) Steud.) = *Pimpinella peregrina*

Pimpinella titanophila Woronow ~ *Pimpinella tragium* aggr.

{*Pimpinella tragium* auct. non Vill.} = *Pimpinella titanophilla*

Pleurospermum austriacum (L.) Hoffm.

Prangos odontalgica (Pall.) Herrnst. & Heyn

Prangos trifida (Mill.) Herrnst. & Heyn

Conservation status: RDBU (3); ERL (R).

Rumia crithmifolia (Willd.) Koso-Pol.

Conservation status: IUCN RL (R), as *Trinia crithmifolia*; ERL (R).

(*Rumia taurica* Hoffm.) = *Rumia crithmifolia*

Sanicula europaea L.

(*Scandix anthriscus* L.) = *Anthriscus caucalis*

{*Scandix falcata* auct. non Lodes} = *Scandix taurica*

Scandix macrorhyncha C.A.Mey. ~ *Scandix pecten-veneris*

[*Scandix odorata* L.] = *Myrrhis odorata*

Scandix pecten-veneris L.

[*Scandix pecten-veneris* L. subsp. *macrorhyncha* (C.A.Mey.) Rouy & Camus] = *Scandix macrorhyncha*

(*Scandix pinnatifida* Benth.) = *Scandix stellata*

(*Scandix pontica* (Vierh.) Stank.) = *Scandix taurica*

Scandix stellata Banks & Sol.

Scandix taurica Steven

Selinium carvifolia (L.) L.

[*Selinium cervaria* L.] = *Peucedanum cervaria*

[*Selinium palustre* L.] = *Peucedanum palustre*

Seseli annuum L.

(*Seseli arenarium* M.Bieb.) = *Seseli tortuosum*

Seseli campestre Besser

(*Seseli carvifolia* L.) = *Selinium carvifolia*

Seseli dichotomum Pall. ex M.Bieb.

(*Seseli dubium* Schkuhr) = *Cnidium dubium*

[*Seseli elatum* subsp. *osseum* (Crantz) P.W.Ball] = *Seseli osseum*

(*Seseli elegans* Schischk.) = *Seseli peucedanoides*

Seseli gummiferum Pall. ex Smith

Seseli hippomarathrum Jacq.

(*Seseli intermedium* (Rupr.) V.Vodopianova) = *Seseli libanotis* subsp. *intermedium*

Seseli lehmannii Degen

Conservation status: IUCN RL (R); ERL (R).

Seseli libanotis (L.) W.D.J.Koch

Seseli libanotis (L.) W.D.J.Koch subsp. **intermedium** (Rupr.) P.W.Ball

?**Seseli osseum** Crantz

Note: Records from the Ukrainian Carpathians need confirmation.

Seseli pallasii Besser

Seseli pauciradiatum Schischk.

Seseli peucedanifolium Besser

Seseli peucedanoides (M.Bieb.) Koso-Pol.

Seseli tenderiense Kotov

Seseli tortuosum L.

Seseli varium Trev.

Siella erecta (Huds.) M.Pimen.

(*Silaum alpestre* (L.) Thell.) = *Silaum silaus*

Silaum silaus (L.) Schinz & Thell.

(*Silaus besseri* DC.) = *Silaum silaus*

(*Silaus pratensis* (Crantz) Besser) = *Silaum silaus*

(*Sium lancifolium* M.Bieb.) = *Sium sisaroideum*

Sium latifolium L.

Sium sisaroideum DC.

Smyrnum olusatrum L.

Smyrnum perfoliatum L.

Taeniopetalum arenarium (Waldst. & Kit.) V.N.Tichomirov

Taeniopetalum borysthenticum (Klokov ex Schischk.) Klokov ~ *Taeniopetalum arenarium*

Taeniopetalum tanaiticum Klokov ~ *Taeniopetalum arenarium*

[*Thyselium palustre* (L.) Raf.] = *Peucedanum palustre*

Tordylium maximum L.

(*Torilis anthriscus* (L.) C.C.Gmel.) = *Torilis japonica*

Torilis arvensis (Huds.) Link.

Torilis heterophylla Guss.

(*Torilis heterosperma* Steven) = *Torilis heterophylla*

Torilis japonica (Houtt.) DC.

Torilis leptophylla (L.) Rchb.

(*Torilis microcarpa* Andrz.) = *Torilis ucrainica*

Torilis nodosa (L.) P.Gaertn.

Torilis radiata Moench

Torilis ucrainica Spreng.

Torilis xanthotricha (Steven) Stank.

Trinia biebersteinii Fedoronczuk

Conservation status: RDBU (2); IUCN RL (R), as "*Trinia kitaibelii* auct., non Bieb.";
ERL (R).

[*Trinia crithmifolia* (Willd.) H.Wolff] = *Rumia crithmifolia*

Trinia glauca (L.) Dumort.

{*Trinia henningii* auct. non Hoffm.} = *Trinia multicaulis*

Trinia hispida Hoffm.

{*Trinia hoffmanii* auct. non M.Bieb.} = *Trinia hispida*

Trinia kitaibelii M.Bieb.

{*Trinia kitaibelii* sensu Schischk., non M.Bieb.} = *Trinia biebersteinii*

Trinia multicaulis Schischk.

(*Trinia stankovii* Schischk.) = *Trinia glauca*

(*Trinia ucrainica* Schischk.) = *Trinia kitaibelii*

Turgenia latifolia (L.) Hoffm.

[*Xanthoselinum alsaticum* (L.) Schur] = *Peucedanum alsaticum* aggr.

[*Xanthoselinum lubimenkoanum* (Kotov) Fedoronczuk, comb. provis.] = *Peucedanum*
lubimenkoanum

FAMILY Apocynaceae

(*Apocynum rusanovii* Pobed.) = *Trachomitum rusanovii*

(*Apocynum sarmatiense* (Woodson) Wissjul.) = *Trachomitum sarmatiense*

(*Apocynum syriacum* (L.) Clus.) = *Asclepias syriaca*

(*Apocynum tauricum* Pobed.) = *Trachomitum tauricum*

**Nerium oleander* L.

Trachomitum rusanovii (Pobed.) Pobed.

Trachomitum sarmatiense Woodson

Trachomitum tauricum (Pobed.) Pobed.

Conservation status: ERL (R).

Vinca herbacea Waldst. & Kit.

*!*Vinca major* L.

Vinca minor L.

FAMILY Aquifoliaceae

**Ilex aquifolium* L.

Note: Four other species of *Ilex* are occasionally cultivated in botanical gardens and parks.

FAMILY Araliaceae

Hedera helix L.

(*Hedera quinquefolia* L.) = *Parthenocissus quinquefolia*

Note: See family Vitaceae.

Hedera taurica Carrière

FAMILY Aristolochiaceae

Aristolochia clematitis L.

Asarum europaeum L.

FAMILY Asclepiadaceae

(*Antitoxicum cretaceum* Pobed.) = *Vincetoxicum hirunginaria*

(*Antitoxicum intermedium* (Taliev) Pobed.) = *Vincetoxicum intermedium*

(*Antitoxicum jailicola* (Juz.) Pobed.) = *Vincetoxicum jailicola*

(*Antitoxicum juzepczukii* Pobed.) = *Vincetoxicum juzepczukii*

(*Antitoxicum laxum* (Bartl.) Pobed.) = *Vincetoxicum hirundinaria*

(*Antitoxicum maeoticum* (Kleopow) Pobed.) = *Vincetoxicum maeoticum*

(*Antitoxicum minus* (K.Koch) Pobed.) = *Vincetoxicum fuscatum*

(*Antitoxicum officinale* (Moench) Pobed.) = *Vincetoxicum hirundinaria*

(*Antitoxicum rossicum* (Kleopow) Pobed.) = *Vincetoxicum rossicum*

(*Antitoxicum scandens* Sommier & Levier) = *Vincetoxicum scandens*

(*Antitoxicum schmalhausenii* (Kusn.) Pobed.) = *Vincetoxicum schmalhausenii*

(*Antitoxicum stepposum* Pobed.) = *Vincetoxicum albowianum*
(*Antitoxicum tauricum* (Pobed.) Pobed.) = *Vincetoxicum tauricum*

(*Asclepias cornuti* Decne) = *Asclepias syriaca*

***Asclepias syriaca* L.**

(*Asclepias vincetoxicum* L.) = *Vincetoxicum hirundinaria*

***Cynanchum acutum* L.**

(*Cynanchum jaiilicola* (Juz.) Juz.) = *Vincetoxicum jaiilicola*

(*Cynanchum juzepczukii* (Pobed.) Borhidi) = *Vincetoxicum juzepczukii*

(*Cynanchum laxum* Bartl.) = *Vincetoxicum laxum*

(*Cynanchum maeoticum* Kleopow) = *Vincetoxicum maeoticum*

(*Cynanchum minus* K.Koch) = *Vincetoxicum fuscatum*

(*Cynanchum rossicum* (Kleopow) Borhidi) = *Vincetoxicum rossicum*

(*Cynanchum schmalhauseni* Kusn.) = *Vincetoxicum schmalhauseni*

***Periploca graeca* L.**

***Vincetoxicum albowianum* (Kusn.) Pobed.**

(*Vincetoxicum cretaceum* (Pobed.) Wissjul.) = *Vincetoxicum hirundinaria*

***Vincetoxicum donetzcium* Ostapko**

Note: For additional information about this and other recently described species, see
(V. Ostapko, 1995, Ukr. Bot. Zhurn. 52(2): 271-276).

***Vincetoxicum flavum* Ostapko**

***Vincetoxicum fuscatum* (Hornem.) Endl.**

{*Vincetoxicum fuscatum* auct. non (Hornem.) Endl.} = *Vincetoxicum maeoticum* &
Vincetoxicum intermedium

***Vincetoxicum hirundinaria* Medik.**

(*Vincetoxicum hirundinaria* Medik. subsp. *jaiilicola* (Juz.) Markgraf) = *Vincetoxicum jaiilicola*

***Vincetoxicum intermedium* Taliev**

Conservation status: ERL (I).

***Vincetoxicum jaiilicola* Juz.**

Conservation status: ERL (I).

***Vincetoxicum juzepczukii* (Pobed.) Privalova ex Wissjul.**

(*Vincetoxicum laxum* (Bartl.) Gren. & Godr.) = *Vincetoxicum hirundinaria*

(*Vincetoxicum laxum* Bartl.) Gren. & Godr. var. *jaiilicola* (Juz.) Wissjul.) = *Vincetoxicum jaiilicola*

***Vincetoxicum maeoticum* (Kleopow) Barbar.**

Conservation status: ERL (R).

(*Vincetoxicum minus* (K.Koch) K.Koch) = *Vincetoxicum fuscatum*

(*Vincetoxicum officinale* Moench) = *Vincetoxicum hirundinaria*

{*Vincetoxicum officinale* auct. non Moench} = *Vincetoxicum albovianum*

Vincetoxicum rossicum (Klokov) Barber

Conservation status: IUCN RL (R).

Vincetoxicum scandens Sommier & Levier

Vincetoxicum schmalhausense (Kusn.) Stank.

(*Vincetoxicum stepposum* (Pobed.) A.Löve & D.Löve) = *Vincetoxicum albovianum*

Vincetoxicum tauricum Pobed.

Conservation status: ERL (I).

Vincetoxicum ucrainicum Ostapko

FAMILY Asteraceae

[*Acanthoxanthium spinosum* (L.) Fourr.] = *Xanthium spinosum*

{*Achillea asplenifolia* auct. non Vent.} = *Achillea euxina*

Achillea birjuczensis Klokov

(*Achillea borysthenica* Klokov & Sakalo) = *Ptarmica salicifolia*

(*Achillea cancrinii* Grun.) = *Achillea micrantha*

Achillea carpatica Blocki ex Dubovik

[*Achillea cartilaginea* Ledeb. ex Rchb.] = *Ptarmica cartilaginea*

Achillea coarctata Poir.

Achillea collina J.Becker ex Rchb.

(*Achillea compacta* Willd. 1804, non Lam. 1783) = *Achillea coarctata*

(*Achillea dentifera* DC.) = *Achillea distans*

Achillea distans Waldst. & Kit.

(*Achillea distans* Waldst. & Kit. subsp. *tanacetifolia* (All.) Janchen) = *Achillea subtanacetifolia*

Achillea euxina Klokov

?*Achillea filipendulina* Lam.

Note: Uncertain records from Transcarpathia (as introduced) and Crimea (as a native species).

(*Achillea gerberi* Willd.) = *Achillea micrantha*

Achillea glaberrima Klokov

Conservation status: RDBU (I); ERL (V).

(*Achillea glomerata* M.Bieb.) = *Achillea coarctata*

Achillea × *illiczevskiyi* Tzvelev = *Achillea micrantha* × *Achillea collina*

Achillea inundata Kondr.

(*Achillea kitaibeiana* Soó) = *Achillea ochroleuca*

Achillea leptophylla M.Bieb.

Achillea × *leptophylloides* Tzvelev = *Achillea leptophylla* × *Achillea setacea*

[*Achillea lingulata* Waldst. & Kit.] = *Ptarmica lingulata*

Achillea micrantha Willd.

Achillea micranthoides Klokov

Achillea millefolium L.

(*Achillea millefolium* L. subsp. *collina* (J.Becker ex Rchb.) Weiss) = *Achillea collina*

(*Achillea millefolium* L. subsp. *pannonica* (Scheele) Hayek) = *Achillea pannonica*

(*Achillea millefolium* L. subsp. *setacea* (Waldst. & Kit.) Weiss) = *Achillea setacea*

{*Achillea millefolium* L. subsp. *sudetica* auct. non (Opiz) Weiss} = *Achillea carpatica*

Achillea neilreichii A.Kern. ~ *Achillea nobilis*

Achillea nobilis L.

[*Achillea nobilis* L. subsp. *neilreichii* (A.Kern.) Velen.] = *Achillea neilreichii*

Achillea ochroleuca Ehrh.

(*Achillea oxyloba* (DC.) Sch.Bip. subsp. *schuri* (Sch.Bip.) Heimerl) = *Ptarmica tenuifolia*

Achillea pannonica Scheele

(*Achillea pectinata* Willd. 1804, non Lam. 1783) = *Achillea ochroleuca*

[*Achillea ptarmica* L.] = *Ptarmica vulgaris*

[*Achillea salicifolia* Besser] = *Ptarmica salicifolia*

[*Achillea schuri* Sch.Bip.] = *Ptarmica tenuifolia*

Achillea setacea Waldst. & Kit.

Achillea stepposa Klokov & Krytzka

Achillea stricta Schleich. ex Gremli ~ *Achillea distans*

Achillea × **submicrantha** Tzvelev = *Achillea micrantha* × *Achillea setacea*

Achillea submillefolium Klokov & Krytzka ~ *Achillea millefolium*

{*Achillea submillefolium* auct. non Klokov & Krytzka} = *Achillea millefolium* & *Achillea collina*

Achillea subtanacetifolia Tzvelev ~ *Achillea distans*

Achillea × **subtaurica** Tzvelev = *Achillea setacea* × *Achillea taurica*

{*Achillea sudetica* auct. non Opiz} = *Achillea carpatica*

(*Achillea tanacetifolia* All. 1785, non Mill. 1768) = *Achillea subtanacetifolia*

Achillea taurica M.Bieb.

(*Achyrophorus maculatus* (L.) Scop.) = *Hypochaeris maculata*

(*Achyrophorus radicans* (L.) Scop.) = *Hypochaeris radicata*

(*Achyrophorus uniflorus* (Vill.) Bluff & Fingerh.) = *Hypochaeris uniflora*

(*Acosta aemulans* (Klokov) Holub) = *Centaurea aemulans*

(*Acosta arenaria* (M.Bieb.) Soják) = *Centaurea arenaria*

(*Acosta besseriana* (DC.) Soják) = *Centaurea besseriana*

(*Acosta biebersteinii* (DC.) Dostál) = *Centaurea biebersteinii*

(*Acosta borysthenea* (Grun.) Soják) = *Centaurea borysthenea*

(*Acosta diffusa* (Lam.) Soják) = *Centaurea diffusa*

(*Acosta odessana* (Prod.) Soják) = *Centaurea odessana*

(*Acosta pseudomaculosa* (Dobroc.) Soják) = *Centaurea pseudomaculosa*

(*Acosta rhenana* (Boreau) Soják) = *Centaurea stoebe*

(*Acosta savranica* (Klokov) Holub) = *Centaurea savranica*
(*Acosta steveniana* (Klokov) Holub) = *Centaurea steveniana*

Acroptilon repens (L.) DC.

(*Acroptilon picris* (Pall. ex Willd.) C.A.Mey.) = *Acroptilon repens*

Adenostyles alliariae (Gouan) A.Kern.

(*Agathyrus tataricus* (L.) D.Don) = *Lactuca tatarica*

****Ageratum houstonianum*** Mill.

(*Ageratum mexicanum* Sims) = *Ageratum houstonianum*

****Amberboa moschata*** (L.) DC.

Ambrosia artemisiifolia L.

Ambrosia aptera DC. ~ *Ambrosia trifida*

Ambrosia psilostachya DC.

Ambrosia trifida L.

Anacyclus clavatus (Desf.) Pers.

*!***Anacyclus officinarum*** Hayne

(*Anacyclus tomentosus* DC.) = *Anacyclus clavatus*

Antennaria carpatica (Wahlenb.) Bluff & Fingerh.

Conservation status: RDBU (I).

Antennaria dioica (L.) P.Gaertn.

Anthemis altissima L.

Anthemis arvensis L.

(*Anthemis arvensis* L. var. *ruthenica* (M.Bieb.) Schmalh.) = *Anthemis ruthenica*

Anthemis austriaca Jacq.

Anthemis carpatica Waldst. & Kit. ex Willd.

(*Anthemis clavata* Desf.) = *Anacyclus clavatus*

Anthemis cotula L.

Anthemis cretacea Zefir. ~ *Anthemis monantha*

Anthemis dubia Steven

Anthemis dumetorum Sosn.

Anthemis jailensis Zefir.

Conservation status: ERL (R).

Anthemis lithuanica (DC.) Besser ex Trautv. ~ *Anthemis cotula*

Conservation status: IUCN RL (R).

Anthemis markhotensis Fed.

(*Anthemis millefolia* L.) = *Tanacetum millefolium*

(*Anthemis mixtum* L.) = *Chamaemelum mixtum*

Anthemis monantha Willd.

(*Anthemis neilreichii* Ortmann) = *Anthemis ruthenica*

(*Anthemis nobilis* L.) = *Chamaemelum nobile*

Anthemis parviceps Dobrocz. & Fed. ex Klokov ~ *Anthemis monantha*

Anthemis ruthenica M.Bieb.

Anthemis sterilis Steven

Conservation status: IUCN RL (V); ERL (I).

[*Anthemis subtinctoria* Dobrocz.] = *Anthemis tinctoria* subsp. *subtinctoria*

Anthemis tinctoria L.

Anthemis tinctoria L. subsp. *subtinctoria* (Dobrocz.) Soó

Anthemis tranzscheliana Fed.

Conservation status: ERL (R).

Anthemis zephyrovii Dobrocz. ~ *Anthemis tinctoria* subsp. *subtinctoria*

(*Apargia aspera* Waldst. & Kit.) = *Leontodon biscutellifolius*

(*Apargia autumnalis* (L.) Baumg.) = *Leontodon autumnalis*

(*Apargia caucasica* M.Bieb.) = *Leontodon causicus*

(*Apargia hispida* (L.) Baumg.) = *Leontodon hispidus*

(*Apargia pratensis* Link) = *Leontodon autumnalis* subsp. *pratensis*

Aposeris foetida (L.) Less.

Arctium* × *ambiguum (Čelak.) Nyman = *Arctium lappa* × *Arctium tomentosum*

(*Arctium chaorum* Klokov) = *Arctium lappa*

Arctium* × *cimbricum (Krause) Hayek = *Arctium lappa* × *Arctium nemorosum*

(*Arctium flabescens* Klokov, sphalm.) = *Arctium nemorosum*

(*Arctium glabescens* Klokov) = *Arctium nemorosum*

(*Arctium intermedium* (Rchb.f.) Lange) = *Arctium nemorosum*

Arctium lappa L.

(*Arctium leptophyllum* Klokov) = *Arctium tomentosum*

Arctium* × *maassii (M.Schulze) Rouy = *Arctium minus* × *Arctium nemorosum*

(*Arctium majus* Bernh.) = *Arctium lappa*

Arctium minus (Hill) Bernh.

Arctium* × *mixtum (Simonk.) Nyman = *Arctium minus* × *Arctium tomentosum*

Arctium nemorosum Lej.

Arctium* × *nothum (Ruhm.) Weiss = *Arctium lappa* × *Arctium minus*

Arctium tomentosum Mill.

****Argyranthemum frutescens*** (L.) Sch.Bip.

***Arnica montana* L.**

Conservation status: RDBU (2).

***Arnoseris minima* (L.) Schweigg. & Körte**

***Artemisia abrotanum* L.**

***Artemisia absinthium* L.**

***Artemisia annua* L.**

***Artemisia arenaria* DC.**

{*Artemisia arenaria* sensu Kotov, non DC.} = *Artemisia marschalliana*

{*Artemisia arenaria* sensu Klokov, non DC.} = *Artemisia trautvetteriana*

(*Artemisia argentata* Klokov) = *Artemisia caucasica*

***Artemisia argyi* Léveillé & Vaniot**

Note: A rare alien species persisting in one locality in Kiev. See discussion on alien species of *Artemisia* in Ukraine (S. Mosyakin, 1990, Ukr. Bot. Zhurn. 47(4): 10-13).

***Artemisia armeniaca* Lam.**

***Artemisia austriaca* Jacq.**

{*Artemisia biennis* auct. non Willd.} = *Artemisia tournefortiana*

Note: *Artemisia biennis*, a North American species closely related to *A. tournefortiana*, can be expected in Ukraine in the future, since it is already known from adjacent countries.

(*Artemisia boschniakiana* (Besser) DC.) = *Artemisia santonica*

?*Artemisia canadensis* Michx.

Note: Reported from Mariupol (Donetsk region, SE Ukraine) as adventive (Kondratyuk, Burda & Ostapko, 1985); needs confirmation. No specimens seen.

***Artemisia campestris* L.**

***Artemisia caucasica* Willd.**

{*Artemisia codonocephala* auct. non Diels} = *Artemisia umbrosa*

(*Artemisia cretacea* Kotov) = *Artemisia nutans*

(*Artemisia dniproica* Klokov) = *Artemisia campestris*

{*Artemisia dniproica* auct. non Klokov, p.p.} = *Artemisia marschalliana*

***Artemisia dracunculus* L.**

***Artemisia dzevanovskyi* Leonova**

(*Artemisia elatior* Klokov) = *Artemisia abrotanum*

(*Artemisia fragrans* Willd.) = *Artemisia lerchiana*

***Artemisia glauca* Pall. ex Willd.**

Note: A rare alien species known from several localities in Central and SE Ukraine, along railroads.

(*Artemisia graveolens* Minat.) = *Artemisia taurica*

***Artemisia hololeuca* M.Bieb. ex Besser**

Conservation status: RDBU (2); IUCN RL (V); ERL (V).

(*Artemisia inodora* M.Bieb. 1808, non Mill. 1768) = *Artemisia marschalliana*

(*Artemisia lanulosa* Klokov) = *Artemisia caucasica*

***Artemisia lerchiana* Weber ex Stechm.**

{*Artemisia maritima* auct. non L.} = *Artemisia santonica*

***Artemisia marschalliana* Spreng.**

[*Artemisia marschalliana* Spreng. var. *tschernieviana* (Besser) Leonova] = *Artemisia tschernieviana*

***Artemisia nutans* Willd.**

***Artemisia pontica* L.**

(*Artemisia praticola* Klokov) = *Artemisia santonica*

(*Artemisia procera* Willd.) = *Artemisia abrotanum*

(*Artemisia pseudofragrans* Klokov) = *Artemisia lerchiana*

(*Artemisia repens* Pall. ex Willd.) = *Artemisia austriaca*

***Artemisia rubripes* Nakai**

Note: A rare alien species collected in one locality in Kiev; now disappeared.

***Artemisia salsoloides* Willd.**

***Artemisia santonica* L.**

***Artemisia scoparia* Waldst. & Kit.**

***Artemisia selengensis* Turcz. ex Besser**

Note: A rare alien species known from Myronivka, Kiev region (see M. Bortnyak & Y. Voytyuk, 1991, *Ukr. Bot. Zhurn.* 48(4): 91-93).

***Artemisia sieversiana* Willd.**

(*Artemisia stepposa* B.Keller) = *Artemisia santonica*

(*Artemisia tanaitica* Klokov) = *Artemisia salsoloides*

***Artemisia taurica* Willd.**

***Artemisia tournefortiana* Rchb.**

***Artemisia trautvetteriana* Besser**

Artemisia tschernieviana* Besser ~ *Artemisia marschalliana

***Artemisia umbrosa* (Turcz. ex Besser) Pamp.**

Note: A rare alien species persisting in several localities in Kiev.

***Artemisia verlotiorum* Lamotte**

Note: In Ukraine this alien species is known only from Crimea. Other records refer to

A. umbrosa and related East Asian taxa (see O. Dubovik & S. Mosyakin, 1991, *Bot. Zhurn.* 76(10): 1408-1411).

{*Artemisia verlotiorum* auct. non Lamotte} = *Artemisia umbrosa*

***Artemisia vulgaris* L.**

***Aster alpinus* L.**

Conservation status: RDBU (2).

(*Aster amelloides* Besser 1822, non Hoffm. 1801) = *Aster bessarubicus*

***Aster amellus* L.**

[*Aster amellus* L. subsp. *bessarubicus* (Bernh. ex Rchb.) Soó] = *Aster bessarubicus*

[*Aster amellus* L. subsp. *ibericus* (M.Bieb.) Avetis.] = *Aster ibericus*

(*Aster annuus* L.) = *Phalacrolooma annuum*

[*Aster bellidjastrum* (L.) Scop.] = *Bellidjastrum micheli*

Aster bessarabicus Bernh. ex Rehb. ~ *Aster amellus*
(*Aster canadensis* (L.) E.H.L.Krause) = *Conyza canadensis*
(*Aster canadensis* (L.) Kuntze) = *Solidago canadensis*
(*Aster chinensis* L.) = *Callistephus chinensis*
(*Aster conyzae* Greiss.) = *Inula conyzae*
[*Aster dracunculoides* Lam.] = *Galatella dracunculoides*

*?**Aster dumosus** L.

Note: Reported by S. Fodor (1974) for Transcarpathia (cultivated); needs confirmation.

*?**Aster ericoides** L.

Note: Reported by S. Fodor (1974) for Transcarpathia (cultivated); needs confirmation.

Aster ibericus M.Bieb. ~ *Aster amellus*
(*Aster jailicola* Juz. in herb.) = *Aster ibericus*

***Aster laevis** L.

*!**Aster lanceolatus** Willd.

Note: This and some other ornamental species of *Aster* are successfully naturalized in many regions of Ukraine.

[*Aster linosyris* (L.) Bernh.] = *Galatella linosyris*

*!**Aster novae-angliae** L.

*!**Aster novi-belgii** L.

[*Aster pannonicus* Jacq.] = *Tripolium pannonicum*

***Aster parviflorus** Nees ~ *Aster lanceolatus*

[*Aster punctatus* Waldst. & Kit.] = *Galatella punctata*

*!**Aster** × **salignus** Willd. = *Aster lanceolatus* × *Aster novi-belgii*

(*Aster simplex* Willd.) = *Aster lanceolatus*

{*Aster squamatus* auct. non (Spreng.) Hieron.} = *Conyzanthus graminifolius*

{*Aster tradescantii* auct. non L.} = *Aster parviflorus*

Note: *Aster tradescantii* has been reported by S. Fodor (1974) for Transcarpathia as cultivated. Since S. Fodor probably relied on Central European manuals, where the name *A. tradescantii* was usually misapplied to *A. parviflorus*, we can assume that most probably his record refers to the latter species.

[*Aster tripolium* L.] = *Tripolium vulgare*

[*Aster tripolium* L. subsp. *pannonicum* (Jacq.) Soó] = *Tripolium pannonicum*

*!**Aster versicolor** Willd.

Note: Probably a hybrid *A. novi-belgii* × *A. laevis*.

Balsamita major Desf.

[*Barkhausia alpina* (L.) DC.] = *Crepis alpina*

[*Barkhausia foetida* (L.) DC.] = *Crepis foetida*

(*Barkhausia hispida* (Waldst. & Kit.) Link) = *Crepis setosa*

(*Barkhausia marschallii* C.A.Mey.) = *Crepis marschallii*
(*Barkhausia pseudalpina* Klokov) = *Crepis alpina*
[*Barkhausia rhoeadifolia* (M.Bieb.) M.Bieb.] = *Crepis rhoeadifolia*
[*Barkhausia setosa* (Hall.f.) DC.] = *Crepis setosa*

?***Bellidastrum michelii*** Cass.

Note: Reported for the Carpathians (Fodor, 1974), as *Aster bellidiastrum*; needs confirmation.

Bellis perennis L.

Bellis sylvestris Cyr.

Bidens cernua L.

Bidens connata Muehl. ex Willd.

Note: A rare alien species known from Kiev region (see S. Mosyakin, 1988, Ukr. Bot. Zhurn. 45(2): 72-74).

Bidens frondosa L.

(*Bidens melanocarpa* Wiegand) = *Bidens frondosa*

(*Bidens orientalis* Velen.) = *Bidens tripartita* var. *orientalis*

Bidens radiata Thuill.

Bidens tripartita L.

Bidens tripartita L. var. *orientalis* (Velen.) Stoj. & Stef.

(*Bombycilaena bombycina* (Lag.) Soják) = *Bombycilaena discolor*

Bombycilaena discolor (Pers.) Lainz

Note: In Ukraine known only from Crimea (near Balaklava).

Bombycilaena erecta (L.) Smoljan.

Brachyactis ciliata (Ledeb.) Ledeb.

(*Buphtalmum speciosum* Schreb.) = *Telekia speciosa*

(*Calcitrapa stellaris* Hill) = *Centaurea calcitrapa*

Calendula arvensis L.

*!***Calendula officinalis*** L.

*!***Callistephus chinensis*** (L.) Nees

Carduus acanthoides L.

(*Carduus acarna* L.) = *Picnomom acarna*

Carduus arabicus Jacq.

(*Carduus arvensis* (L.) Smith) = *Cirsium arvense*

(*Carduus attenuatus* Klokov) = *Carduus thoermeri*

(*Carduus bicolorifolius* Klokov) = *Carduus personata*

(*Carduus canus* L.) = *Cirsium canum*

(*Carduus ciliatus* Murray) = *Cirsium ciliatum*

Carduus cinereus M.Bieb.

Carduus collinus Waldst. & Kit.

Note: Reported for the Carpathians, Chomohora Range (Fodor, 1974); needs confirmation.

Other records of this species from Ukraine belong to *C. hamulosus*.

Carduus crispus L.

(*Carduus cyanoides* L.) = *Jurinea cyanoides*

{*Carduus defloratus* auct. non L.} = *Carduus glaucinus*

(*Carduus erisithales* Jacq.) = *Cirsium erisithales*

(*Carduus fortior* Klokov) = *Carduus acanthoides*

Carduus glaucinus Holub

(*Carduus glaucus* Baumg. 1816, non Cavan. 1795) = *Carduus glaucinus*

Carduus hamulosus Ehrh.

(*Carduus heterophyllus* L.) = *Cirsium heterophyllum*

(*Carduus incanus* Klokov) = *Carduus crispus*

Carduus kernerii Simonk.

(*Carduus kondratjukii* Gorlaczova) = *Carduus nutans*

(*Carduus lanceolatum* L.) = *Cirsium vulgare*

(*Carduus leiophyllus* Petrovič) = *Carduus thoermeri*

(*Carduus marianus* L.) = *Silybum marianum*

Carduus nutans L.

[*Carduus nutans* L. subsp. *leiophyllus* (Petrovič) Stoj. & Stef.] = *Carduus thoermeri*

(*Carduus lanceolatus* L.) = *Cirsium vulgare*

(*Carduus leiophyllus* Petrovic) = *Carduus thoermeri*

(*Carduus palustris* L.) = *Cirsium palustre*

(*Carduus pannonicus* L.f.) = *Cirsium pannonicum*

Carduus personata (L.) Jacq.

Carduus pseudocollinus (Schmalh.) Klokov ~ *Carduus hamulosus*

Carduus pycnocephalus L.

(*Carduus rivularis* Jacq.) = *Cirsium rivulare*

Carduus stenocephalus Tamamsch.

Note: Probably a hybrid between *C. hamulosus* and *C. uncinatus*.

Carduus tauricus Klokov ~ *Carduus hamulosus*

Carduus thoermeri Weinm.

Carduus tortuosus Gorlaczova & Kondr. ~ *Carduus hamulosus*

(*Carduus tyraicus* Klokov) = *Carduus hamulosus*

Carduus uncinatus M.Bieb.

(*Carduus uncinatus* M.Bieb. subsp. *davisii* Kazmi) = *Carduus uncinatus*

(*Carduus vulgaris* Savi) = *Cirsium vulgare*

Carlina acaulis L.

{*Carlina acanthifolia* auct. non All.} = *Carlina onopordifolia*

Carlina biebersteinii Bernh. ex Hornem.

(*Carlina biebersteinii* Bernh. ex Hornem. subsp. *brevibracteata* (Andrae) Werner) = *Carlina intermedia*

Carlina cirsioides Klokov

Conservation status: RDBU (2); ERL (E).

Carlina intermedia Schur

Carlina onopordifolia Besser ex Szafer, Kulcz. & Pawł.

Conservation status: RDBU (1); IUCN RL (V).

Carlina taurica Klokov ~ *Carlina vulgaris*

{*Carlina utzka* auct. non Hacq.} = *Carlina onopordifolia*

Carlina vulgaris L.

[*Carlina vulgaris* L. subsp. *longifolia* Nyman] = *Carlina biebersteinii*

[*Carlina vulgaris* L. subsp. *intermedia* (Schur) Hayek] = *Carlina intermedia*

Carpesium cernuum L.

Carthamus glaucus M.Bieb.

Carthamus lanatus L.

*!**Carthamus tinctorius** L.

Centaurea abbreviata (K.Koch) Hand.-Mazz.

Centaurea adamii Willd. ~ *Centaurea solstitialis*

Centaurea adpressa Ledeb.

Centaurea aemulans Klokov

Conservation status: ERL (R).

{*Centaurea alpestris* auct. non Hegetschw.} = *Centaurea ossetica*

Centaurea alutacea Dobroc. ~ *Centaurea phrygia* aggr.

Centaurea apiculata Ledeb.

[*Centaurea apiculata* Ledeb. subsp. *adpressa* (Ledeb.) Dostál] = *Centaurea adpressa*

Centaurea appendicata Klokov

Conservation status: ERL (R).

Centaurea arenaria M.Bieb.

[*Centaurea arenaria* M.Bieb. subsp. *borysthenea* (Grun.) Dostál] = *Centaurea borysthenea*

[*Centaurea arenaria* M.Bieb. subsp. *majorovii* (Dumbadze) Dostál] = *Centaurea majorovii*

[*Centaurea arenaria* M.Bieb. subsp. *odessana* (Prodán) Dostál] = *Centaurea odessana*

(*Centaurea austriaca* Willd.) = *Centaurea phrygia*

Centaurea besseriana DC.

Centaurea biebersteinii DC.

Centaurea borysthenea Grun.

Centaurea breviceps Iljin

Conservation status: RDBU (4).

Centaurea calcitrapa L.

{*Centaurea cana* auct. non Sibth. & Smith} = *Centaurea fuscomarginata*

Centaurea caprina Steven

Centaurea carbonata Klokov

Centaurea carpatica (Porcius) Porcius

Conservation status: RDBU (3).

Centaurea × *comperiana* Steven = *Centaurea caprina* × *Centaurea substituta*

(*Centaurea crupina* L.) = *Crupina vulgaris*

Centaurea cyanus L.

Centaurea declinata M.Bieb.

Centaurea depressa M.Bieb.

Centaurea diffusa Lam.

Centaurea × *dobroczaevae* Tzvelev = *Centaurea diffusa* × *Centaurea pseudomaculosa*

Centaurea dominii (Dostál) Dubovik

Centaurea donetzica Klokov

Conservation status: RDBU (2); ERL (R).

Centaurea fuscomarginata (K.Koch) Juz.

Centaurea × *hypanica* Pacz. = *Centaurea diffusa* × *Centaurea margarita-alba*

Centaurea iberica Trev.

Centaurea × *iljiniana* Iljar. = *Centaurea caprina* × *Centaurea sterilis*

Centaurea indurata Janka ~ *Centaurea phrygia* aggr.

Centaurea jacea L.

Centaurea × *klokovii* Tzvelev = *Centaurea pseudomaculosa* × *Centaurea substituta*

(*Centaurea koktebelica* Klokov) = *Centaurea caprina*

Centaurea konkae Klokov

Conservation status: RDBU (1); ERL (R).

Centaurea kotschyana Heuff.

Centaurea lavrenkoana Klokov

Centaurea × *livonica* Weinm. = *Centaurea jacea* × *Centaurea phrygia*

Centaurea × *longiaristata* Iljar. = *Centaurea diffusa* × *Centaurea sterilis*

Centaurea majorovii Dumbadze

Centaurea margaritacea Ten.

Conservation status: RDBU (1); IUCN RL (V); ERL (V).

[*Centaurea margaritacea* Ten. subsp. *appendicata* (Klokov) Dostál] = *Centaurea appendicata*

[*Centaurea margaritacea* Ten. subsp. *breviceps* (Iljin) Dostál] = *Centaurea breviceps*

[*Centaurea margaritacea* Ten. subsp. *donetzica* (Klokov) Dostál] = *Centaurea donetzica*

- [*Centaurea margaritacea* Ten. subsp. *konkae* (Klokov) Dostál] = *Centaurea konkae*
 [*Centaurea margaritacea* Ten. subsp. *margarita-alba* (Klokov) Dostál] = *Centaurea margarita-alba*
 [*Centaurea margaritacea* Ten. subsp. *paczoskii* (Kotov ex Klokov) Dostál] = *Centaurea paczoskii*
 [*Centaurea margaritacea* Ten. subsp. *protogerberi* (Klokov) Dostál] = *Centaurea protogerberi*
 [*Centaurea margaritacea* Ten. subsp. *protomargaritacea* (Klokov) Dostál] = *Centaurea protomargaritacea*
 (*Centaurea margaritacea* Ten. subsp. *pseudoleucolepis* (Kleopov) Dostál) = *Centaurea pseudoleucolepis*
***Centaurea margarita-alba* Klokov**
 Conservation status: RDBU (1); ERL (R), as *C. margaritalba*.
Centaurea marmarosiensis* (Jáv.) Czerep. ~ *Centaurea mollis
***Centaurea marschalliana* Spreng.**
***Centaurea melanocalathia* Borbás**
 (*Centaurea micranthos* S.G.Gmel. ex Hayek 1901, non *Centaurea micrantha* Duf. 1831) =
Centaurea biebersteinii
***Centaurea mollis* Waldst. & Kit.**
 ****Centaurea montana* L. s.str.**
 {*Centaurea montana* auct. non L.} = *Centaurea mollis* & *Centaurea marmarosiensis*
 [*Centaurea moschata* L.] = *Amberboa moschata*
 (*Centaurea nigriceps* Dobroc.) = *Centaurea melanocalathia*
Centaurea* × *ninae* Juz. = *Centaurea caprina* × *Centaurea vankovii
***Centaurea odessana* Prodán**
***Centaurea orientalis* L.**
***Centaurea ossetica* Sosn. ex Tzvelev**
 [*Centaurea ovina* Pall. ex Willd. subsp. *besseriana* (DC.) Dostál] = *Centaurea besseriana*
 [*Centaurea ovina* Pall. ex Willd. subsp. *koktebelica* (Klokov) Dostál] = *Centaurea koktebelica*
 [*Centaurea ovina* Pall. ex Willd. subsp. *lavrenkoana* (Klokov) Dostál] = *Centaurea lavrenkoana*
 [*Centaurea ovina* Pall. ex Willd. subsp. *stevieniana* (Klokov) Dostál] = *Centaurea stevieniana*
***Centaurea paczoskii* Kotov ex Klokov**
 Conservation status: RDBU (1); ERL (R).
***Centaurea pannonica* (Heuff.) Simonk.**
 [*Centaurea pannonica* (Heuff.) Simonk. subsp. *substituta* (Czerep.) Dostál] = *Centaurea substituta*
***Centaurea phrygia* L.**
 [*Centaurea phrygia* L. subsp. *abbreviata* (K.Koch) Dostál] = *Centaurea abbreviata*
 [*Centaurea phrygia* L. subsp. *carpatica* (Porcius) Dostál] = *Centaurea carpatica*
 [*Centaurea phrygia* L. subsp. *melanocalathia* (Borbás) Dostál] = *Centaurea melanocalathia*
 (*Centaurea phrygia* L. subsp. *nigriceps* (Dobroc.) Dostál) = *Centaurea melanocalathia*
 [*Centaurea phrygia* L. subsp. *pseudophrygia* (C.A.Mey.) Gugler] = *Centaurea pseudophrygia*

[*Centaurea phrygia* L. subsp. *stenolepis* (A.Kern.) Gugler] = *Centaurea stenolepis*
(*Centaurea picris* Pall. ex Willd.) = *Acroptilon repens*

***Centaurea protogerberi* Klokov**

Conservation status: RDBU (1).

***Centaurea protomargaritacea* Klokov**

Conservation status: RDBU (1).

(*Centaurea pseudocoriacea* Dobrocz.) = *Centaurea apiculata*

***Centaurea pseudoleucolepis* Kleopow**

Conservation status: RDBU (1); IUCN RL (E).

Centaurea pseudomaculosa* Dobrocz. ~ *Centaurea stoebe

(*Centaurea pseudoovina* Illar.) = *Centaurea lavrenkoana*

***Centaurea pseudophrygia* C.A.Mey.**

(*Centaurea rhenana* Boreau) = *Centaurea stoebe*

(*Centaurea rhenana* Boreau subsp. *pseudomaculosa* (Dobrocz.) Dostál) = *Centaurea pseudomaculosa*

Centaurea rubriflora* Illar. ~ *Centaurea salonitana

Conservation status: RDBU (1).

***Centaurea ruthenica* Lam.**

{*Centaurea salicifolia* auct. non M.Bieb.} = *Centaurea abbreviata* ?

***Centaurea salonitana* Vis.**

***Centaurea sarandinakiae* Illar.**

Conservation status: RDBU (1).

***Centaurea savranica* Klokov**

***Centaurea scabiosa* L.**

***Centaurea semijusta* Juz.**

***Centaurea solstitialis* L.**

Centaurea solstitialis L. subsp. *adamii* (Willd.) Nyman] = *Centaurea adamii*

***Centaurea stenolepis* A.Kern.**

***Centaurea stereophylla* Besser**

***Centaurea sterilis* Steven**

[*Centaurea sterilis* Steven subsp. *semijusta* (Juz.) Dostál] = *Centaurea semijusta*

Centaurea sterilis Steven subsp. *vankovii* (Klokov) Dostál] = *Centaurea vankovii*

***Centaurea steveniana* Klokov**

***Centaurea stoebe* L.**

***Centaurea stricta* Waldst.& Kit.**

***Centaurea substituta* Czerep.**

***Centaurea sumensis* Kalen.**

***Centaurea taliewii* Kleopow**

Conservation status: RDBU (1); IUCN RL (1).

***Centaurea tanaitica* Klokov**

(*Centaurea ternopoliensis* Dobrocz.) = *Centaurea stricta*

{*Centaurea transcaucasica* auct. non Grossh.} = *Centaurea sarandinakiae*

Centaurea trichocephalla M.Bieb.

Centaurea trinervia Stephan

(*Centaurea trumfettii* All. subsp. *dominii* Dostál) = *Centaurea dominii*

(*Centaurea trumfettii* All. subsp. *stricta* (Waldst.& Kit.) Dostál) = *Centaurea stricta*

Centaurea vankovii Klokov

Cephalorrhynchus tuberosus (Steven) Schchian

*!***Chamaemelum nobile*** (L.) All.

?***Chamaemelum mixtum*** (L.) All.

Note: Reported for Crimea (near Sevastopol) in 1897 by I.F. Schmalhausen. Needs confirmation.

(*Chamomilla recutita* (L.) Rauschert) = *Matricaria recutita*

(*Chamomilla suaveolens* (Pursh) Rydb.) = *Lepidotheca suaveolens*

(*Chamomilla tzvelevii* (Pobed.) Rauschert) = *Matricaria tzvelevii*

Chartolepis intermedia Boiss.

Chondrilla acantholepis Boiss.

Chondrilla graminea M.Bieb.

Chondrilla juncea L.

(*Chondrilla juncea* L. var. *acantholepis* (Boiss.) Aliev) = *Chondrilla acantholepis*

Chondrilla latifolia M.Bieb.

(*Chrysanthemum alpinum* L.) = *Leucanthemopsis alpina*

****Chrysanthemum carinatum*** Schousb.

*!***Chrysanthemum coronarium*** L.

(*Chrysanthemum corymbosum* L.) = *Pyrethrum corymbosum*

(*Chrysanthemum frutescens* L.) = *Argyranthemum frutescens*

(*Chrysanthemum indicum* L.) = *Dendranthema indicum*

(*Chrysanthemum inodorum* (L.) L.) = *Tripleurospermum inodorum*

(*Chrysanthemum ircutianum* (Turcz. ex DC.) Ledeb.) = *Leucanthemum ircutianum*

(*Chrysanthemum leucanthemum* L.) = *Leucanthemum vulgare*

(*Chrysanthemum leucanthemum* L. subsp. *ircutianum* (Turcz. ex DC.) Sukacz.) =
Leucanthemum ircutianum

(*Chrysanthemum macrophyllum* Waldst. & Kit.) = *Pyrethrum macrophyllum*

(*Chrysanthemum maximum* Ramond) = *Leucanthemum maximum*

(*Chrysanthemum millefolium* L.) = *Tanacetum millefolium*

(*Chrysanthemum morifolium* Ramat.) = *Dendranthema morifolium*

{*Chrysanthemum myconis* L.) = *Coleostephus myconis*
{*Chrysanthemum partheniifolium* (Willd.) Pers.) = *Pyrethrum partheniifolium*
{*Chrysanthemum parthenium* (L.) Bernh.) = *Pyrethrum parthenium*
{*Chrysanthemum rotundifolium* Waldst. & Kit.) = *Leucanthemum rotundifolium*

***Chrysanthemum segetum* L.**

(*Chrysanthemum serotinum* L.) = *Leucanthemella serotina*
(*Chrysanthemum sinense* Sabine) = *Dendranthema morifolium*
(*Chrysanthemum subcorymbosum* Schur) = *Pyrethrum elusii*
(*Chrysanthemum vulgare* (L.) Bernh.) = *Tanacetum vulgare*
(*Chrysanthemum zawadskii* Herbach) = *Dendranthema zawadskii*

Cicerbita alpina (L.) Wallr.

****Cichorium endivia* L.**

{*Cichorium glabratum* C.Presl) = *Cichorium intybus* subsp. *glabratum*
{*Cichorium glaucum* Hoffm. & Link) = *Cichorium intybus* subsp. *glabratum*

***Cichorium intybus* L.**

***Cichorium intybus* L. subsp. *glabratum* (C.Presl) Arcang.**
(*Cichorium intybus* L. subsp. *glaucum* (Hoffm. & Link) Tzvelev) = *Cichorium intybus*
subsp. *glabratum*

(*Cirsium acarna* (L.) Moench) = *Picnomom acarna*

{*Cirsium acaule* (L.) Scop. subsp. *esculentum* (Siev.) K.Werner} = *Cirsium esculentum*

***Cirsium alatum* (S.G.Gmel.) Bobrov**

***Cirsium arvense* (L.) Scop.**

{*Cirsium arvense* (L.) Scop. subsp. *incanum* (S.G.Gmel.) Petrak ex Iljin} = *Cirsium incanum*

{*Cirsium arvense* (L.) Scop. subsp. *setosum* (Willd.) Iljin} = *Cirsium setosum*

***Cirsium canum* (L.) All.**

***Cirsium ciliatum* (Murray) Moench**

***Cirsium decussatum* Janka**

{*Cirsium elodes* auct. non M.Bieb.} = *Cirsium alatum*

{*Cirsium eriophorum* auct. non (L.) Scop.} = *Cirsium polonicum*

***Cirsium erisithales* (Jacq.) Scop.**

Cirsium* × *erucagineum* DC. = *Cirsium oleraceum* × *Cirsium rivulare

***Cirsium esculentum* (Siev.) C.A.Mey.**

***Cirsium heterophyllum* (L.) Hill**

Cirsium* × *hybridum* W.D.J.Koch ex DC. = *Cirsium oleraceum* × *Cirsium palustre

***Cirsium incanum* (S.G.Gmel.) Fisch.**

(*Cirsium lanceolatum* (L.) Scop. 1772, non Hill 1769) = *Cirsium vulgare*

***Cirsium laniflorum* (M.Bieb.) M.Bieb.**

(*Cirsium lipskyi* Klokov) = *Cirsium sublaniflorum*

Cirsium oleraceum (L.) Scop.
Cirsium palustre (L.) Scop.
Cirsium pannonicum (L.f.) Link
(*Cirsium pauciflorum* (Waldst. & Kit.) Spreng, 1826, non Lam. 1778) = *Cirsium waldsteinii*
Cirsium polonicum (Petrak) Iljin
Cirsium × *reichardtii* Juratzka = *Cirsium paluste* × *Cirsium waldsteinii*
Cirsium rivulare (Jacq.) All.
Cirsium roseolum Gorlaczewa ~ *Cirsium esculentum*
Cirsium serrulatum (M.Bieb.) Fisch.
Cirsium setosum (Willd.) Besser
Cirsium × *silesiacum* Sch.Bip. = *Cirsium canum* × *Cirsium palustre*
Cirsium sublaniflorum Soják ~ *Cirsium laniflorum*
Cirsium tauricum Soják
(*Cirsium ucrainicum* Besser) = *Cirsium ukranicum*
Cirsium ukranicum Besser
Cirsium vulgare (Savi) Ten.
Cirsium waldsteinii Rouy

Cnicus benedictus L.
(*Cnicus laniflorus* M.Bieb.) = *Cirsium laniflorum*
(*Cnicus oleraceus* L.) = *Cirsium oleraceum*
(*Cnicus serrulatus* M.Bieb.) = *Cirsium serrulatum*

Coleostephus myconis (L.) Rchb.

(*Colobium saxatile* (Lam.) Holub) = *Leontodon saxatilis*
(*Colobium taraxacoides* (Vill.) Holub) = *Leontodon saxatilis*

(*Colymbada adpressa* (Ledeb.) Holub) = *Centaurea adpressa*
(*Colymbada apiculata* (Ledeb.) Holub) = *Centaurea apiculata*
(*Colymbada kotschyana* (Heuff.) Holub) = *Centaurea kotschyana*
(*Colymbada orientalis* (L.) Holub) = *Centaurea orientalis*
(*Colymbada salonitana* (Vis.) Holub) = *Centaurea salonitana*
(*Colymbada scabiosa* (L.) Holub) = *Centaurea scabiosa*
(*Colymbada stereophylla* (Besser) Holub) = *Centaurea stereophylla*

Conyza canadensis (L.) Cronq.
(*Conyza graminifolia* Spreng.) = *Conyzanthus graminifolius*
(*Conyza squarrosa* L.) = *Inula conyzae*

Conyzanthus graminifolius (Spreng.) Tamamsch.

*!*Coreopsis grandiflora* Hogg ex Sweet

**Coreopsis lanceolata* L.

*!*Coreopsis tinctoria* Nutt.

*!*Cosmos bipinnatus* Cav.

**Cosmos sulphureus* Cav.

(*Cota austriaca* (Jacq.) Sch.Bip.) = *Anthemis austriaca*

(*Cota tinctoria* (L.) Gay) = *Anthemis tinctoria*

Crepis alpina L.

Crepis biennis L.

Crepis capillaris (L.) Wallr.

Crepis confusa Wol. – *Crepis conyzifolia*

Crepis conyzifolia (Gouan) A.Kern.

{*Crepis conyzifolia* (Gouan) A.Kern. subsp. *confusa* (Wol.) Domin} = *Crepis conyzifolia*

Crepis foetida L.

{*Crepis foetida* L. subsp. *rhoadifolia* (M.Bieb.) Čelak.} = *Crepis rhoadifolia*

Crepis jacquinii Tausch

(*Crepis lodomeriensis* Besser) = *Crepis biennis*

{*Crepis marschallii* auct. non (C.A.Mey.) Sch.Bip.}

Note: This species has been erroneously reported from Crimea. Its occurrence in Ukraine is not confirmed.

Crepis micrantha Czerep.

Crepis mollis (Jacq.) Asch.

Crepis paludosa (L.) Moench

Crepis pannonica (Jacq.) K.Koch

(*Crepis parviflora* Desf. 1807, non Moench 1794) = *Crepis micrantha*

(*Crepis planitierum* Klokov) = *Crepis mollis*

Crepis praemorsa (L.) Tausch

Crepis pulchra L.

{*Crepis purpurea* (Willd.) M.Bieb.} = *Lagoseris purpurea*

Crepis ramosissima D'Urv.

Crepis rhoadifolia M.Bieb.

{*Crepis sancta* (L.) Babc.} = *Pterotheca sancta*

Crepis setosa Hall.f.

Crepis sibirica L.

Crepis tectorum L.

(*Crepis tristis* Klokov) = *Crepis biennis*

{*Crepis tristis* auct. non Klokov} = *Crepis jacquinii*

{*Crepis zacintha* (L.) Babc.} = *Zacintha verrucosa*

(*Crinitaria linosyris* (L.) Less.) = *Galatella linosyris*
(*Crinitaria tatarica* (Less.) Czerep.) = *Galatella tatarica*
(*Crinitaria villosa* (L.) Cass.) = *Galatella villosa*

(*Crinitina linosyris* (L.) Soják) = *Galatella linosyris*
(*Crinitina villosa* (L.) Soják) = *Galatella villosa*

***Crupina vulgaris* Cass.**

(*Cyanus marmarosiensis* (Jáv.) Dostál) = *Centaurea marmarosiensis*
(*Cyanus mollis* (Waldst. & Kit.) J.Presl & C.Presl) = *Centaurea mollis*
(*Cyanus montanus* (L.) Mill.) = *Centaurea montana*
(*Cyanus segetum* Hill) = *Centaurea cyanus*
(*Cyanus triumfettii* (All.) Dostál subsp. *dominii* (Dostál) Dostál) = *Centaurea dominii*
(*Cyanus triumfettii* (All.) Dostál subsp. *strictus* (Waldst. & Kit.) Dostál) = *Centaurea stricta*

[*Cyclachaena xanthiifolia* (Nutt.) Fresen.] = *Iva xanthiifolia*

***Cynara scolymus* L.**

****Dahlia pinnata* Cav.**

****Dendranthema indicum* (L.) Des Moul.**

****Dendranthema morifolium* (Ramat.) Tzvelev**

(*Dendranthema sinense* (Sabine) Des Moul.) = *Dendranthema morifolium*

***Dendranthema zawadskii* (Herbich) Tzvelev**

{*Dimorphotheca aurantiaca* auct. non DC.} = *Dimorphotheca hybrida*

****Dimorphotheca hybrida* (L.) DC.**

****Dimorphotheca pluvialis* (L.) Moench**

***Doronicum austriacum* Jacq.**

(*Doronicum bellidiastrum* L.) = *Bellidiastrum michelii*

***Doronicum carpaticum* (Griseb. & Schenk) Nyman**

{*Doronicum clusii* auct. non (All.) Tausch} = *Doronicum stiriacum* s.str.

(*Doronicum clusii* (All.) Tausch subsp. *stiriacum* (Vill.) Vierh.) = *Doronicum stiriacum*

[*Doronicum clusii* (All.) Tausch subsp. *villosum* (Tausch) Vierh.] = *Doronicum stiriacum*

{*Doronicum columnae* auct. non Ten.} = *Doronicum carpaticum*

***Doronicum hungaricum* Rech.f.**

Conservation status: RDBU (2).

***Doronicum orientale* O.Hoffm.**

***Doronicum pardalianches** L.

Doronicum stiriacum (Vill.) Dalla Torre ~ **Doronicum clusii** s.l.

Conservation status: RDBU (2), as **Doronicum clusii**.

*!**Echinacea purpurea** (L.) Moench

Echinops armatus Steven

{**Echinops banaticus** auct. non Rochel ex Schrad.} = **Echinops armatus**

(**Echinops commutatus** Juratzka) = **Echinops exaltatus**

Echinops exaltatus Schrad.

[**Echinops ritro** L. subsp. **ruthenicus** (M.Bieb.) Nyman] = **Echinops ruthenicus**

{**Echinops ritro** auct. non L.} = **Echinops ruthenicus**

Echinops ruthenicus M.Bieb.

Echinops sphaerocephalus L.

Erechtites hieracifolia (L.) Raf. ex DC.

{**Erigeron acer** auct.} = **Erigeron acris**

Erigeron acris L.

[**Erigeron acris** L. subsp. **angulosus** (Gaudin) Vacc.] = **Erigeron angulosus**

[**Erigeron acris** L. subsp. **droebachiensis** (O.F.Müll.) Arcang.] = **Erigeron droebachiensis**

Erigeron alpinus L.

Erigeron angulosus Gaudin ~ **Erigeron acris** aggr.

Note: Reported for the Carpathians (Fodor, 1974); probably conspecific with **E. droebachiensis**.

[**Erigeron annuus** (L.) Pers.] = **Phalacroloma annuum**

[**Erigeron annuus** (L.) Pers. subsp. **septentrionalis** (Fernald & Wiegand) Wagenitz] =
Phalacroloma septentrionale

[**Erigeron annuus** (L.) Pers. subsp. **strigosus** (Muehl. ex Willd.) Wagenitz] = **Phalacroloma strigosum**

(**Erigeron asteroides** Andr. ex Besser 1822, non Roxb. 1814) = **Erigeron podolicus**

[**Erigeron canadensis** L.] = **Conyza canadensis**

(**Erigeron ciliatus** Ledeb.) = **Brachyactis ciliata**

Erigeron droebachiensis O.F.Müll. ~ **Erigeron acris** aggr.

(**Erigeron elongatus** Ledeb. 1829, non Moench 1802) = **Erigeron politus**

Erigeron macrophyllus Herbich ~ **Erigeron acris** aggr.

Erigeron orientalis Boiss.

Erigeron podolicus Besser ~ **Erigeron acris** aggr.

Erigeron politus Fr. ~ **Erigeron acris** aggr.

***Erigeron speciosus** (Lindl.) DC.

Erigeron uniflorus L.

Eupatorium cannabinum L.

(*Filaginella rossica* (Kirp.) Tzvelev) = *Gnaphalium rossicum*

(*Filaginella uliginosa* (L.) Opiz) = *Gnaphalium uliginosum*

(*Filaginella uliginosa* (L.) Opiz subsp. *rossica* (Kirp.) Holub) = *Gnaphalium rossicum*

Filago arvensis L.

Filago eriocephala Guss.

(*Filago germanica* L. 1763, non Huds. 1762) = *Filago vulgaris*

Filago minima (Smith) Pers.

{*Filago montana* auct. non L.} = *Filago arvensis*

Filago vulgaris Lam.

***Gaillardia aristata Pursh**

***Gaillardia pulchella Foug.**

Galatella biflora (L.) Nees

Galatella dracunculoides (Lam.) Nees

Galatella linosyris (L.) Rchb.f.

(*Galatella novopokrovskii* Zefir.) = *Galatella biflora*

Galatella punctata (Waldst. & Kit.) Nees

[*Galatella punctata* (Waldst. & Kit.) Nees subsp. *rossica* (Novopokr.) Novopokr.] =
Galatella rossica

Galatella rossica Novopokr.

Galatella × subvillosa Tzvelev = *Galatella linosyris* × *Galatella villosa*

Galatella tatarica (Less.) Novopokr.

Galatella villosa (L.) Rchb.f.

(*Galinsoga ciliata* (Raf.) S.F.Blake) = *Galinsoga urticifolia*

?**Galinsoga × mixta J.Murray** = *Galinsoga parviflora* × *Galinsoga urticifolia*

Galinsoga parviflora Cav.

{*Galinsoga quadriradiata* auct. non Ruiz & Pav.} = *Galinsoga urticifolia*

Galinsoga urticifolia (Kunth) Benth.

Geropogon hybridus (L.) Sch.Bip.

(*Gnaphalium carpaticum* Wahlenb.) = *Antennaria carpatica*

(*Gnaphalium dioicum* L.) = *Antennaria dioica*

?**Gnaphalium hoppeanum W.D.J.Koch**

Note: Records from Ukraine need confirmation.

(*Gnaphalium leontopodium* L.) = *Leontopodium alpinum*

Gnaphalium luteoalbum L.
Gnaphalium norvegicum Gunn.
Gnaphalium rossicum Kirp. ~ *Gnaphalium uliginosum* s.l.
Gnaphalium supinum L.
Gnaphalium sylvaticum L.
Gnaphalium uliginosum L.

Grindelia squarrosa (Pursh) Dunal

**Guizotia abyssinica* (L.f.) Cass.

Hedypnois cretica (L.) Dum.-Cours.

[*Hedypnois rhagadioloides* (L.) F.W.Schmidt subsp. *cretica* (L.) Hayek] = *Hedypnois cretica*

**Helianthus annuus* L.

*!*Helianthus decapetalus* L.

Note: At least some records of this species from Ukraine were based on misidentifications; its distribution is insufficiently known.

*!*Helianthus* × *laetiflorus* Pers. = *Helianthus rigidus* × *Helianthus tuberosus*

Helianthus petiolaris Nutt.

Note: A rare alien found in Odessa in 1963.

*!*Helianthus rigidus* (Cass.) Desf.

**Helianthus salicifolius* A.Dietr.

Note: Reported as cultivated in Kiev and Uzhgorod.

Helianthus strumosus L.

*!*Helianthus subcanescens* (A.Gray) E.E.Watson

Note: A completely naturalized invasive species.

*!*Helianthus tuberosus* L.

[*Helianthus tuberosus* L. var. *subcanescens* A.Gray] = *Helianthus subcanescens*

Helichrysum arenarium (L.) Moench

[*Helichrysum arenarium* (L.) Moench subsp. *ponticum* (Velen.) Clapham] = *Helichrysum corymbiforme*

(*Helichrysum arenarium* (L.) Moench var. *ponticum* Velen.) = *Helichrysum corymbiforme*

Helichrysum buschii Juz.

Note: Probably a hybrid between *H. arenarium* and *H. graveolens* ?

Helichrysum bracteatum (Vent.) Andrews

Helichrysum corymbiforme Opperman ex Katina

Helichrysum graveolens (M.Bieb.) Sweet

?*Helichrysum italicum* (Roth) Guss.

Note: Reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Helichrysum petiolare O.M.Hilliard & B.L.Burt
{*Helichrysum petiolatum* auct. non (L.) DC.} = *Helichrysum petiolare*

*!**Heliopsis scabra** Dunal

(*Helminthia echioides* (L.) Juss.) = *Picris echioides*

[*Helminthoteca echioides* (L.) Holub] = *Picris echioides*

(*Hieracium acrothyrsum* Naeg. & Peter) = *Pilosella* × *melinomeles*

Hieracium acuminatum Jord.

[*Hieracium acutisquamum* (Naeg. & Peter) Ueksip] = *Pilosella acutisquama*

[*Hieracium aestivum* Fr. subsp. *conicum* (Arv.-Touv.) Zahn] = *Hieracium conicum*

[*Hieracium aestivum* Fr. subsp. *crocatum* (Fr.) Zahn] = *Hieracium crocatum*

Hieracium alpinum L.

[*Hieracium alpinum* L. subsp. *apiculatum* (Tausch) Zahn] = *Hieracium apiculatum*

[*Hieracium alpinum* L. subsp. *gymnogenum* Zahn] = *Hieracium gymnogenum*

[*Hieracium alpinum* L. subsp. *melanocephalum* (Tausch) Zahn] = *Hieracium melanocephalum*

(*Hieracium alupkanum* (Zahn) Ueksip) = *Pilosella* × *auriculoides*

[*Hieracium amaureilema* (Naeg. & Peter) Ueksip] = *Pilosella amaureilema*

Hieracium ammobium P.D.Sell & C.West

(*Hieracium anocladum* (Naeg. & Peter) Ueksip) = *Pilosella* × *mollicaulis*

[*Hieracium apatellum* Naeg. & Peter] = *Pilosella* × *apatelia*

Hieracium apiculatum Tausch ~ *Hieracium alpinum* aggr.

[*Hieracium aquilonare* (Naeg. & Peter) Ueksip] = *Pilosella aquilonaris*

Hieracium argillaceum Jord.

[*Hieracium aridum* Freyn] = *Pilosella* × *arida*

[*Hieracium armeniacum* (Naeg. & Peter) Ueksip] = *Pilosella armeniaca*

(*Hieracium arvense* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

[*Hieracium arvicola* Naeg. & Peter] = *Pilosella* × *arvicola*

[*Hieracium asiaticum* (Naeg. & Peter) Ueksip] = *Pilosella asiatica*

(*Hieracium asperrimum* Schur) = *Pilosella* × *auriculoides*

Hieracium atratum Fr. aggr.

[*Hieracium atratum* Fr. subsp. *atrellum* Zahn] = *Hieracium atrellum*

[*Hieracium atratum* Fr. subsp. *ihrowyszczense* Zahn] = *Hieracium ihrowyszczense*

[*Hieracium atratum* Fr. subsp. *subnigrescens* (Fr. ex Norrl.) Zahn] = *Hieracium subnigrescens*

Hieracium atrellum (Zahn) Ueksip ~ *Hieracium atratum* aggr.

[*Hieracium aurantiacum* L.] = *Pilosella aurantiaca*

[*Hieracium aurantiacum* L. subsp. *carpathicola* Naeg. & Peter] = *Pilosella carpathicola*

Hieracium auratum Fr.

(*Hieracium auricula* Lam. & DC.) = *Pilosella lactucella*

[*Hieracium auriculoides* Lang] = *Pilosella* × *auriculoides*

[*Hieracium bauhini* Besser] = *Pilosella bauhini*

(*Hieracium bauhini*florum (Naeg. & Peter) Ueksip) = *Pilosella* × *mollicaulis*

[*Hieracium besserianum* Spreng.] = *Pilosella besseriana*

Hieracium bifidellum (Zahn) P.D.Sell & C.West

[*Hieracium bifidum* subsp. *cardiobasis* Zahn] = *Hieracium cardiobasis*

[*Hieracium bifidum* subsp. *lonchopodium* Zahn] = *Hieracium lonchopodium*

[*Hieracium bifidum* subsp. *psammogenes* Zahn] = *Hieracium ammobium*

[*Hieracium bifurcum* M.Bieb.] = *Pilosella* × *bifurca*

[*Hieracium blyttianum* Fr.] = *Pilosella* × *blyttiana*

?***Hieracium borodinianum*** Ueksip ~ *Hieracium vulgatum* aggr.

Note: Records from northern Ukraine need confirmation.

Hieracium borzawae (Wol. & Zahn) Schljak. ~ *Hieracium rohacsense*

(*Hieracium botrychodes* (Zahn) Ueksip, nom. inval.) = *Pilosella botrychodes*

[*Hieracium brachiatum* Bertol. ex Lam.] = *Pilosella* × *brachiata*

Hieracium bupleurifolioides (Zahn) Ueksip

Hieracium bupleurifolium (Tausch) Ueksip

{*Hieracium bupleuroides* auct. non C.C.Gmel.} = *Hieracium schenkii*

[*Hieracium bupleuroides* C.C.Gmel. subsp. *schenkii* (Griseb.) Naeg. & Peter] = *Hieracium schenkii*

Hieracium cacuminatum (Dahlst.) K.Joh.

Hieracium caesiogenum Wol. & Zahn ~ *Hieracium pseudobifidum* aggr.

Hieracium caesium (Fr.) Fr.

[*Hieracium caesium* (Fr.) Fr. subsp. *lugiorum* Zahn] = *Hieracium lugiorum*

[*Hieracium caespitosum* Dumort.] = *Pilosella caespitosa*

(*Hieracium callicymum* (Rehman) Ueksip, nom. inval.) = *Pilosella callicyma*

[*Hieracium calodon* Tausch ex Peter] = *Pilosella* × *calodon*

[*Hieracium calomastix* Peter] = *Pilosella* × *calomastix*

Hieracium carcarophyllum K.Joh. ~ *Hieracium murorum* aggr.

Hieracium cardiobasis (Zahn) Ueksip ~ *Hieracium bifidum* aggr.

Hieracium catenatum Sennikov

Note: Known from Lviv region (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84).

(*Hieracium cernuiforme* Naeg. & Peter) = *Pilosella* × *macrostolona*

Hieracium chlorocephalum Wimmer

Hieracium chlorophyllum Jord. ex Boreau

(*Hieracium christoglossum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*

Hieracium ciuriwkae (Wol. & Zahn) Schljak.

(*Hieracium colliniforme* (Peter) Roffley 1925, non Dalla Torre & Sarnth. 1912) = *Pilosella colliniformis*

[*Hieracium collinum* Gochn.] = *Pilosella* × *collina*

Hieracium conicum Arv.-Touv.

Hieracium cretaceum Arv.-Touv. & Gautier ex Sudre ~ *Hieracium maculatum* aggr.

Hieracium crocatum Fr.

(*Hieracium cymanthum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella cymantha*

(*Hieracium cymigerum* Rchb.) = *Pilosella vaillantii*

(*Hieracium cymosiforme* (Naeg. & Peter) Ueksip) = *Pilosella* × *densiflora*

[*Hieracium cymosum* L.] = *Pilosella cymosa*

Hieracium czeremoszense Wol. & Zahn

Hieracium czywczynae (Wol. & Zahn) Schljak. ~ *Hieracium krasanii* aggr.

Hieracium deanum (Zahn) Schljak. ~ *Hieracium pseudobifidum* aggr.

Hieracium decipiens Tausch ~ *Hieracium nigrescens* aggr.

Hieracium decipientiforme (Wol. & Zahn) Schljak. ~ *Hieracium nigrescens* aggr.

[*Hieracium densiflorum* Tausch] = *Pilosella* × *densiflora*

{*Hieracium dentatum* auct. non Hoppe} = *Hieracium sarmaticum*

[*Hieracium dentatum* Hoppe subsp. *sarmaticum* Zahn] = *Hieracium sarmaticum*

Hieracium diaphanoides Lindeb. aggr.

(*Hieracium discolor* (Naeg. & Peter) Ueksip) = *Pilosella* × *mollicaulis*

[*Hieracium dobromilense* Rehman] = *Pilosella dobromilensis*

(*Hieracium donetzicum* Kotov) = *Pilosella echioides*

(*Hieracium durisetum* (Naeg. & Peter) Ueksip) = *Pilosella* × *collina*

Hieracium echinocephalum (Naeg. & Peter) Ueksip

[*Hieracium echioides* Lumn.] = *Pilosella echioides*

(*Hieracium echiogenes* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

Hieracium epimedium Fr.

?**Hieracium euirriguum** (Zahn) Schljak.

Hieracium farinifloccosum (Degen & Zahn) Schljak. ~ *Hieracium rohacsense*

Hieracium fastigiatum Fr.

(*Hieracium fastigiatum* (Tausch ex Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella fastigiata*

[*Hieracium fennicum* (Norrl.) Norrl. ex Wain.] = *Pilosella* × *fennica*

Hieracium festinum Jord. ex Boreau

[*Hieracium filiferum* Tausch] = *Pilosella filifera*

Hieracium filifolium Ueksip ~ *Hieracium umbellatum* aggr.

[*Hieracium flagellare* Willd.] = *Pilosella* × *flagellaris*

(*Hieracium flagellariforme* G.Schneid.) = *Pilosella* × *progenita*

(*Hieracium floccipedunculum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella floccipeduncula*

[*Hieracium floribundum* Wimmer & Grab.] = *Pilosella* × *floribunda*

(*Hieracium foliosum* Waldst. & Kit.) = *Hieracium virosum*

Hieracium fritzei F.W.Schultz

[*Hieracium fuscoatrum* Naeg. & Peter] = *Pilosella* × *fuscoatra*

Hieracium galbanum (Dahlst.) K.Joh. ~ *Hieracium caesium* aggr.

[*Hieracium galiciense* Blocki] = *Pilosella galiciensis*

Hieracium gentile Jord. ex Boreau ~ *Hieracium murorum* aggr.

Hieracium glandulosodontatum Uechtr.

[*Hieracium glaucescens* Besser] = *Pilosella glaucescens*

Hieracium glaucinoides K.Maly ~ *Hieracium pseudobifidum* aggr.

[*Hieracium glomeratum* Froel.] = *Pilosella* × *glomerata*

(*Hieracium gnaphalium* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella* × *prussica*

Hieracium grandidens Dahlst. ~ *Hieracium silvularum*

Hieracium grofae Wol.

Hieracium gymnogenum (Zahn) Ueksip ~ *Hieracium alpinum* aggr.

[*Hieracium heothinum* (Naeg. & Peter) Ueksip] = *Pilosella heothina*

[*Hieracium hispidissimum* Rehman ex Naeg. & Peter] = *Pilosella hispidissima*

[*Hieracium hoppeanum* Schult.] = *Pilosella hoppeana*

Hieracium hryniawiense Wol.

Hieracium intersitum Jord. ex Boreau ~ *Hieracium maculatum* aggr.

Hieracium igoschinae Ueksip ~ *Hieracium diaphanoides* aggr.

Hieracium ihrowyszczense (Zahn) Schljak. ~ *Hieracium atratum* aggr.

(*Hieracium ingricum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella ingrica*

Hieracium jablonicense Wol.

Hieracium jackardii Zahn

(*Hieracium jailanum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*

Hieracium jaworowae (Zahn) Schljak. ~ *Hieracium praecurrens* aggr.

[*Hieracium kalksburgense* Wiesb.] = *Pilosella* × *kalksburgensis*

(*Hieracium koernickeanum* auct.) = *Pilosella* × *koernickeana*

Hieracium knafii (Čelak.) Zahn

[*Hieracium knappii* Blocki] = *Pilosella knappii*

[*Hieracium koernickeanum* (Naeg. & Peter) Zahn] = *Pilosella* × *koernickeana*

Hieracium krasanii Wol.

[*Hieracium krasanii* Wol. subsp. *czywczynae* Wol. & Zahn] = *Hieracium czywczynae*

[*Hieracium krasanii* Wol. subsp. *kukulense* Wol. & Zahn] = *Hieracium kukulense*

[*Hieracium krasanii* Wol. subsp. *pikujense* Wol. & Zahn] = *Hieracium pikujense*

[*Hieracium krasanii* Wol. subsp. *pseudonigritiforme* Zahn] = *Hieracium pseudonigritiforme*

Hieracium krivanense (Wol. & Zahn) Schljak. ~ *Hieracium scitulum* aggr.

Hieracium kukulense (Wol. & Zahn) Schljak. ~ *Hieracium krasanii* aggr.

[*Hieracium lactucella* Wallr.] = *Pilosella lactucella*

Hieracium laevigatum Willd.

[*Hieracium laevigatum* Willd. subsp. *ciuriwkae* Wol. & Zahn] = *Hieracium ciuriwkae*

[*Hieracium laevigatum* Willd. subsp. *knafii* (Čelak.) Zahn] = *Hieracium knafii*

[*Hieracium laevigatum* Willd. subsp. *lancidens* Zahn] = *Hieracium lancidens*

[*Hieracium laevigatum* Willd. subsp. *rigidum* (C.Hartm.) Zahn] = *Hieracium rigidum*

[*Hieracium laevigatum* Willd. subsp. *tridentatum* (Fr.) Zahn] = *Hieracium tridentatum*

Hieracium laevimarginatum Sennikov ~ *Hieracium murorum* aggr.

Note: This species has been recently described from Crimea, near Yalta (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84). Specimens of this species were previously misidentified as *H. gentile*.

[*Hieracium lamprocomum* (Naeg. & Peter) Ueksip] = *Pilosella* × *lamprocoma*
(*Hieracium lampromegas* Zahn subsp. *krivanense* Wol. & Zahn) = *Hieracium krivanense*
(*Hieracium lampromegas* Zahn subsp. *orthobrachion* Wol. & Zahn) = *Hieracium orthobrachion*

(*Hieracium lampromegas* Zahn subsp. *wysokae* Wol. & Zahn) = *Hieracium wysokae*

Hieracium lancidens (Zahn) Ueksip

Hieracium largum Fr.

Hieracium largum Fr. var. **pallonianum** (Zahn) Schljak.

{*Hieracium laurinum* auct. non Arv.-Touv.} = *Hieracium vasconicum*

(*Hieracium leptophyllum* Naeg. & Peter) = *Pilosella* × *ziziana*

{*Hieracium levicaule* auct. non Jord.} = *Hieracium triviale*

Hieracium liptoviense Borbás

(*Hieracium liptoviense* Borbás subsp. *borzawae* Wol. & Zahn) = *Hieracium borzawae*

[*Hieracium lithuanicum* (Naeg. & Peter) Ueksip] = *Pilosella lithuanica*

[*Hieracium lobarzewskii* Rehman] = *Pilosella* × *lobarzewskii*

Hieracium lomnicense Wol.

Hieracium lonchopodum (Zahn) Schljak. ~ *Hieracium bifidum* aggr.

(*Hieracium longipes* (K.Koch ex Naeg. & Peter) Ueksip) = *Pilosella* × *bifurca*

(*Hieracium longisetum* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

[*Hieracium longum* (Naeg. & Peter) Ueksip] = *Pilosella* × *longa*

Hieracium lugdunense Rouy

Hieracium lugiorum (Zahn) Schljak. ~ *Hieracium caesium* aggr.

(*Hieracium macrocymum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella macrocyma*

[*Hieracium macrolepium* (Naeg. & Peter) Ueksip] = *Pilosella submacrolepis*

[*Hieracium macrostolonum* G.Schneid.] = *Pilosella* × *macrostolona*

?**Hieracium maculatum** Schrank

Note: Reported from Transcarpathia (Fodor, 1974).

[*Hieracium maculatum* Schrank subsp. *cretaceum* (Arv.-Touv. & Gautier ex Sudre) Zahn] = *Hieracium cretaceum*

[*Hieracium magnaurecula* (Naeg. & Peter) Ueksip] = *Pilosella magnaurecula*

Hieracium magocsyanum Jáv.

[*Hieracium malacotrichum* (Naeg. & Peter) Ueksip] = *Pilosella malacotricha*

[*Hieracium marginale* (Naeg. & Peter) Ueksip] = *Pilosella marginalis*

(*Hieracium megalomastix* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella megalomastix*

[*Hieracium melaneilema* (Peter) Ueksip] = *Pilosella melaneilema*

Hieracium melanocephalum Tausch ~ *Hieracium alpinum* aggr.

[*Hieracium melinomas* Peter] = *Pilosella* × *melinomas*

(*Hieracium microsphaericum* (Zahn) Ueksip, nom. inval.) = *Pilosella* × *piloselliflora*

Hieracium microspilon (Jord. ex Sudre) Schljak. ~ *Hieracium murorum* aggr.

Hieracium mikulinkae (Zahn) Schljak. ~ *Hieracium praecurrens* aggr.

[*Hieracium mollicaulis* Vuk.] = *Pilosella* × *mollicaulis*

(*Hieracium mukacevense* Ueksip) = *Hieracium mukacevense*

Hieracium mukacevense Ueksip ~ *Hieracium diaphanoides* aggr.

Hieracium munkacsense Zahn ~ *Hieracium caesium* aggr.

Hieracium murorum L.

Hieracium neglectipilosum Sennikov ~ *Hieracium murorum* aggr.

Note: This species has been recently described from Crimea, near Yalta (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84). Specimens of this species were previously misidentified as *H. gentile*.

Hieracium nigrescens Willd.

[*Hieracium nigrescens* subsp. *decipientiforme* Wol. & Zahn = *Hieracium decipientiforme*

[*Hieracium nigrisetum* (Naeg. & Peter) Ueksip] = *Pilosella nigriseta*

Hieracium nigratum Uechtr.

Hieracium obliquum Jord.

Hieracium oblongum Jord. ~ *Hieracium murorum* aggr.

(*Hieracium obornyanum* Naeg. & Peter) = *Pilosella* × *polymastix*

[*Hieracium obscuribracteum* (Naeg. & Peter) Ueksip] = *Pilosella obscuribracteata*

[*Hieracium obscurum* Rchb.] = *Pilosella obscura*

[*Hieracium onegense* (Norrl.) Norrl.] = *Pilosella onegensis*

Hieracium orthobrachion (Wol. & Zahn) Schljak. ~ *Hieracium scitulum* aggr.

Hieracium pachycephalum (Fr. ex Uechtr.) Oborny

Hieracium paczoskianum Sennikov

Note: Known only from the type locality in Volhynia (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84).

(*Hieracium pallidum* Bivona-Bernardi f.) = *Hieracium schmidtii*

[*Hieracium pallonianum* Zahn] = *Hieracium largum* var. *pallonianum*

[*Hieracium paragogum* Naeg. & Peter] = *Pilosella* × *paragoga*

(*Hieracium pareyssianum* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

Hieracium paxianum Nyár. & Zahn

Hieracium pellucidum Laest. ~ *Hieracium murorum* aggr.

Hieracium percissum Jord. ex Boreau

?**Hieracium persimile** (Dahlst.) K. Joh. ~ *Hieracium murorum* aggr.

Note: The Ukrainian record needs confirmation.

Hieracium pikujense (Wol. & Zahn) Schljak. ~ *Hieracium krasanii* aggr.

[*Hieracium pilosella* L.] = *Pilosella officinarum*

[*Hieracium piloselliflorum* Naeg. & Peter] = *Pilosella* × *piloselliflora*

[*Hieracium piloselloides* Vill.] = *Pilosella piloselloides*

[*Hieracium plaicense* Wol. = *Pilosella plaicensis*

Hieracium pleiophyllogenes (Zahn) Schljak. ~ *Hieracium murorum* aggr.

Hieracium pleiophyllopsis (Zahn) Schljak. ~ *Hieracium praecurrens* aggr.

[*Hieracium plicatum* (Zahn) Ueksip] = *Pilosella plicatula*
***Hieracium pocuticum* Wol.**
?*Hieracium pojoritense* Wol.
 [*Hieracium polymastix* Peter] = *Pilosella* × *polymastix*
 [*Hieracium praealtum* Vill. ex Gochn.] = *Pilosella praealta*
***Hieracium praecipuum* Dahlst. ex Norrl. ~ *Hieracium diaphanoides* aggr.**
 [*Hieracium praecurrens* Vuk. var. *jaworowae* Zahn] = *Hieracium jaworowae*
 [*Hieracium praecurrens* Vuk. subsp. *mikulinkae* Zahn] = *Hieracium mikulinkae*
 [*Hieracium praecurrens* Vuk. subsp. *pleiophyllopsis* Zahn] = *Hieracium pleiophyllopsis*
 (*Hieracium pratense* Tausch) = *Pilosella caespitosa*
***Hieracium prenanthoides* Vill.**
 [*Hieracium proceriforme* (Naeg. & Peter) Zahn] = *Pilosella proceriformis*
 [*Hieracium procerum* Fr.] = *Pilosella procera*
 [*Hieracium progenitum* (Norrl.) Norrl.] = *Pilosella* × *progenita*
***Hieracium prolixum* Norrl. ~ *Hieracium bifidum* aggr.**
 [*Hieracium prussicum* Naeg. & Peter] = *Pilosella* × *prussica*
 (*Hieracium psammophilum* (Naeg. & Peter) Ueksip) = *Pilosella* × *calodon*
***Hieracium pseudatratum* Wol. ~ *Hieracium murorum* aggr.**
 (*Hieracium pseudauricula* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella* × *suecica*
 (*Hieracium pseudauriculoides* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella*
 pseudauriculoides
***Hieracium pseudobifidum* Schur**
 (*Hieracium pseudobrachiatum* Čelak.) = *Pilosella* × *brachiata*
***Hieracium pseudonigritiforme* (Zahn) Schljak. ~ *Hieracium krasanii* aggr.**
***Hieracium pseudopikujense* Zahn ~ *Hieracium krasanii* aggr.**
***Hieracium pseudostygium* Wol. ~ *Hieracium nigritum* aggr.**
***Hieracium querceticola* Jord. ex Boreau**
***Hieracium racemosum* Waldst. & Kit.**
***Hieracium rapunculoidiforme* Wol. & Zahn**
 (*Hieracium regiomontanum* Naeg. & Peter) = *Pilosella* × *floribunda*
 (*Hieracium rehmanii* (Naeg. & Peter) Ueksip 1960, non Wol. 1891) = *Pilosella* × *roxolanica*
***Hieracium rigidum* C.Hartm.**
***Hieracium robustum* Fr.**
 [*Hieracium robustum* Fr. subsp. *largum* (Fr.) Zahn] = *Hieracium largum*
 [*Hieracium robustum* Fr. subsp. *pallonianum* (Zahn) Zahn] = *Hieracium largum* var.
 pallonianum
***Hieracium rohacsense* Kit. ex Kanitz**
 [*Hieracium rojowskii* Rehman] = *Pilosella rojowskii*
 [*Hieracium rothianum* Wallr.] = *Pilosella* × *rothiana*
***Hieracium rotundatum* Kit. ex Schult.**
 [*Hieracium roxolanicum* Rehman] = *Pilosella* × *roxolanica*

(*Hieracium rubricymigerum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella* × *roxolanica*

Hieracium rupicoloides Wol. ~ *Hieracium caesium* aggr.

[*Hieracium sabaudum* L. subsp. *auratum* (Fr.) Zahn] = *Hieracium auratum*

[*Hieracium sabaudum* L. subsp. *lugdunense* (Rouy) Zahn] = *Hieracium lugdunense*

[*Hieracium sabaudum* L. subsp. *obliquum* (Jord.) Zahn] = *Hieracium obliquum*

[*Hieracium sabaudum* L. subsp. *scabiosum* (Sudre) Zahn] = *Hieracium scabiosum*

[*Hieracium sabaudum* L. subsp. *vagum* (Jord.) Zahn] = *Hieracium vagum*

Hieracium sarmaticum (Zahn) Schljak.

(*Hieracium sarmentosum* Froel.) = *Pilosella* × *auriculoides*

Hieracium scabiosum (Sudre) Ueksip

Hieracium scitulum Wol.

Hieracium schenkii (Griseb.) Schljak.

?***Hieracium schmidtii*** Tausch

Note: Reported by S. Fodor (1974), probably erroneously.

[*Hieracium schultesii* F.Schultz] = *Pilosella* × *schultesii*

[*Hieracium sciadophorum* Naeg. & Peter] = *Pilosella* × *sciadophora*

Hieracium scitulum Wol.

Hieracium serratifolium Jord. ex Boreau ~ *Hieracium murorum* aggr.

Hieracium silesiacum Krause ~ *Hieracium sparsum* aggr.

Hieracium silvularum Jord. ex Boreau ~ *Hieracium murorum* aggr.

Hieracium sparsum Friv.

(*Hieracium spathophyllum* Naeg. & Peter) = *Pilosella* × *fennica*

(*Hieracium sterromastix* (Naeg. & Peter) Ueksip) = *Pilosella* × *bifurca*

[*Hieracium stoloniflorum* Waldst. & Kit.] = *Pilosella* × *stoloniflora*

Hieracium stygium Uechtr. ~ *Hieracium nigratum* aggr.

(*Hieracium subambiguum* (Naeg. & Peter) Ueksip) = *Pilosella* × *glomerata*

Hieracium subnigrescens (Fr. ex Norrl.) Ueksip ~ *Hieracium atratum* aggr.

?{*Hieracium subnigriceps* (Zahn) Ueksip}

Note: Mentioned in literature, but no reliable records are available from Ukraine.

Hieracium subpleiophyllum (Zahn) Schljak. ~ *Hieracium pseudobifidum* aggr.

Hieracium subviriduliceps (Zahn) Schljak.

Hieracium sudeticum Sternb.

[*Hieracium sudetorum* (Peter) Weiss] = *Pilosella* *sudetorum*

[*Hieracium succicum* (Fr.) Naeg. & Peter] = *Pilosella* × *succica*

?{*Hieracium sulphureum* Döll}

Note: *Pilosella* × *sulphurea* (Döll) F.Schultz & Sch.Bip. (= *Hieracium sulphureum*) has been reported from Ukraine erroneously.

(*Hieracium silvularum* Jord. ex Boreau) = *Hieracium silvularum*

?{*Hieracium szovitsii* (Naeg. & Peter) Ueksip}

Note: This Caucasian species (*Pilosella* × *bifurca* group) has been once reported from Crimea, most probably erroneously.

(*Hieracium tanythrix* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

(*Hieracium tatrense* Naeg. & Peter) = *Pilosella* × *flagellaris*
[*Hieracium tephrocephalum* Vuk.] = *Pilosella* × *tephrocephala*
(*Hieracium tephropodium* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*
?{*Hieracium thaumasioides* (Peter) Ueksip}

Note: This species (*Pilosella thaumasioides* (Peter) Schljak.) is not known from Ukraine. It was reported in literature provisionally, without actual localities.

[*Hieracium thaumasium* (Peter) Weiss] = *Pilosella thaumasia*

Hieracium thyracium Blocki ~ *Hieracium caesium* aggr.

Hieracium transsilvanicum Heuff. ~ *Hieracium rotundatum* aggr.

(*Hieracium tricheilema* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella tricheilema*

Hieracium tridentatum (Fr.) Fr.

Hieracium triviale Norrl.

Hieracium truncipilum (Thaisz & Zahn) Schljak.

(*Hieracium tubuliflorum* (Naeg. & Peter) Ueksip) = *Pilosella* × *brachiata*

(*Hieracium tuscheticum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*

Hieracium uczanssunense Ueksip

Hieracium ukierniae Wol. & Zahn

Hieracium umbellatum L.

(*Hieracium umbelliferum* Naeg. & Peter) = *Pilosella* × *densiflora*

(*Hieracium umbellosum* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

Hieracium umbrosum Jord.

Hieracium vagum Jord.

[*Hieracium vaillantii* Tausch] = *Pilosella vaillantii*

[*Hieracium varatinense* Wol.] = *Pilosella varatinense*

Hieracium vasconicum Jord. ex Boreau

[*Hieracium verruculatum* Link] = *Pilosella verruculata*

Hieracium villosipes Pax

Hieracium villosum Jacq.

(*Hieracium vindobonae* (Zahn) Ueksip) = *Pilosella* × *bifurca*

Hieracium virgicuale Naeg. & Peter

Hieracium virgultorum Jord.

Hieracium virosum Pall.

(*Hieracium viscidulum* (Tausch) Ueksip, nom. inval.) = *Pilosella viscidula*

(*Hieracium volhynicum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella volhynica*

Hieracium vulgatum Fr. aggr.

[*Hieracium vulgatum* Fr. subsp. *acuminatum* (Jord.) Zahn] = *Hieracium acuminatum*

[*Hieracium vulgatum* Fr. subsp. *cacuminatum* (Dahlst.) Zahn] = *Hieracium cacuminatum*

[*Hieracium vulgatum* Fr. subsp. *festinum* (Jord. ex Boreau) Zahn] = *Hieracium festinum*

[*Hieracium vulgatum* Fr. subsp. *subviriduliceps* Zahn] = *Hieracium subviriduliceps*

[*Hieracium vulgatum* Fr. subsp. *truncipilum* Thaisz & Zahn] = *Hieracium truncipilum*

Hieracium wimmeri Uechtr.

Hieracium worochtae Wof. & Zahn

Hieracium wysokae (Wof. & Zahn) Schljak. ~ *Hieracium scitulum* aggr.

[*Hieracium zizianum* Tausch] = *Pilosella* × *ziziana*

Homogyne alpina (L.) Cass.

Hypochaeris glabra L.

Hypochaeris maculata L.

Hypochaeris radicata L.

Hypochaeris uniflora Vill.

(*Hypochoeris*, *ortho*) = *Hypochaeris*

Inula aspera Poir.

Inula britannica L.

Inula caspica Blum ex Ledeb.

(*Inula conyza* DC.) = *Inula conyzae*

Inula conyzae (Greiss.) Meikle

Inula ensifolia L.

Inula germanica L.

Inula helenium L.

Inula hirta L.

Inula × **media** M.Bieb. = *Inula germanica* × *Inula salicina* s.l.

Inula oculus-christi L.

Inula sabuletorum Czern. ex Lavrenko ~ *Inula salicina*

Inula salicina L.

[*Inula salicina* subsp. *aspera* (Poir.) Hayek] = *Inula aspera*

[*Inula salicina* subsp. *sabuletorum* (Czern. ex Lavrenko) Soják] = *Inula sabuletorum*

Inula thapsoides (M.Bieb.) Spreng.

(*Inula vulgaris* (Lam.) Trevis.) = *Inula conyza*

Iva xanthiifolia Nutt.

(*Jacea pannonica* (Heuff.) Soják) = *Centaurea pannonica*

(*Jacea phrygia* (L.) Soják) = *Centaurea phrygia*

(*Jacea phrygia* (L.) Soják subsp. *melanocalathia* (Borbás) Soják) = *Centaurea melanocalathia*

(*Jacea pratensis* Lam.) = *Centaurea jacea*

(*Jacea pseudophrygia* (C.A.Mey.) Holub) = *Centaurea pseudophrygia*

(*Jacea stenolepis* (A.Kern.) Soják) = *Centaurea stenolepis*

Jurinea arachnoidea Bunge
Jurinea brachycephala Klokov ~ *Jurinea stoechadifolia* s.l.
Jurinea calcarea Klokov
Jurinea centauroides Klokov ~ *Jurinea cyanoides* s.l.
 (*Jurinea charcoviensis* Klokov) = *Jurinea cyanoides*
 {*Jurinea cretacea* auct. non Bunge} = *Jurinea talievii*
Jurinea cyanoides (L.) Rchb.
 {*Jurinea eversmannii* auct. non Bunge} = *Jurinea granitica*
Jurinea granitica Klokov ~ *Jurinea eversmannii*
 (*Jurinea laxa* Fisch. ex Iljin) = *Jurinea longifolia*
 {*Jurinea ledebourii* auct. non Bunge} = *Jurinea pseudomollis* & *Jurinea sordida*
 (*Jurinea linearifolia* DC.) = *Jurinea multiflora*
Jurinea longifolia DC.
Jurinea michelsonii Iljin
Jurinea mollissima Klokov
Jurinea multiflora (L.) B.Fedtsch.
Jurinea pachysperma Klokov ~ *Jurinea michelsonii*
Jurinea paczoskiana Iljin ~ *Jurinea longifolia* s.l.
 (*Jurinea pseudocyanoides* Klokov) = *Jurinea cyanoides*
Jurinea pseudomollis Klokov ~ *Jurinea ledebouri* s.l.
Jurinea salicifolia Grun.
Jurinea sordida Steven
Jurinea stoechadifolia (M.Bieb.) DC.
Jurinea talievii Klokov ~ *Jurinea cretacea* s.l.
 {*Jurinea tanaitica* auct. non Klokov} = *Jurinea thyrsoiflora*
 {*Jurinea tenuiloba* auct. non Bunge} = *Jurinea thyrsoiflora* s.str.
Jurinea thyrsoiflora Klokov ~ *Jurinea tenuiloba* s.l.
 (*Jurinea tyraica* Klokov, s.str.) = *Jurinea mollissima*
 {*Jurinea tyraica* Klokov, p.p.} = *Jurinea michelsonii*

Koelpinia linearis Pall.

Note: Reported from Poltava as a rare casual alien.

(*Lactuca altissima* M.Bieb.) = *Lactuca chaixii*
Lactuca chaixii Vill. ~ *Lactuca quercina* s.l.
 (*Lactuca muralis* (L.) Gaertn.) = *Mycelis muralis*
Lactuca perennis L.
Lactuca quercina L.
 [*Lactuca quercina* L. subsp. *chaixii* (Vill.) Čelak.] = *Lactuca chaixii*
 [*Lactuca quercina* L. subsp. *sagittata* (Waldst. & Kit.) Čelak.] = *Lactuca chaixii*
 (*Lactuca sagittata* Waldst. & Kit.) = *Lactuca chaixii*

Lactuca saligna L.

*!**Lactuca sativa** L.

(*Lactuca scariola* L.) = *Lactuca serriola*

Lactuca serriola L.

?**Lactuca sibirica** (L.) Benth. ex Maxim.

Note: Reported from Ternopil region; needs confirmation.

(*Lactuca stricta* Waldst. & Kit.) = *Lactuca quercina*

Lactuca tatarica (L.) C.A.Mey.

(*Lactuca tuberosa* Jacq.) = *Steptorhamphus tuberosus*

[*Lactuca viminea* (L.) J.Presl & C.Presl] = *Scariola viminea*

(*Lactuca wilhelmsiana* Fisch. & C.A.Mey. ex DC.) = *Lactuca quercina*

4 [Lagedium tataricum (L.) Soják] = *Lactuca tatarica*

Lagoseris callicephala Juz.

Conservation status: ERL (R).

Lagoseris purpurea (Willd.) Boiss.

Conservation status: RDBU (3); IUCN RL (E); ERL (R).

(*Lagoseris robusta* Czerep.) = *Lagoseris purpurea*

[*Lagoseris sancta* (L.) K.Maly] = *Pterotheca sancta*

(*Lagoseris taurica* M.Bieb., nom. illeg.) = *Lagoseris purpurea*

Lamyra echinocephala (Willd.) Tamamsch.

[*Laphangium luteoalbum* (L.) Tzvelev] = *Gnaphalium luteoalbum*

(*Lapsana aipetriensis* Vassilcz.) = *Lapsana intermedia*

{*Lapsana alpina* auct. non Boiss. & Balansa} = *Lapsana intermedia*

Lapsana communis L.

[*Lapsana communis* L. subsp. *intermedia* (M.Bieb.) Hayek] = *Lapsana intermedia*

{*Lapsana grandiflora* auct. non M.Bieb.} = *Lapsana intermedia*

(*Lapsana grandiflora* M.Bieb. var. *intermedia* (M.Bieb.) Schmalh.) = *Lapsana intermedia*

Lapsana intermedia M.Bieb.

(*Lapsana rhagadiolus* L.) = *Rhagadiolus edulis*

***Layia elegans** Torr. & A.Gray

(*Leontodon asper* (Waldst. & Kit.) Poir. 1814, non Forssk. 1775) = *Leontodon biscutellifolius*

{*Leontodon asperus* auct.} = *Leontodon biscutellifolius*

Leontodon autumnalis L.

Leontodon autumnalis L. subsp. *pratensis* (Link) Arcang.

(*Leontodon autumnalis* L. var. *pratensis* (Link) W.D.J.Koch) = *Leontodon autumnalis* subsp. *pratensis*

(*Leontodon autumnalis* L. var. *alpinus* Gaudin) = *Leontodon autumnalis* subsp. *pratensis*
***Leontodon biscutellifolius* DC.**

***Leontodon caucasicus* (M.Bieb.) Fisch.**

***Leontodon caucasicus* (M.Bieb.) Fisch. var. *jailae* (Klokov) Geltman**
{*Leontodon crispus* auct. non Vill.} = *Leontodon biscutellifolius*

***Leontodon croceus* Haenke**

***Leontodon danubialis* Jacq.**

(*Leontodon danubialis* Jacq. var. *optimus* W.D.J.Koch) = *Leontodon kulczynskii*
(*Leontodon gutzulorum* V.Vassil.) = *Leontodon autumnalis* subsp. *pratensis*

***Leontodon hispidus* L.**

{*Leontodon hispidus* L. subsp. *danubialis* (Jacq.) Simonk.} = *Leontodon danubialis*

{*Leontodon hispidus* L. subsp. *optimus* (W.D.J.Koch) Finch & P.D.Sell} = *Leontodon kulczynskii*

(*Leontodon hirtus* Roth) = *Leontodon saxatilis*

{*Leontodon jailae* Klokov} = *Leontodon caucasicus* var. *jailae*

(*Leontodon keretinus* Nyl.) = *Leontodon autumnalis*

***Leontodon kulczynskii* M.Pop.**

(*Leontodon montanus* Lam. subsp. *pseudotaraxaci* (Schur) Finch & P.D.Sell) = *Leontodon pseudotaraxaci*

(*Leontodon pratensis* (Link) Rchb.) = *Leontodon autumnalis* subsp. *pratensis*

***Leontodon pseudotaraxaci* Schur ~ *Leontodon montanus* s.l.**

(*Leontodon repens* Schur, nom. illeg.) = *Leontodon kulczynskii*

{*Leontodon rilaensis* auct. non Hayek} = *Leontodon croceus*

***Leontodon saxatilis* Lam.**

(*Leontodon schischkinii* V.Vassil.) = *Leontodon danubialis*

(*Leontodon taraxacoides* (Vill.) MÉRAT 1831, non Hoppe & Hornsch. 1821) = *Leontodon saxatilis*

***Leontopodium alpinum* Cass.**

Conservation status: RDBU (1).

***Lepidotheca suaveolens* (Pursh) Nutt.**

***Leucanthemella serotina* (L.) Tzvelev**

***Leucanthemopsis alpina* (L.) Heyw.**

Note: Plants from the Carpathians probably belong to *Leucanthemopsis tatrae* (Vierh.)

Holub [= *L. alpina* subsp. *tatrae* (Vierh.) Tzvelev]

(*Leucanthemum adustum* (W.D.J.Koch) Gremli subsp. *margaritae* (Gáyer ex Jáv.) Holub) =
Leucanthemum margaritae
(*Leucanthemum gaudinii* Dalla Torre) = *Leucanthemum subalpinum*
Leucanthemum ircutianum Turcz. ex DC.
Leucanthemum margaritae (Gáyer ex Jáv.) Soó
*!***Leucanthemum maximum*** (Ramond) DC.
(*Leucanthemum raciborskii* M.Pop. & Chrshan.) = *Leucanthemum subalpinum*
Leucanthemum rotundifolium (Waldst. & Kit. ex Willd.) DC.
(*Leucanthemum serotinum* (L.) Stank.) = *Leucanthemella serotina*
Leucanthemum subalpinum (Schur) Tzvelev
Leucanthemum vulgare Lam.
[*Leucanthemum vulgare* Lam. subsp. *ircutianum* (Turcz. ex DC.) Tzvelev] = *Leucanthemum ircutianum*
[*Leucanthemum vulgare* Lam. subsp. *margaritae* (Gáyer ex Jáv.) Soó] = *Leucanthemum margaritae*
[*Leucanthemum vulgare* Lam. subsp. *subalpinum* (Schur) Soó] = *Leucanthemum subalpinum*
(*Leucanthemum waldsteinii* (Sch.Bíp.) Pouzar, nom. illeg.) = *Leucanthemum rotundifolium*

(*Leuzea altaica* (Fisch. ex Spreng.) Link) = *Rhaponticum serratuloides*

Ligularia bucovinensis Nakai

Conservation status: RDBU (1).

Ligularia carpatica (Schott, Nyman & Kotschy) Pojark.

{*Ligularia glauca* auct. non (L.) O.Hoffm.} = *Ligularia bucovinensis*

{*Ligularia sibirica* auct. non (L.) Cass.} = *Ligularia bucovinensis*

(*Linosyris villosa* (L.) DC.) = *Galatella villosa*

(*Linosyris vulgaris* Cass. ex Less.) = *Galatella vulgaris*

[*Logfia arvensis* (L.) Holub] = *Filago arvensis*

[*Logfia minima* (Smith) Dumort.] = *Filago minima*

****Madia sativa*** Molina

(*Matricaria chamomilla* L. 1753, nom. ambig.) = *Tripleurospermum inodorum*

(*Matricaria chamomilla* L. 1755, nom. ambig.) = *Matricaria recutita*

(*Matricaria chamomilla* L. subsp. *tzvelevii* (Pobed.) Soó) = *Matricaria tzvelevii*

[*Matricaria discoidea* DC.] = *Lepidotheca suaveolens*

(*Matricaria inodora* L., nom. illeg. superfl.) = *Tripleurospermum inodorum*

(*Matricaria matricarioides* (Less.) Porter) = *Lepidotheca suaveolens*

(*Matricaria parthenium* L.) = *Pyrethrum parthenium*

(*Matricaria parviflora* (Willd.) Poir.) = *Tripleurospermum parviflorum*

(*Matricaria perforata* Mérat) = *Tripleurospermum inodorum*

(*Matricaria praecox* (M.Bieb.) DC. = *Tripleurospermum parviflorum*

***Matricaria recutita* L.**

(*Matricaria suaveolens* (Pursh) Buchenau 1894, non L. 1755) = *Lepidotheca suaveolens*

***Matricaria tzvelevii* Pobed.**

(*Micropus discolor* Pers.) = *Bombycilaena discolor*

(*Micropus erectus* L.) = *Bombycilaena erecta*

(*Mulgedium tataricum* (L.) DC.) = *Lactuca tatarica*

***Mycelis muralis* (L.) Dumort.**

(*Odontolophus trinervius* (Stephan) Dobroc.) = *Centaurea trinervia*

[*Omalotheca hoppeana* (W.D.J.Koch) Sch.Bip. & F.W.Schultz] = *Gnaphalium hoppeanum*

[*Omalotheca norvegica* (Gunn.) Sch.Bip. & F.W.Schultz] = *Gnaphalium norvegicum*

[*Omalotheca supina* (L.) DC.] = *Gnaphalium supinum*

[*Omalotheca sylvatica* (L.) Sch.Bip. & F.W.Schultz] = *Gnaphalium sylvaticum*

(*Onopordon acanthium* L., ortho) = *Onopordum acanthium*

***Onopordum acanthium* L.**

***Onopordum tauricum* Willd.**

***Pallenis spinosa* (L.) Cass.**

****Parthenium argentatum* A.Gray**

***Petasites albus* (L.) P.Gaertn.**

***Petasites hybridus* (L.) P.Gaertn., B.Mey. & Scherb.**

***Petasites hybridus* (L.) P.Gaertn., B.Mey. & Scherb. subsp. *ochroleucus* (Boiss. & Huet.)**

Sourek

***Petasites kablikianus* Tausch ex Bercht.**

Note: Probably a hybrid *P. albus* × *P. hybridus*. Ukrainian specimens identified as *P.*

kablikianus are represented mostly by *P. albus*. However, the true *P. kablikianus* also occurs in Ukraine.

[*Petasites ochroleucus* Boiss. & Huet.] = *Petasites hybridus* subsp. *ochroleucus*

***Petasites spurius* (Retz.) Rechb.**

Phalacrachena inuloides (Fisch. ex Schmalh.) Iljin

Phalacroloma annuum (L.) Dumort.

[*Phalacroloma annuum* (L.) Dumort. subsp. *septentrionale* (Fernald & Wiegand) Adema] =
Phalacroloma septentrionale

[*Phalacroloma annuum* (L.) Dumort. subsp. *strigosum* (Muehl. ex Willd.) Adema] =
Phalacroloma strigosum

Phalacroloma septentrionale (Fernald & Wiegand) Tzvelev ~ *Phalacroloma annuum* aggr.

Phalacroloma strigosum (Muehl. ex Willd.) Tzvelev ~ *Phalacroloma annuum* aggr.

Picnomon acarna (L.) Cass.

Picris echioides L.

Picris hieracioides L.

Picris pauciflora Willd.

Picris rigida Ledeb. ex Spreng.

{*Picris strigosa* auct. non M.Bieb.} = *Picris rigida*

Note: *Picris strigosa* has been erroneously reported from Crimea.

Pilosella acutisquama (Naeg. & Peter) Schljak. ~ *Pilosella lactucella* aggr.

Pilosella adenoclada (Rehman) Schljak. ~ *Pilosella bauhini* aggr.

Pilosella agathantha (Rehman) Schljak. ~ *Pilosella bauhini* aggr.

Pilosella amaureilema (Naeg. & Peter) Schljak. ~ *Pilosella lactucella* aggr.

Pilosella × *apatelia* (Naeg. & Peter) Soják

Pilosella aquilonaris (Naeg. & Peter) Schljak. ~ *Pilosella praealta* aggr.

Pilosella × *arida* (Freyn) Schljak.

Pilosella armeniaca (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.

Pilosella × *arvicola* (Naeg. & Peter) Soják

Pilosella asiatica (Naeg. & Peter) Schljak. ~ *Pilosella echioides* aggr.

Pilosella aurantiaca (L.) F.Schultz & Sch.Bip.

Pilosella × *auriculoides* (A.F.Lang) F.Schultz

Pilosella bauhini (Besser) Arv.-Touv.

Pilosella besseriana (Spreng.) Schljak. ~ *Pilosella glaucescens* aggr.

Pilosella × *bifurca* (M.Bieb.) F.Schultz & Sch.Bip.

Pilosella × *blyttiana* (Fr.) F.Schultz & Sch.Bip.

Pilosella botrychodes (Zahn) Schljak.

Pilosella × *brachiata* (Bertol. ex Lam.) F.Schultz & Sch.Bip.

Pilosella caespitosa (Dumort.) P.D.Sell & C. West

Pilosella callicyma (Rehman) Schljak. ~ *Pilosella bauhini* aggr.

Pilosella × *calodon* (Tausch ex Peter) Soják

Pilosella × *calomastix* (Peter) Soják

Pilosella carpathicola (Naeg. & Peter) Schljak. ~ *Pilosella aurantiaca* aggr.
Pilosella chauncocyma (Rehman) Schljak. ~ *Pilosella bauhini* aggr.
Pilosella* × *collina (Gochn.) Soják
Pilosella colliniformis (Rehman) Dostál ~ *Pilosella caespitosa* aggr.
Pilosella cymantha (Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.
Pilosella cymosa (L.) F.Schultz & Sch.Bip
Pilosella* × *densiflora (Tausch) Soják
Pilosella dilutior (Rehman) Schljak. ~ *Pilosella praealta* aggr.
Pilosella dobromilensis (Rehman) Schljak. ~ *Pilosella bauhini* aggr.
Pilosella dolinensis (Rehman) Schljak. ~ *Pilosella praealta* aggr.
Pilosella dublanensis (Rehman) Schljak. ~ *Pilosella caespitosa* aggr.
Pilosella echioides (Lumn.) F.Schultz & Sch.Bip.
Pilosella fastigiata (Tausch ex Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.
Pilosella* × *fennica (Norrl.) Norrl.
Pilosella ferroviae (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella filifera (Tausch) Schljak. ~ *Pilosella glaucescens* aggr.
(*Pilosella* × *flagellariformis* (G.Schneid.) Soják) = *Pilosella* × *progenita*
Pilosella* × *flagellaris (Willd.) Arv.-Touv.
Pilosella floccipeduncula (Naeg. & Peter) Schljak. ~ *Pilosella praealta* aggr.
Pilosella* × *floribunda (Wimmer & Grab.) Fr.
Pilosella* × *fuscoatra (Naeg. & Peter) Soják
Pilosella galiciensis (Blocki) Schljak. ~ *Pilosella praealta* aggr.
Pilosella glaucescens (Besser) Soják.
Pilosella glaucochroa (Naeg. & Peter) Schljak. ~ *Pilosella onegensis* aggr.
Pilosella* × *glomerata (Froel.) Fr.
Pilosella heothina (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella hispidissima (Rehman ex Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.
Pilosella hoppeana (Schult.) F.Schult. & Sch.Bip.
Note: Reported from Crimea; records uncertain.
Pilosella ingrica (Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.
Pilosella* × *kalksburgensis (Wiesb.) Soják
Pilosella knappii (Blocki) Schljak. ~ *Pilosella praealta* aggr.
Pilosella* × *koernickeana (Naeg. & Peter) Soják
Pilosella lactucella (Wallr.) P.D.Sell & C.West
Pilosella* × *lamprocoma (Naeg. & Peter) Schljak.
Pilosella limenyensis (Zahn) Schljak. ~ *Pilosella bauhini* aggr.
?***Pilosella lithuanica*** (Naeg. & Peter) Schljak.
Note: Records from Ukraine need confirmation.
Pilosella* × *lobarzewskii (Rehman) Soják
Pilosella* × *longa (Naeg. & Peter) Schljak.
Pilosella macrocyma (Naeg. & Peter) Schljak. ~ *Pilosella echioides* aggr.
Pilosella* × *macrostolona (G.Schneid.) Soják

Pilosella magnaauricula (Naeg. & Peter) Schljak. ~ *Pilosella lactucella* aggr.
Pilosella malacotricha (Naeg. & Peter) Schljak. ~ *Pilosella echioides* aggr.
Pilosella marginalis (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella megalomastix (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella melaneilema (Peter) Schljak. ~ *Pilosella lactucella* aggr.
Pilosella × *melinomas* (Peter) Holub
Pilosella mnooclada (Rehman) Schljak. ~ *Pilosella bauhinii* aggr.
Pilosella × *mollicaulis* (Vuk.) Soják
Pilosella myriotricha (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella neriedowae (Wol. & Zahn) Schljak. ~ *Pilosella aurantiaca* aggr.
Pilosella nigriseta (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella obscura (Rechb.) Soják ~ *Pilosella praealta* aggr.
Pilosella obscuribracteata (Naeg. & Peter) Schljak. ~ *Pilosella bauhinii* aggr.
Pilosella officinarum F.Schult. & Sch.Bip.
Pilosella onegensis Norrl.
Pilosella × *paragoga* (Naeg. & Peter) Soják
Pilosella × *piloselliflora* (Naeg. & Peter) Soják
? *Pilosella piloselloides* (Vill.) Soják

Note: Probably occurs in Crimea (can be expected in the Carpathians), but needs confirmation.

Pilosella × *plaicensis* (Wol.) Soják
Pilosella plicatula (Zahn) Schljak. ~ *Pilosella bauhinii* aggr.
Pilosella × *podolica* (Rehman) Schljak.
Pilosella × *polymastix* (Peter) Holub
Pilosella praealta (Vill. ex Gochn.) F.Schultz & Sch.Bip.
Pilosella procera (Fr.) F.Schultz & Sch.Bip. ~ *Pilosella verruculata* aggr.
Note: In Ukraine occurs only in Crimea.
Pilosella proceriformis (Naeg. & Peter) Soják ~ *Pilosella echioides* aggr.
Pilosella × *progenita* Norrl.
Pilosella × *prussica* (Naeg. & Peter) Soják
Pilosella przybyslawskii (Rehman) Schljak. ~ *Pilosella hoppeana* aggr.
Pilosella pseudauriculoides (Naeg. & Peter) Schljak. ~ *Pilosella bauhinii* aggr.
Pilosella pseudomegalomastix (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella pseudosparsa (Zahn) Schljak. ~ *Pilosella bauhinii* aggr.
Pilosella rawaruskana (Zahn) Schljak. ~ *Pilosella caespitosa* aggr.
Pilosella rojowskii (Rehman) Schljak. ~ *Pilosella bauhinii* aggr.
Pilosella × *rothiana* (Wallr.) F.Schultz & Sch.Bip.
Pilosella × *roxolanica* (Rehman) Soják
Pilosella × *schultesii* (F.Schultz) F.Schultz & Sch.Bip.
Pilosella × *sciadophora* (Naeg. & Peter) Soják

Pilosella × stoloniflora (Waldst. & Kit.) Fr.
Pilosella suaeva (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella subaurantiaca (Naeg. & Peter) Schljak. ~ *Pilosella aurantiaca* aggr.
Pilosella submacrolepis Schljak. ~ *Pilosella hoppeana* aggr.
Pilosella sudetorum (Peter) Dostál ~ *Pilosella caespitosa* aggr.
Pilosella × suecica (Fr.) F.Schultz & Sch.Bip.
Pilosella × tephrocephala (Vuk.) Soják
Pilosella thaumasia (Peter) Dostál ~ *Pilosella bauhinii* aggr.
Pilosella tricheilema (Naeg. & Peter) Schljak. ~ *Pilosella lactucella* aggr.
Pilosella vaillantii (Tausch) Soják
Pilosella varatinensis (Wol.) Soják ~ *Pilosella bauhinii* aggr.
Pilosella verruculata (Link) Soják
 Note: Only in Kiev (introduced ?).
Pilosella viscidula (Tausch) Schljak.
Pilosella volhynica (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.
Pilosella vulpina (Rehman) Schljak. ~ *Pilosella hoppeana* aggr.
Pilosella × ziziana (Tausch) F.Schultz & Sch.Bip.

[Podospermum canum C.A.Mey.] = *Scorzonera cana*
 [Podospermum laciniatum (L.) DC.] = *Scorzonera laciniata*
 (Podospermum molle (M.Bieb.) Fisch. & C.A.Mey.) = *Scorzonera mollis*

Prenanthes purpurea L.

[Psephellus declinatus (M.Bieb.) K.Koch] = *Centaurea declinata*
 {Psephellus leucophyllus auct. non Boiss.} = *Centaurea declinata*

(Pseudognaphalium luteoalbum (L.) O.M.Hilliard & B.L.Burt) = *Gnaphalium luteoalbum*

[Pseudopodospermum molle (M.Bieb.) Kuth.] = *Scorzonera mollis*

(Ptarmica borysthenica Klokov & Sakalo) = *Ptarmica salicifolia*
Ptarmica cartilaginea (Ledeb. ex Rchb.) Ledeb. ~ *Ptarmica salicifolia*
Ptarmica lingulata (Waldst. & Kit.) DC.

Conservation status: RDBU (3).

Ptarmica salicifolia (Besser) Serg.

[*Ptarmica salicifolia* (Besser) Serg. subsp. *cartilaginea* (Ledeb. ex Rchb.) Tzvelev] = *Ptarmica cartilaginea*

Ptarmica tenuifolia (Schur) Schur

Conservation status: RDBU (1); IUCN RL (R), as *Achillea oxyloba* ssp. *schuri*.

Ptarmica vulgaris Blackw. ex DC.

Pterotheca sancta (L.) K.Koch

[*Ptilostemon echinocephalus* (Willd.) Greuter] = *Lamyra echinocephala*

Pulicaria dysenterica (L.) Bernh.

(*Pulicaria prostrata* (Gilib.) Asch.) = *Pulicaria vulgaris*

Pulicaria uliginosa Steven ~ *Pulicaria dysenterica*

Pulicaria vulgaris Gaertn.

(*Pyrethrum achilleifolium* M.Bieb.) = *Tanacetum achilleifolium*

[*Pyrethrum alpinum* (L.) Schrank] = *Leucanthemopsis alpina*

(*Pyrethrum balsamita* (L.) Willd.) = *Balsamita major*

(*Pyrethrum baumanii* Steven) = *Tanacetum millefolium*

*!**Pyrethrum cinerariifolium** Trev.

Pyrethrum clusii Fisch. ex Rehb.

Pyrethrum corymbosum (L.) Scop.

*!**Pyrethrum macrophyllum** (Waldst. & Kit.) Willd.

(*Pyrethrum majus* (Desf.) Tzvelev) = *Balsamita major*

(*Pyrethrum millefoliatum* (L.) Willd.) = *Tanacetum millefolium*

(*Pyrethrum myconis* (L.) Moench) = *Coleostephus myconis*

(*Pyrethrum odessanum* Klokov) = *Tanacetum odessanum*

(*Pyrethrum paczoskii* Zefir.) = *Tanacetum paczoskii*

Pyrethrum partheniifolium Willd.

*!**Pyrethrum parthenium** (L.) Smith

(*Pyrethrum parviflorum* Willd.) = *Tripleurospermum parviflorum*

(*Pyrethrum praecox* M.Bieb.) = *Tripleurospermum parviflorum*

(*Pyrethrum subcorymbosum* (Schur) Schur) = *Pyrethrum clusii*

(*Pyrethrum tanacetum* DC.) = *Balsamita major*

Pyrethrum tauricum Zelenetzky ~ *Pyrethrum corymbosum*

Rhagadiolus edulis P.Gaertn.

{*Rhagadiolus stellatus* auct. non (L.) P.Gaertn.} = *Rhagadiolus edulis*

(*Rhagadiolus stellatus* (L.) P.Gaertn. var. *edulis* (P.Gaertn.) DC.) = *Rhagadiolus edulis*

Rhaponticum serratuloides (Georgi) Bobrov

*!**Rudbeckia bicolor** Nutt. ~ *Rudbeckia hirta*

*!**Rudbeckia hirta** L.

*!**Rudbeckia laciniata** L.

***Rudbeckia speciosa** Wender.

***Rudbeckia triloba** L.

***Rudbeckia umbrosa** Boynton ex Beadle

***!Santolina chamaecyparissus** L.

(*Santolina chamaecyparissus* L. subsp. *viridis* (Willd.) Rouy) = *Santolina virens*

(*Santolina suaveolens* Pursch) = *Lepidotheca suaveolens*

***!Santolina virens** Mill.

(*Santolina viridis* Willd.) = *Santolina virens*

***Sanvitalia procumbens** Lam.

Saussurea alpina (L.) DC.

Conservation status: RDBU (1).

Saussurea amara (L.) DC.

Saussurea discolor (Willd.) DC.

Conservation status: RDBU (1).

Saussurea porcii Degen

Conservation status: RDBU (1); ERL (E).

Saussurea salsa (Pall. ex M.Bieb.) Spreng.

Scariola viminea (L.) F.W.Schmidt

Scolymus hispanicus L.

Scolymus maculatus L.

Note: Records of *S. maculatus* from Ukraine (Crimea: Simeiz) need confirmation.

Scorzonera austriaca Willd.

[*Scorzonera austriaca* Willd. subsp. *crispa* (M.Bieb.) Nyman] = *Scorzonera crispa*

?**Scorzonera biebersteinii** Lipsch.

Note: A Caucasian species. The only known locality in Ukraine (in Kherson region) needs confirmation.

Scorzonera cana (C.A.Mey.) Griseb.

Scorzonera crispa M.Bieb.

Scorzonera ensifolia M.Bieb.

Scorzonera × **glastifolia** Willd. = *Scorzonera stricta* × *Scorzonera taurica*

***!Scorzonera hispanica** L.

Scorzonera humilis L.

Scorzonera laciniata L.

Scorzonera mollis M.Bieb.

Scorzonera mollis M.Bieb. var. **subcaulis** Tzvelev

Scorzonera parviflora Jacq.

Scorzonera purpurea L.

[*Scorzonera purpurea* L. subsp. *rosea* (Waldst. & Kit.) Nyman] = *Scorzonera rosea*

Scorzonera rosea Waldst. & Kit.

Scorzonera stricta Hornem.

Scorzonera taurica M.Bieb.

[*Senecio abrotanifolius* L. subsp. *carpaticus* (Herbich) Nyman] = *Senecio carpaticus*

Senecio andrzejowskyi Tzvelev

Senecio aquaticus Hill.

[*Senecio aquaticus* Hill. subsp. *erraticus* (Bertol.) Matthews] = *Senecio erraticus*

(*Senecio aquaticus* Hill. subsp. *barbareifolius* (Wimmer & Grab.) Walters) = *Senecio erraticus*

[*Senecio arcticus* Rupr.] = *Tephroseris palustris*

[*Senecio aurantiaca* (Hoppe ex. Willd.) Griseb. & Schenk] = *Tephroseris aurantiaca*

(*Senecio barbareifolius* (Wimmer & Grab.) Rchb.) = *Senecio erraticus*

(*Senecio besserianus* Minder.) = *Tephroseris aurantiaca*

Conservation status: RDBU (1), recognized as a separate species; ERL (R).

{*Senecio bicolor* auct. non (Willd.) Tod.} = *Senecio cineraria*

(*Senecio bicolor* (Willd.) Tod. subsp. *cineraria* (DC) Chater) = *Senecio cineraria*

(*Senecio bohemicus* Tausch) = *Senecio paludosus*

Senecio borysthenticus (DC.) Andr. ex Czern.

Conservation status: ERL (R).

[*Senecio capitatus* (Wahlenb.) Steud.] = *Tephroseris capitata*

Senecio carniolicus Willd.

Senecio carpaticus Herbich ~ *Senecio abrotanifolius* s.l.

***!Senecio cineraria** DC.

Note: Reported as a naturalized species in Crimea.

(*Senecio congestus* (R.Br.) DC.) = *Tephroseris palustris*

(*Senecio crispatus* DC.) = *Tephroseris crispa*

(*Senecio czernjaëvii* Minder.) = *Tephroseris integrifolia*

{*Senecio doria* auct. non L.} = *Senecio schvetzovii* & *Senecio umbrosus*

(*Senecio doria* L. subsp. *umbrosus* (Waldst. & Kit.) Soó) = *Senecio umbrosus*

Senecio erraticus Bertol.

Senecio erucifolius L.

Senecio erucifolius L. subsp. **tenuifolius** Schuebl. & G.Martens

?Senecio ferganensis Schischk.

Note: The record from Ukraine needs confirmation.

(*Senecio fluviatilis* Wallr.) = *Senecio sarracenicus*

(*Senecio fuchsii* C.C.Gmel.) = *Senecio ovatus*

Senecio germanicus Wallr. ~ *Senecio nemorensis* aggr.

Senecio grandidentatus Ledeb.

(*Senecio hieracifolius* L.) = *Erechtites hieracifolia*

[*Senecio incanus* L. subsp. *carniolicus* (Willd.) Braun-Blanq.] = *Senecio carniolicus*

[*Senecio integrifolius* (L.) Clairv.] = *Tephroseris integrifolia*

Senecio jacobaea L.

(*Senecio jacquinianus* Rchb.) = *Senecio germanicus*

[*Senecio jailicola* Juz.] = *Tephroseris jailicola*

(*Senecio nemorensis* L. subsp. *fuchsii* (C.C.Gmel.) Čelak. = *Senecio ovatus*

(*Senecio nemorensis* L. subsp. *jacquinianus* (Rchb.) Čelak. = *Senecio germanicus*

(*Senecio nemorensis* L. var. *germanicus* (Wallr.) Beck) = *Senecio germanicus*

Senecio ovatus (P.Gaertn., B.Mey. & Scherb.) Willd. ~ *Senecio nemorensis* aggr.

Senecio paludosus L.

[*Senecio paluster* (L.) DC.] = *Tephroseris palustris*

[*Senecio papposus* (Rchb.) Less.] = *Tephroseris papposa*

Senecio paucifolius S.G.Gmel.

[*Senecio rivularis* (Waldst. & Kit.) DC.] = *Tephroseris crispa*

(*Senecio salicifolius* Willd.) = *Senecio ovatus*

Senecio sarracenicus L.

{*Senecio sarracenicus* auct. non L.} = *Senecio ovatus*

Senecio schvetzovii Korsh.

Senecio subalpinus W.D.J.Koch

(*Senecio sulphureus* (Baumg.) Simonk.) = *Tephroseris papposa*

Senecio sylvaticus L.

Senecio tataricus Less.

Senecio tauricus Konechn.

(*Senecio tenuifolius* Jacq., nom. illeg.) = *Senecio erucifolius* subsp. *tenuifolius*

Senecio umbrosus Waldst. & Kit.

Senecio vernalis Waldst. & Kit.

Senecio viscosus L.

Senecio vulgaris L.

(*Serratula alpina* L.) = *Saussurea alpina*

(*Serratula amara* L.) = *Saussurea amara*

(*Serratula arvensis* L.) = *Cirsium arvense*

Serratula bracteifolia (Iljin ex Grossh.) Stank. ~ *Serratula radiata*

Serratula cardunculus (Pall.) Schischk.

Serratula coronata L.

(*Serratula discolor* Willd.) = *Saussurea discolor*

Serratula donetzica Dubovik

Conservation status: RDBU (1).

Serratula erucifolia (L.) Boriss.

{*Serratula heterophylla* auct. non (L.) Desf.} = *Serratula lycopifolia*

(*Serratula hungarica* Klokov ex Dobroc.) = *Serratula radiata*

Serratula lycopifolia (Vill.) A.Kern.

(*Serratula multiflora* L.) = *Jurinea multiflora*

(*Serratula nitida* (Waldst. & Kit.) Besser) = *Serratula lycopifolia*

Serratula radiata (Waldst. & Kit.) M.Bieb.

[*Serratula radiata* (Waldst. & Kit.) M.Bieb. subsp. *bracteifolia* Iljin ex Grossh.] = *Serratula bracteifolia*

(*Serratula salsa* Pall. ex M.Bieb.) = *Saussurea salsa*

Serratula tanaitica P.Smim.

Conservation status: RDBU (1).

Serratula tinctoria L.

(*Serratula wolffii* Andrae) = *Serratula coronata*

(*Serratula xeranthemoides* M.Bieb.) = *Serratula erucifolia*

Sigesbeckia orientalis L.

(*Sigesbeckia serrata* DC.) = *Sigesbeckia orientalis* s.l.

*!***Silphium perfoliatum*** L.

Note: Locally naturalized in Kiev region.

Silybum marianum (L.) P.Gaertn.

Solidago alpestris Waldst. & Kit. ex Willd. ~ *Solidago virgaurea*

*!***Solidago canadensis*** L.

Note: A completely naturalized species.

{*Solidago gigantea* auct. non Aiton} = *Solidago serotinoidea*

[*Solidago gigantea* Aiton subsp. *serotina* (Kuntze) McNeill] = *Solidago serotinoidea*

*!***Solidago graminifolia*** (L.) Salisb.

Solidago jailarum Juz. ~ *Solidago virgaurea*

{*Solidago minuta* auct. non L.} = *Solidago alpestris*

(*Solidago serotina* Aiton 1789, non Retz. 1781) = *Solidago serotinoidea*

*!***Solidago serotinoidea*** A.Löve & D.Löve

Note: A completely naturalized species; less common in Ukraine than *S. canadensis*.

Solidago taurica Juz. ~ *Solidago virgaurea*

Solidago virgaurea L.

[*Solidago virgaurea* L. subsp. *alpestris* (Waldst. & Kit. ex Willd.) Rchb.] = *Solidago alpestris*

[*Solidago virgaurea* L. subsp. *jailarum* (Juz.) Tzvelev] = *Solidago jailarum*

{*Solidago virgaurea* L. subsp. *minuta* auct. non (L.) Arcang.} = *Solidago alpestris*

[*Solidago virgaurea* L. subsp. *taurica* (Juz.) Tzvelev] = *Solidago taurica*

Sonchus arvensis L.

Sonchus arvensis L. subsp. *uliginosus* Nyman

Sonchus asper (L.) Hill

(*Sonchus laevis* Vill.) = *Sonchus oleraceus*

***Sonchus oleraceus* L.**

***Sonchus palustris* L.**

(*Sonchus uliginosus* M.Bieb., nom. illeg.) = *Sonchus arvensis* subsp. *uliginosus*

(*Stenactis annua* (L.) Cass.) = *Phalacrocoma annuum*

(*Stenactis septentrionalis* (Fernald & Wiegand) Holub) = *Phalacrocoma septentrionale*

(*Stenactis speciosa* Lindl.) = *Erigeron speciosus*

(*Stenactis strigosa* (Muehl. ex Willd.) DC.) = *Phalacrocoma strigosum*

***Steptorhamphus tuberosus* (Jacq.) Grossh.**

****Tagetes erecta* L.**

****Tagetes patula* L.**

(*Tagetes signata* Bartl.) = *Tagetes tenuifolia*

****Tagetes tenuifolia* Cav.**

***Tanacetum achilleifolium* (M.Bieb.) Sch.Bip.**

(*Tanacetum alpinum* (L.) Sch.Bip.) = *Leucanthemopsis alpina*

(*Tanacetum balsamita* L.) = *Balsamita major*

(*Tanacetum cinerariifolium* (Trev.) Sch.Bip.) = *Pyrethrum cinerariifolium*

[*Tanacetum corymbosum* (L.) Sch.Bip.] = *Pyrethrum corymbosum*

(*Tanacetum corymbosum* (L.) Sch.Bip. subsp. *clusii* (Fisch. ex Rchb.) Heyw.) = *Pyrethrum clusii*

[*Tanacetum macrophyllum* (Waldst. & Kit.) Sch.Bip.] = *Pyrethrum macrophyllum*

***Tanacetum millefolium* (L.) Tzvelev**

***Tanacetum odessanum* (Klokov) Tzvelev**

***Tanacetum paczoskii* (Zefir.) Tzvelev**

Conservation status: IUCN RL (R); ERL (R).

(*Tanacetum partheniifolium* (Willd.) Sch.Bip.) = *Pyrethrum partheniifolium*

(*Tanacetum parthenium* (L.) Sch.Bip.) = *Pyrethrum parthenium*

(*Tanacetum serotinum* (L.) Sch.Bip.) = *Leucanthemella serotina*

(*Tanacetum subalpinum* (Schur) Simonk.) = *Leucanthemum subalpinum*

(*Tanacetum tauricum* Sch.Bip.) = *Tanacetum millefolium*

***Tanacetum vulgare* L.**

(*Tanacetum waldsteinii* Sch.Bip.) = *Leucanthemum rotundifolium*

(*Tanacetum zawadskii* (Herbich) Pawł.) = *Dendranthema zawadskii*

***Taraxacum alatum* Lindb.f. ~ *Taraxacum officinale* aggr.**

(*Taraxacum alpestre* (Tausch) DC.) = *Taraxacum nigricans*

{*Taraxacum alpinum* auct. non Hegetschw. & Heer} = *Taraxacum panalpinum* & *Taraxacum carinthiacum*

Taraxacum angustissimum Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum bachczisaraicum Tzvelev
Taraxacum beckeri Soest ~ *Taraxacum erythrospermum* aggr.
Taraxacum bessarabicum (Hornem.) Hand.-Mazz.
Taraxacum brachyglossum (Dahlst.) Dahlst. ~ *Taraxacum erythrospermum* aggr.
Taraxacum carinthiacum Soest
Taraxacum crebrideris Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum dahstedtii Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum decipiens Raunk. ~ *Taraxacum erythrospermum* aggr.
Taraxacum dissimile Dahlst.
Taraxacum distantilobum Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum erythrospermum Andrz.
Taraxacum euplocarpum Markl. ~ *Taraxacum officinale* aggr.
Taraxacum falcatum Brenn.
(*Taraxacum fontanicola* Soest) = *Taraxacum fontanum* aggr.
Taraxacum fontanum Hand.-Mazz.
Taraxacum fulvum Raunk. ~ *Taraxacum falcatum* aggr.
Taraxacum haematicum Hagl. ~ *Taraxacum officinale* aggr.
Taraxacum hellenicum Dahlst.
Taraxacum hybernum Steven
Taraxacum hypanicum Tzvelev ~ *Taraxacum serotinum* aggr.
Taraxacum kjellmanii Dahlst. ~ *Taraxacum officinale* aggr.
Taraxacum klokovii Litvinenko
**Taraxacum kok-saghyz* Rodin
Taraxacum lawalreei Soest
Taraxacum maculatum Jord. ~ *Taraxacum officinale* aggr.
Taraxacum marginatum (Dahlst.) Dahlst. ~ *Taraxacum erythrospermum* aggr.
Taraxacum marklundii Palmgr. ~ *Taraxacum officinale* aggr.
(*Taraxacum microcephalum* Schur) = *Taraxacum bessarabicum*
Taraxacum microcranum Markl. ~ *Taraxacum officinale* aggr.
Taraxacum microlobum Markl. ~ *Taraxacum falcatum* aggr.
Taraxacum mucronatum Lindb.f. ~ *Taraxacum officinale* aggr.
{*Taraxacum murbeckianum* auct. non Hagl.} = *Taraxacum pseudomurbeckianum*
Taraxacum neosivaschicum Tzvelev
Taraxacum nigricans (Kit.) Rehb.
Taraxacum obliquum (Fr.) Dahlst.
Taraxacum officinale Wigg. aggr.
Taraxacum ostefeldii Dahlst. ~ *Taraxacum officinale* aggr.
Taraxacum panalpinum Soest
Taraxacum pannonicum Sonck & Soest ~ *Taraxacum officinale* aggr.
Taraxacum parvuliceps Lindb.f. ~ *Taraxacum officinale* aggr.

Taraxacum pectinatiforme Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum penicilliforme Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum peralatum Soest ~ *Taraxacum fontanum* aggr.
Taraxacum pineticola Klokov ~ *Taraxacum proximum* aggr.
Taraxacum planum Raunk. ~ *Taraxacum officinale* aggr.
Taraxacum pobedimoviae Schischk. ~ *Taraxacum hybernum* aggr.
Taraxacum pohlii Soest ~ *Taraxacum fontanum* aggr.
Taraxacum polonicum Matecka & Soest
Taraxacum proximum (Dahlst.) Dahlst.
Taraxacum pseudofulvum Lindb.f. ~ *Taraxacum falcatum* aggr.
Taraxacum pseudomurbeckianum Tzvelev
Taraxacum reflexilobum Lindb.f. ~ *Taraxacum officinale* aggr.
(*Taraxacum salinum* Besser) = *Taraxacum bessarabicum*
Taraxacum scanicum Dahlst. ~ *Taraxacum proximum* aggr.
Taraxacum serotinum (Waldst. & Kit.) Poir.
Taraxacum silesiacum Dahlst. ex Hagl. ~ *Taraxacum erythrospermum* aggr.
Taraxacum sublaciniosum Dahlst. & Lindb.f. ~ *Taraxacum officinale* aggr.
Taraxacum tauricum Kotov
Taraxacum thracicum Soest
Taraxacum tenebricans (Dahlst.) Dahlst. ~ *Taraxacum officinale* aggr.
Taraxacum tenuilobum (Dahlst.) Dahlst. ~ *Taraxacum proximum* aggr.
Taraxacum tortilobum Florstr. ~ *Taraxacum dissimile* aggr.
Taraxacum zivaschum Doll ~ *Taraxacum erythrospermum* aggr.

Telekia speciosa (Schreb.) Baumg.

Tephroseris aurantiaca (Hoppe ex. Willd.) Griseb. & Schenk

Note: See note under *Senecio besserianus*.

Tephroseris capitata (Wahlenb.) Griseb. & Schenk

Tephroseris crispa (Jacq.) Rchb.

Tephroseris integrifolia (L.) Holub

Tephroseris jailicola (Juz.) Konechn.

Tephroseris palustris (L.) Fourn.

Tephroseris papposa (Rchb.) Schur

(*Tephroseris rivularis* (Waldst. & Kit.) Schur) = *Tephroseris crispa*

(*Thrinicia hirta* (Roth) Roth) = *Leontodon saxatilis*

(*Thrinicia saxatilis* (Lam.) Holub & Moravec) = *Leontodon saxatilis*

(*Tragopogon artemczukii* Klokov) = *Tragopogon ucrainicus*

***Tragopogon australis** Jord. ~ *Tragopogon porrifolius*

Tragopogon bjelorusicus Artemcz.

Tragopogon borysthenicus Artemcz.

Conservation status: ERL (I).

(*Tragopogon campestris* Besser) = *Tragopogon major*

Tragopogon dasyrhynchus Artemcz.

Tragopogon donetzicus Artemcz. ~ *Tragopogon tanaiticus*

Note: The type of *T. donetzicus* probably represents a hybrid between *T. tanaiticus* and *T. ucrainicus*.

Tragopogon dubius Scop.

[*Tragopogon dubius* Scop. subsp. *desertorum* (Lindem.) Tzvelev] = *Tragopogon tesquicola*

[*Tragopogon dubius* Scop. subsp. *major* (Jacq.) Vollm.] = *Tragopogon major*

Tragopogon elatior Steven ~ *Tragopogon undulatus*

Conservation status: ERL (R).

{*Tragopogon floccosus* auct. non Waldst. & Kit.} = *Tragopogon ucrainicus* & *Tragopogon savranicus*

[*Tragopogon hybridus* L.] = *Tragopogon hybridus*

(*Tragopogon intermedius* Besser) = *Tragopogon major*

(*Tragopogon leiorhynchus* Klokov) = *Tragopogon podolicus*

(*Tragopogon lithuanicus* (DC.) Boriss.) = *Tragopogon bjelorusicus*

Tragopogon major Jacq. ~ *Tragopogon dubius*

(*Tragopogon melantherus* Klokov) = *Tragopogon orientalis*

(*Tragopogon moldavicus* Klokov) = *Tragopogon orientalis*

Tragopogon orientalis L.

Tragopogon podolicus (DC.) Artemcz.

*!*Tragopogon porrifolius* L.

Tragopogon pratensis L.

(*Tragopogon pratensis* L. subsp. *orientalis* (L.) Čelak.) = *Tragopogon orientalis*

Tragopogon pusillus M.Bieb.

(*Tragopogon ruthenicus* Besser ex Krasch. & S.Nikit. subsp. *tanaiticus* (Artemcz.) C.Regel) = *Tragopogon tanaiticus*

Tragopogon savranicus Sobko ~ *Tragopogon floccosus*

(*Tragopogon stepposus* (S.Nikit.) Stank.) = *Tragopogon podolicus*

Tragopogon tanaiticus Artemcz.

Conservation status: ERL (I).

(*Tragopogon tauricus* Klokov) = *Tragopogon dubius*

Tragopogon tesquicola Klokov

(*Tragopogon transcarpaticus* Klokov) = *Tragopogon orientalis*

Tragopogon ucrainicus Artemcz.

Conservation status: ERL (R).

Tragopogon undulatus Jacq.

(*Tragopogon xanthantherus* Klokov) = *Tragopogon orientalis*

Tripleurospermum inodorum (L.) Schf. Bip.

Tripleurospermum parviflorum (Willd.) Pobed.

(*Tripleurospermum perforatum* (Mérat) Lainz) = *Tripleurospermum inodorum*

Tripolium pannonicum (Jacq.) Dobroc. ~ *Tripolium vulgare*

Tripolium vulgare Nees

Note: Almost all records of this species from Ukraine belong to *T. pannonicum*.

(*Trommsdorffia maculata* (L.) Bernh.) = *Hypochaeris maculata*

(*Trommsdorffia uniflora* (Vill.) Soják) = *Hypochaeris uniflora*

Tussilago farfara L.

Verbesina encelioides (Cav.) Benth. & Hook. f. ex A. Gray

Xanthium albinum (Widder) H. Scholz

Note: The number of *Xanthium* species occurring in Ukraine seems to be overestimated.

(*Xanthium albinum* (Widder) H. Scholz subsp. *riparium* (Čelak.) Widder & Wagenitz) =

Xanthium rupicola

(*Xanthium albinum* (Widder) H. Scholz subsp. *rupicola* (Holub) Dostál) = *Xanthium rupicola*

Xanthium brasiliacum Vellozo

Xanthium californicum Greene ~ *Xanthium italicum*

Xanthium italicum Moretti

(*Xanthium italicum* Moretti subsp. *riparium* Čelak.) = *Xanthium rupicola*

Xanthium pensylvanicum Wallr.

(*Xanthium riparium* Itzigs. & Hertsch, nom. illeg.) = *Xanthium rupicola*

Xanthium rupicola Holub

Xanthium saccharatum Wallr.

Note: See V. Protopopova & M. Shevera (1995, Ukr. Bot. Zhurn. 52(1): 145-149).

Xanthium sibiricum Patr. ex Widder

Xanthium spinosum L.

Xanthium strumarium L.

Xeranthemum annum L.

(*Xeranthemum bracteatum* Vent.) = *Helichrysum bracteatum*

Xeranthemum cylindraceum Sibth. & Smith

?**Xeranthemum inapterum** (L.) Mill.

Note: The only record from Ukraine (S Crimea) needs confirmation (misidentification of *X. cylindraceum*?).

[*Xerochrysum bracteatum* (Vent.) Tzvelev] = *Helichrysum bracteatum*

(*Xeroloma cylindracea* (Sibth. & Smith) Holub) = *Xeranthemum cylindraceum*

(*Ximenesia encelioides* Cav.) = *Verbesina encelioides*

Zacintha verrucosa P.Gaertn.

**Zinnia elegans* Jacq.

FAMILY Balsaminaceae

(*Balsamina hortensis* DC.) = *Impatiens balsamina*

**Impatiens balsamina* L.

*!*Impatiens glandulifera* Royle

Note: Successfully naturalized in some regions of Ukraine; tends to become invasive.

Impatiens noli-tangere L.

Impatiens parviflora DC.

(*Impatiens roylei* Walp.) = *Impatiens glandulifera*

FAMILY Basellaceae

{*Anredera baselloides* auct. non (Kunth) Baillon} = *Anredera cordifolia*

**Anredera cordifolia* (Ten.) Steenis

{*Boussingaultia baselloides* auct. non Kunth} = *Anredera cordifolia*

[*Boussingaultia cordifolia* Ten.] = *Anredera cordifolia*

FAMILY Berberidaceae

**Berberis amurensis* Rupr. ex Maxim.

[*Berberis aquifolium* Pursh] = *Mahonia aquifolium*

Berberis orientalis C.K.Schneid. ~ *Berberis vulgaris*

*!*Berberis thunbergii* DC.

Note: Many other exotic species and hybrids of *Berberis* (ca. 80) are less commonly cultivated in botanical gardens and parks.

Berberis vulgaris L.

[*Berberis vulgaris* L. subsp. *orientalis* (C.K.Schneid.) Takht.] = *Berberis orientalis*

(*Berberis vulgaris* L. var. *orientalis* (C.K.Schneid.) Papava) = *Berberis orientalis*

(*Gymnospermium altaicum* (Pall.) Spach subsp. *odessanum* (DC.) E.Mayer & Pulevič) =

Gymnospermium odessanum

Gymnospermium odessanum (DC.) Takht.

Conservation status: RDBU (2); IUCN RL (1).

(*Leontice altaica* Pall. var. *odessana* DC.) = *Gymnospermium odessanum*

[*Leontice odessana* (DC.) Fisch.] = *Gymnospermium odessanum*

*!**Mahonia aquifolium** (Pursh) Nutt.

Note: Locally escaped and naturalized (e.g., in Crimea and Kiev region). Several other species of *Mahonia* are known in Ukraine in botanical gardens only.

FAMILY Betulaceae

Note: Excluding *Corylaceae*.

[*Alnus alnobetula* (Ehrh.) K.Koch] = *Duschekia alnobetula*

Alnus glutinosa (L.) P.Gaertn.

Alnus incana (L.) Moench

(*Alnus viridis* (Chaix) DC.) = *Duschekia alnobetula*

(*Alnus vulgaris* Pers.) = *Alnus glutinosa*

(*Betula alba* L., nom. utique rej. prop.) = *Betula pubescens*

{*Betula alba* auct. non L.} = *Betula pendula*

(*Betula alnobetula* Ehrh.) = *Duschekia alnobetula*

(*Betula alnus* L.) = *Alnus glutinosa*

(*Betula atrata* Domin) = *Betula obscura* ?

Note: The taxonomic identity of *B. atrata* is unclear (*B. obscura* or *B. kotulae* ?).

Betula borysthenea Klokov

Conservation status: RDBU (3).

(*Betula glutinosa* (L.) Lam.) = *Alnus glutinosa*

Betula humilis Schrank

Conservation status: RDBU (3).

Betula klokovii Zaverucha ~ *Betula pubescens* aggr.

Conservation status: RDBU (1).

Betula kotulae Zaverucha ~ *Betula pendula* aggr.

?***Betula litwinowii*** Doluch.

Note: The only reported locality of this species in Ukraine (in Lugansk region) needs confirmation.

?***Betula microlepis*** Ig.Vassil. ~ *Betula pendula* aggr.

Note: The species rank for this taxon is problematic.

(*Betula myrsinoides* Tausch) = *Betula humilis*

Betula obscura A.Kotula ~ *Betula pubescens* aggr.

Conservation status: RDBU (3), including *Betula kotulae*.

Note: See discussion on taxonomy of birches of Ukraine (B. Zaverukha & al., 1986,

Ukr. Bot. Zhurn. 43(3): 79-83; A. Skvortsov, 1986, Ibid.: 83-88).

****Betula papyrifera*** Marschall

Betula pendula Roth

(*Betula pendula* Roth subsp. *obscura* (A.Kotula) A.Löve) = *Betula obscura*

Betula polessica Ivczenko ~ *Betula pubescens* aggr.

Note: The species rank for this form is highly improbable.

Betula pubescens Ehrh.

(*Betula verrucosa* Ehrh.) = *Betula pendula*

(*Betula verrucosa* Ehrh. subsp. *obscura* (A.Kotula) A.Löve & D.Löve) = *Betula obscura*

(*Betula viridis* Chaix) = *Duschekia alnobetula*

Duschekia alnobetula (Ehrh.) Pouzar

(*Duschekia viridis* (Chaix) Opiz) = *Duschekia alnobetula*

FAMILY Bignoniaceae

(*Bignonia catalpa* L.) = *Catalpa bignonioides*

(*Bignonia radicans* L.) = *Campsis radicans*

(*Bignonia tomentosa* Thunb.) = *Paulownia tomentosa*

Note: See family Scrophulariaceae.

***Campsis grandiflora** (Thunb.) K.Schumann

***Campsis radicans** (L.) Seem.

***Catalpa bignonioides** Walter

(*Catalpa bignonioides* Walter var. *speciosa* Warder ex Barney) = *Catalpa speciosa*

***Catalpa bungei** C.A.Mey.

(*Catalpa cordifolia* Moench) = *Catalpa bignonioides*

(*Catalpa kaempferi* Siebold & Zucc.) = *Catalpa ovata*

***Catalpa ovata** G.Don

***Catalpa speciosa** (Warder ex Barney) Warder ex Engelm.

FAMILY Boraginaceae

(*Aegonychon arvense* (L.) S.F.Gray) = *Lithospermum arvense*

Aegonychon purpureocaeruleum (L.) Holub

{*Alkanna tinctoria* auct. non (L.) Tausch} = *Alkana tuberculata*

*!**Alkana tuberculata** (Forssk.) Meikle

Amsinckia calycina (Moris) Chater

Note: A rare casual alien in Odessa, sea harbor (T.V.Vasilieva, in press).

(*Anchusa arvensis* (L.) M.Bieb.) = *Lycopsis arvensis*

Anchusa azurea Mill.

Anchusa barrelieri (All.) Vitm.

Anchusa gmelinii Ledeb.

(*Anchusa italica* Retz.) = *Anchusa azurea*
Anchusa leptophylla Roem. & Schult.
(*Anchusa lutea* (Desr.) M.Bieb.) = *Nonnea lutea*
{*Anchusa ochroleuca* auct. non M.Bieb.} = *Anchusa popovii*
[*Anchusa ochroleuca* M.Bieb. subsp. *popovii* Guşul.] = *Anchusa popovii*
Anchusa officinalis L.
(*Anchusa orientalis* (L.) Rech.f. 1858, non L. 1753) = *Lycopsis orientalis*
Anchusa popovii (Guşul.) Dobrocz. ~ *Anchusa ochroleuca* aggr.
Anchusa procera Besser
Anchusa pseudoochroleuca Des.-Shost. ~ *Anchusa ochroleuca* aggr.
(*Anchusa pulla* (L.) M.Bieb.) = *Nonnea pulla*
Anchusa pusilla Guşul.
Anchusa stylosa M.Bieb.
Anchusa thessala Boiss. & Sprun.
(*Anchusa tuberculata* Forssk.) = *Alkana tuberculata*
(*Anchusa ventricosa* Smith) = *Nonea echioides*

Argusia sibirica (L.) Dandy

Asperugo procumbens L.

*!***Borago officinalis*** L.

****Brunnera macrophylla*** (Adams) I.M.Johnst.

Buglossoides arvensis (L.) I.M.Johnst.

Buglossoides czernjajevii (Klokov) Czerep.

[*Buglossoides purpureocaerulea* (L.) I.M.Johnst.] = *Aegonychon purpureocaeruleum*

Buglossoides sibthorpiana (Griseb.) Czerep. ~ *Buglossoides arvensis* s.l.

Buglossoides tenuiflora (L.f.) I.M.Johnst.

Cerithe minor L.

(*Cerithe quinquemaculata* Wahlenb.) = *Cerithe minor*

Cynoglossum creticum Mill.

Cynoglossum germanicum Jacq.

{*Cynoglossum montanum* auct. non L.} = *Cynoglossum germanicum*

Cynoglossum officinale L.

(*Cynoglossum pictum* Sol. ex Aiton) = *Cynoglossum creticum*

Echium biebersteinii Lacaita

{*Echium italicum* auct. non L.} = *Echium biebersteinii*

{*Echium lycopsis* auct. non L.} = *Echium plantagineum*

{*Echium maculatum* auct. non L.} = *Echium russicum*

(*Echium pyramidatum* DC.) = *Echium biebersteinii*

Echium plantagineum L.

Echium popovii Dobrocz. ~ *Echium russicum*

(*Echium rubrum* Jacq. 1778, non Forssk. 1774) = *Echium russicum*

Echium russicum J.F.Gmel.

Echium vulgare L.

Eritrichium nanum (All.) Schrad. ex Gaudin

Hackelia deflexa (Wahlenb.) Opiz

Heliotropium europaeum L.

Heliotropium dolosum De Not.

Heliotropium ellipticum Ledeb.

?**Heliotropium europaeum** L.

Heliotropium intermedium Andrz.

Conservation status: ERL (I).

(**Heliotropium incanescens** Andrz.) = **Heliotropium dolosum**

(**Heliotropium littorale** Steven) = **Heliotropium dolosum**

***Heliotropium peruvianum** L.

(**Heliotropium stevenianum** Andrz.) = **Heliotropium europaeum**

Heliotropium suaveolens M.Bieb.

Heliotropium subcanescens Andrz. & Besser ex Steven ~ **Heliospermum europaeum**

Lappula barbata (M.Bieb.) Guerke

Lappula conanquinea (Fisch. & C.A.Mey.) Guerke

(**Lappula echinata** Gilib., nom. inval.) = **Lappula squarrosa**

(**Lappula heterocarpa** Klokov & Artemcz.) = **Lappula semicincta**

(**Lappula myosotis** Moench) = **Lappula squarrosa**

Lappula patula (Lchm.) Menyh.

Lappula semicincta (Steven) M.Pop. ex Dobroc.

Lappula squarrosa (Retz.) Dumort.

[**Lithospermum apulum** L.] = **Neatostema apulum**

[**Lithospermum arvense** L.] = **Buglossoides arvensis**

[**Lithospermum czernjajevii** Klokov] = **Buglossoides czernjajevii**

Lithospermum officinale L.

[**Lithospermum purpureocaeruleum** L.] = **Aegonychon purpureocaeruleum**

[**Lithospermum sibthorpiarum** Griseb.] = **Buglossoides sibthorpiana**

(**Lithospermum strigosum** M.Bieb.) = **Neatostema apulum**

[**Lithospermum tenuiflorum** L.f.] = **Buglossoides tenuiflora**

Lycopsis arvensis L.

(**Lycopsis lutea** Desr.) = **Nonea lutea**

Lycopsis orientalis L.

(**Lycopsis pulla** L. 1759, non Loeffl. 1758) = **Nonea pulla**

(**Lycopsis taurica** Ledeb.) = **Nonea taurica**

(**Messerschmidia sibirica** (L.) L.) = **Argusia sibirica**

Moltkia coerulea (Willd.) Lehm.

Myosotis alpestris F.W.Schmidt

(*Myosotis arenaria* Schrad. ex Schultz) = *Myosotis micrantha*

Myosotis arvensis (L.) Hill

[*Myosotis barbata* M.Bieb.] = *Lappula barbata*

(*Myosotis cespitosa* K.F.Schultz) = *Myosotis laxa*

(*Myosotis collina* Rchb. 1822, non Hoffm. 1791) = *Myosotis ramosissima*

Myosotis decumbens Host ~ *Myosotis sylvatica* aggr.

Myosotis discolor Pers.

(*Myosotis hispida* Schlecht.) = *Myosotis ramosissima*

(*Myosotis idaea* Boiss. & Heldr.) = *Myosotis incrassata*

Myosotis incrassata Guss. ~ *Myosotis litoralis*

(*Myosotis lappula* L.) = *Lappula squarrosa*

Myosotis laxa Lehm. ~ *Myosotis scorpioides* aggr.

Myosotis laxiflora Rchb. ~ *Myosotis scorpioides* aggr.

Myosotis lithospermifolia (Willd.) Hornem.

Myosotis lithuanica (Schmalh.) Dobroc. ~ *Myosotis scorpioides* aggr.

Myosotis litoralis Steven ex M.Bieb.

Myosotis ludomilae Zaverucha ~ *Myosotis sylvatica* aggr.

Myosotis micrantha Pall. ex Lehm.

(*Myosotis montana* Besser) = *Myosotis sylvatica*

Myosotis nemorosa Besser ~ *Myosotis scorpioides* aggr.

[*Myosotis nana* All.] = *Eritrichium nanum*

(*Myosotis palustris* (L.) L.) = *Myosotis scorpioides*

(*Myosotis palustris* Hill, nom. illeg.) = *Myosotis scorpioides*

Myosotis pineticola Klokov & Des.-Shost. ~ *Myosotis ucrainica*

Myosotis popovii Dobroc. ~ *Myosotis sylvatica* aggr.

Myosotis ramosissima Roenel ex Schult.

Myosotis refracta Boiss.

Myosotis scorpioides L.

(*Myosotis scorpioides* L. var. *arvensis* L.) = *Myosotis arvensis*

(*Myosotis scorpioides* L. var. *palustris* L.) = *Myosotis scorpioides*

Myosotis sparsiflora J.C.Mikan ex Pohl

Myosotis stenophylla Knaf ~ *Myosotis alpestris*

(*Myosotis stricta* Link ex Roem & Schult.) = *Myosotis micrantha*

(*Myosotis strigulosa* Rchb.) = *Myosotis nemorosa*

{*Myosotis strigulosa* auct. non Rchb.} = *Myosotis laxiflora*

Myosotis sylvatica Ehrh. ex Hoffm.

Myosotis ucrainica Czern.

(*Myosotis variabilis* Angelis) = *Myosotis decumbens*

(*Myosotis verna* Opiz) = *Myosotis micrantha*

(*Myosotis versicolor* (Pers.) Smith) = *Myosotis discolor*

Neatostema apulum (L.) J.M.Johnst.

Nonea echioides (L.) Roem. & Schult.

Nonea lutea (Desr.) DC.

Nonea pallens Petrovič

(*Nonea pulchella* Pacz.) = *Nonea pallens*

Nonea pulla DC.

[*Nonea pulla* DC. subsp. *taurica* (Ledeb.) Soó] = *Nonea taurica*

Nonea rossica Steven ~ *Nonea pulla* aggr.

Nonea taurica (Ledeb.) Ledeb. ~ *Nonea taurica* aggr.

(*Nonea ventricosa* (Smith) Griseb.) = *Nonea echioides*

*!*Omphalodes linifolia* (L.) Moench

Omphalodes scorpioides (Haenke) Schrank

*!*Omphalodes verna* Moench

{*Onosma arenaria* auct. non Waldst. & Kit.} = *Onosma borysthena*

Onosma borysthena Klokov ~ *Onosma arenaria* aggr.

(*Onosma caeruleum* Willd.) = *Moltkia caerulea*

(*Onosma calycina* Steven) = *Onosma visiani*

Onosma graniticola Klokov ~ *Onosma arenaria* aggr.

Conservation status: RDBU (1); ERL (R).

Onosma lipskyi Klokov

Onosma macrochaeta Klokov & Dobroc. ~ *Onosma visianii*

Onosma polychroma Klokov ex M.Pop.

Onosma polyphylla Ledeb.

Conservation status: RDBU (2); IUCN KL (1); ERL (R).

Onosma pseudotinctoria Klokov ~ *Onosma tinctoria* aggr.

Onosma rigida Ledeb. ~ *Onosma stellulata* aggr.

{*Onosma stellulata* auct. non Waldst. & Kit.} = *Onosma rigida* & *Onosma taurica*

Onosma subtinctoria Klokov ~ *Onosma tinctoria* aggr.

Onosma tanaitica Klokov

Conservation status: RDBU (3).

Note: *Onosma tanaitica* is closely related to *O. simplicissima* L.

Onosma taurica Pall. ~ *Onosma stellulata* aggr.

Onosma tinctoria M.Bieb.

Onosma visianii Clementi

Pulmonaria angustifolia L.

(*Pulmonaria azurea* Besser) = *Pulmonaria angustifolia*

Pulmonaria filarszkyana Jáv. ~ *Pulmonaria rubra*

Conservation status: ERL (V).

Pulmonaria mollis Wulfen ex Hornem.

(*Pulmonaria mollissima* A.Kern.) = *Pulmonaria mollis*

(*Pulmonaria transilvanica* Schur) = *Pulmonaria rubra*

Pulmonaria obscura Dumort. ~ *Pulmonaria officinalis* aggr.

Pulmonaria officinalis L.

Note: Occurrence of *P. officinalis* s.str. in Ukraine needs confirmation.

[*Pulmonaria officinalis* L. subsp. *obscura* (Dumort.) Murb.] = *Pulmonaria obscura*
***Pulmonaria rubra* Schott**

***Rindera tetraspis* Pall.**

***Rindera umbellata* (Waldst. & Kit.) Bunge**

***Rochelia retorta* (Pall.) Lipsky**

***Solenanthus biebersteinii* DC.**

Conservation status: RDBU (1).

[*Strophostoma sparsiflora* (Pohl) Turcz.] = *Myosotis sparsiflora*

***Symphytum asperum* Lepech.**

Note: *Symphytum* × *uplandicum* Nyman (*S. asperum* × *S. officinale*) can be expected in Ukraine.

(*Symphytum besseri* Zaverucha) = *Symphytum microcalyx*

***Symphytum bohemicum* F.W.Schmidt**

***Symphytum caucasicum* M.Bieb.**

Note: Naturalized (or native ?) in Crimea.

***Symphytum cordatum* Waldst. & Kit. ex Willd.**

(*Symphytum cordifolium* Baumg.) = *Symphytum cordatum*

***Symphytum microcalyx* Opiz**

***Symphytum officinale* L.**

[*Symphytum officinale* L. subsp. *bohemicum* (F.W.Schmidt) Čelak.] = *Symphytum bohemicum*

[*Symphytum officinale* L. subsp. *uliginosum* (A.Kern.) Nyman] = *Symphytum tanaicense*

{*Symphytum orientale* auct. non L.} = *Symphytum tauricum*

(*Symphytum pannonicum* Pers.) = *Symphytum cordatum*

***!*Symphytum peregrinum* Ledeb.**

***Symphytum popovii* Dobrocz.**

***Symphytum tanaicense* Steven**

***Symphytum tauricum* Willd.**

(*Symphytum uliginosum* A.Kern.) = *Symphytum tanaicense*

(*Tournefortia sibirica* L.) = *Argusia sibirica*

FAMILY Brassicaceae

[*Acachmena cuspidata* (M.Bieb.) H.P.Fuchs] = *Erysimum cuspidatum*

(*Alliaria officinalis* Andr. ex M.Bieb.) = *Alliaria petiolata*

***Alliaria petiolata* (M.Bieb.) Cavara & Grande**

(*Alyssum alyssoides* (L.) L., nom. ambig.) = *Alyssum calycinum*

(*Alyssum arenarium* C.C.Gmel., nom. illeg.) = *Alyssum gmelinii*

(*Alyssum borysthenticum* Zapal.) = *Alyssum savranicum*

Alyssum borzaeanum Nyár. ~ *Alyssum tortuosum* aggr.

(*Alyssum brodense* Zapal.) = *Alyssum hirsutum*

Alyssum caliacrae Nyár. ~ *Alyssum tortuosum* aggr.

Alyssum calycinum L.

Alyssum calycocarpum Rupr.

Conservation status: IUCN RL (R); ERL (R).

{*Alyssum campestre* auct. non L.} = *Alyssum parviflorum*

(*Alyssum campestre* (L.) L.) = *Alyssum calycinum*

{*Alyssum campestre* auct. non (L.) L.} = *Alyssum parviflorum*

(*Alyssum cretaceum* (Kotov) Kotov) = *Alyssum gymnopodium*

Alyssum desertorum Stapf ~ *Alyssum turkestanicum* s.l.

Alyssum gmelinii Jord.

Alyssum gymnopodium P.Smirm. ~ *Alyssum tortuosum* aggr.

Conservation status: RDBU (2).

Alyssum hirsutum M.Bieb.

(*Alyssum incanum* L.) = *Berteroa incana*

Alyssum kotovii Iljinskaja ~ *Alyssum repens*

[*Alyssum linifolium* Stephan ex Willd.] = *Meniocus linifolius*

Alyssum lenense Adams

(*Alyssum longistylum* (N.Busch) Grossh.) = *Alyssum tortuosum*

(*Alyssum maritimum* (L.) Lam.) = *Lobularia maritima*

(*Alyssum medium* Iljinskaja, non Host) = *Alyssum gmelinii*

{*Alyssum minimum* auct. non L.} = *Alyssum desertorum*

Alyssum minutum Schlecht. ex DC.

{*Alyssum montanum* auct. non L.} = *Alyssum gmelinii*

[*Alyssum montanum* L. subsp. *gmelinii* (Jord.) Hegi & E.Schmid] = *Alyssum gmelinii*

(*Alyssum montanum* L. subsp. *rostratum* (Steven) Schmalh.) = *Alyssum rostratum*

(*Alyssum montanum* L. subsp. *trichostachyum* (Rupr.) Hayek) = *Alyssum trichostachyum*

Alyssum murale Waldst. & Kit.

Alyssum obtusifolium Steven ex DC.

Note: Taxonomic identity of *A. obtusifolium* remains somewhat uncertain because of confusion with other taxa of the *A. tortuosum* group.

{*Alyssum obtusifolium* auct. non Steven ex DC.} = *Alyssum borzaeanum* & *Alyssum caliacrae*

(*Alyssum odessanum* Nyár.) = *Alyssum tortuosum*

Alyssum parviflorum M.Bieb.

(*Alyssum repens* Baumg. subsp. *trichostachyum* (Rupr.) Hayek) = *Alyssum trichostachyum*

Alyssum rostratum Steven

Alyssum savranicum Andrz. ~ *Alyssum tortuosum* aggr.

Conservation status: ERL (I).

[*Alyssum saxatile* L.] = *Aurinia saxatilis*

Alyssum smyrnaeum C.A.Mey.

(*Alyssum tenderiense* Kotov) = *Alyssum borzaeanum*

Alyssum tortuosum Waldst. & Kit.

[*Alyssum tortuosum* Waldst. & Kit. subsp. *borzaeanum* (Nyár.) Stoj. & Stef.] = *Alyssum borzaeanum*

[*Alyssum tortuosum* Waldst. & Kit. subsp. *caliacrae* (Nyár.) Stoj. & Stef.] = *Alyssum caliacrae*
[*Alyssum tortuosum* Waldst. & Kit. subsp. *cretaceum* Kotov] = *Alyssum gymnopodium*
[*Alyssum tortuosum* Waldst. & Kit. subsp. *savranicum* (Andrz.) Nyár.] = *Alyssum savranicum*

Alyssum trichostachyum Rupr. ~ *Alyssum repens*

[*Alyssum turkestanicum* Regel & Schmalh. var. *desertorum* (Stapf.) Botsch.] = *Alyssum desertorum*

Alyssum umbellatum Desv.

(*Alyssum vindobonense* Beck) = *Alyssum desertorum*

(*Anastatica syriaca* L.) = *Euclidium syriacum*

Arabidopsis thaliana (L.) Heynh.

Arabidopsis toxophylla (M.Bieb.) N.Busch

{*Arabis allionii* auct. non DC.} = *Arabis sudetica*

Arabis alpina L.

[*Arabis alpina* L. subsp. *caucasica* (Schlecht. ex Willd.) Briq.] = *Arabis caucasica*

(*Arabis arenosa* (L.) Scop.) = *Cardaminopsis arenosa*

Arabis auriculata Lam.

Arabis caucasica Schlecht. ex Willd. ~ *Arabis alpina* aggr.

(*Arabis dasycarpa* Andrz. ex DC.) = *Arabis auriculata*

(*Arabis gerardii* (Besser) Besser ex W.D.J.Koch) = *Arabis nemorensis*

[*Arabis glabra* (L.) Bernh.] = *Turritis glabra*

(*Arabis halleri* L.) = *Cardaminopsis halleri*

Arabis hirsuta (L.) Scop.

{*Arabis hirsuta* auct. non (L.) Scop.} = *Arabis sagittata*

(*Arabis hirsuta* (L.) Scop. subsp. *hornungiana* (Schur.) Simonk.) = *Arabis hornungiana*

(*Arabis hirsuta* (L.) Scop. subsp. *sudetica* (Tausch) Oborny) = *Arabis sudetica*

Arabis hornungiana Schur ~ *Arabis hirsuta* aggr.

(*Arabis multijuga* (Borbás) Kotov) = *Cardaminopsis multijuga*

(*Arabis neglecta* Schult.) = *Cardaminopsis neglecta*

Arabis nemorensis (Hoffm.) W.D.J.Koch ~ *Arabis hirsuta* aggr.

(*Arabis ovirensis* Wulfen) = *Cardaminopsis ovirensis*

Arabis pendula L.

(*Arabis petiolata* M.Bieb.) = *Alliaria petiolata*

(*Arabis petrogena* A.Kern.) = *Cardaminopsis petrogena*

{*Arabis planisiliqua* auct. non (Pers.) Rchb.} = *Arabis nemorensis*

(*Arabis planisiliqua* (Pers.) Rchb. subsp. *nemorensis* (Hoffm.) Soják) = *Arabis nemorensis*

(*Arabis recta* Vill.) = *Arabis auriculata*

Arabis sagittata (Bertol.) DC. ~ *Arabis hirsuta* aggr.

(*Arabis septentrionalis* N.Busch) = *Cardaminopsis petraea*

Arabis sudetica Tausch ~ *Arabis hirsuta* aggr.

(*Arabis thaliana* L.) = *Arabidopsis thaliana*

Arabis turrita L.

Arabis verna (L.) R.Br.

Note: The species is known from Crimea (Ayudag and Maly Mayak).

(*Armoracia lapathifolia* Gilib., nom. inval.) = *Armoracia rusticana*

?**Armoracia macrocarpa** (Waldst. & Kit. ex Willd.) Kit. ex Baumg.

Note: Reported from Slovakia, Hungary and Romania; may be expected also in
W Ukraine, especially in Transcarpathia.

*!**Armoracia rusticana** P.Gaertn., B.Mey. & Scherb.

Aurinia saxatilis (L.) Desv.

(*Barbarea arcuata* (Opiz ex J.Presl & C.Presl) Rechb.) = *Barbarea vulgaris* subsp. *arcuata*

Barbarea stricta Andrz.

(*Barbarea taurica* DC.) = *Barbarea vulgaris* subsp. *arcuata*

Barbarea verna (Mill.) Asch.

Barbarea vulgaris R.Br.

Barbarea vulgaris R.Br. subsp. *arcuata* (Opiz ex J.Presl & C.Presl) Hayek

Berteroa incana (L.) DC.

Biscutella austriaca Jord. ~ *Biscutella laevigata*

(*Biscutella austriaca* Jord. subsp. *hungarica* (Soó) Peniašteková) = *Biscutella austriaca*

Biscutella laevigata L.

[*Biscutella laevigata* L. subsp. *austriaca* (Jord.) Mach.-Laur.] = *Biscutella austriaca*

(*Biscutella laevigata* L. subsp. *hungarica* Soó) = *Biscutella austriaca*

[*Brassica armoracioides* Czern. ex Turcz.] = *Erucastrum armoracioides*

(*Brassica besseriana* Andrz.) = *Brassica juncea*

Brassica campestris L.

(*Brassica cretacea* (Kotov) Stank., nom. inval.) = *Erucastrum cretaceum*

Brassica cretica Lam.

Note: Old records from the Crimean South Coast need confirmation.

{*Brassica elongata* auct. non Ehrh.} = *Erucastrum armoracioides*

(*Brassica eruca* L.) = *Eruca vesicaria*

Brassica juncea (L.) Czern.

*!**Brassica napus** L.

Brassica nigra (L.) W.D.J.Koch

*!**Brassica oleracea** L.

[*Brassica orientalis* L.] = *Conringia orientalis*

(*Brassica polymorpha* Murray) = *Sisymbrium polymorphum*

*!**Brassica rapa** L.

[*Brassica rapa* L. subsp. *campestris* (L.) A.R.Clapham] = *Brassica campestris*

{*Brassica sylvestris* auct. non (L.) Mill.} = *Brassica taurica* & *Brassica campestris*

(*Brassica sylvestris* (L.) Mill. subsp. *taurica* Tzvelev) = *Brassica taurica*

Brassica taurica (Tzvelev) Tzvelev

Conservation status: RDBU (I); IUCN RL (I), as *Brassica sylvestris* subsp. *taurica*; ERL (R).

Note: Native status doubtful; probably conspecific with *B. incana* Ten. (*B. oleracea* group).
(*Brassica vesicaria* L.) = *Eruca vesicaria*

(*Bunias arvensis* Jord.) = *Bunias erucago*

Bunias erucago L.

Bunias orientalis L.

(*Bunias syriaca* (L.) M.Bieb.) = *Euclidium syriacum*

{*Cakile maritima* auct. non Scop.} = *Cakile euxina*

[*Cakile maritima* Scop. subsp. *euxina* (Pobed.) Nyár.] = *Cakile euxina*

Cakile euxina Pobed.

Calepina irregularis (Asso) Thell.

(*Camelina albiflora* (Boiss.) N.Busch) = *Camelina rumelica*

Camelina alyssum (Mill.) Thell.

(*Camelina dentata* (Willd.) Pers.) = *Camelina alyssum*

(*Camelina glabrata* (DC.) Fritsch) = *Camelina sativa*

(*Camelina linicola* Schimp. & Spenner) = *Camelina alyssum*

Camelina macrocarpa Wierzb. ex Rechb. ~ *Camelina alyssum*

Camelina microcarpa Andrz.

[*Camelina microcarpa* Andrz. subsp. *sylvestris* (Wallr.) Hiitonen] = *Camelina sylvestris*

(*Camelina pilosa* (DC.) N.Zinger) = *Camelina sylvestris*

{*Camelina pilosa* sensu N.Zinger} = *Camelina sativa* subsp. *zingeri*

Camelina rumelica Velen.

Camelina sativa (L.) Crantz

Camelina sativa (L.) Crantz subsp. **zingeri** (Mirek) Smejkal

(*Camelina sativa* (L.) Crantz var. *pilosa* DC.) = *Camelina sylvestris*

(*Camelina sativa* (L.) Crantz var. *zingeri* Mirek) = *Camelina sativa* subsp. *zingeri*

Camelina sylvestris Wallr. ~ *Camelina microcarpa*

Capsella bursa-pastoris (L.) Medik.

Capsella orientalis Klokov ~ *Capsella bursa-pastoris*

Capsella rubella Reut.

Note: Collected as a rare alien species in Kiev and some other regions of Ukraine after the Second World War; now probably extinct.

Cardamine amara L.

[*Cardamine amara* L. subsp. *opicii* (J.Presl et C.Presl) Čelak.] = *Cardamine opicii*

[*Cardamine bulbifera* (L.) Crantz] = *Dentaria bulbifera*

Cardamine dentata Schult. ~ *Cardamine pratensis* aggr.

Cardamine flexuosa With.

[*Cardamine glandulifera* O.Schwarz] = *Dentaria glandulosa*
(*Cardamine glandulosa* (Waldst. & Kit.) Čelak., non Blanco) = *Dentaria glandulosa*
***Cardamine graeca* L.**

Conservation status: RDBU (1).

Note: Reported for Crimea and W Ukraine. However, the Carpathian records are based on misidentification (K. Marhold, personal communication).

***Cardamine hirsuta* L.**

***Cardamine impatiens* L.**

***Cardamine majovskii* Marhold & Zaborsky ~ *Cardamine pratensis* aggr.**

***Cardamine matthioli* Moretti ~ *Cardamine pratensis* aggr.**

(*Cardamine multicaulis* Hoppe) = *Cardamine hirsuta*

Cardamine opicii* J.Presl & C.Presl ~ *Cardamine amara

(*Cardamine opizii* J.Presl & C.Presl, ortho) = *Cardamine opicii*

(*Cardamine paludosa* Knap) = *Cardamine dentata*

(*Cardamine palustris* (Wimmer & Graebn.) Peterm.) = *Cardamine dentata*

***Cardamine parviflora* L.**

***Cardamine pratensis* L.**

(*Cardamine pratensis* L. subsp. *dentata* (Schult.) Čelak.) = *Cardamine dentata*

[*Cardamine pratensis* L. subsp. *matthioli* (Moretti) Nyman] = *Cardamine matthioli*

[*Cardamine pratensis* L. subsp. *paludosa* (Knap) Čelak.] = *Cardamine dentata*

[*Cardamine pratensis* L. subsp. *rivularis* (Schur) Nyman] = *Cardamine rivularis*

[*Cardamine quinquefolia* (M.Bieb.) Schmalh.] = *Dentaria quinquefolia*

***Cardamine rivularis* Schur ~ *Cardamine pratensis* aggr.**

(*Cardamine sylvatica* Link) = *Cardamine flexuosa*

***Cardamine tenera* J.G.Gmel. ex C.A.Mey.**

***Cardamine trifolia* L.**

(*Cardamine umbrosa* Andrzej. ex DC.) = *Cardamine flexuosa*

***Cardaminopsis arenosa* (L.) Hayek**

[*Cardaminopsis arenosa* (L.) Hayek subsp. *borbasii* (Zapał.) Pawl. ex H.Scholz. =

Cardaminopsis multijuga

(*Cardaminopsis arenosa* (L.) Hayek var. *multijuga* (Borbás) Kotov) = *Cardaminopsis multijuga*

(*Cardaminopsis borbasii* Zapał.) = *Cardaminopsis multijuga*

(*Cardaminopsis dependens* Soó) = *Cardaminopsis multijuga*

***Cardaminopsis halleri* (L.) Hayek**

[*Cardaminopsis halleri* (L.) Hayek subsp. *ovirensis* (Wulfen) E.Schmid] = *Cardaminopsis ovirensis*

***Cardaminopsis neglecta* (Schult.) Hayek**

Cardaminopsis multijuga* (Borbás) Czerep. ~ *Cardaminopsis arenosa

Cardaminopsis ovirensis* (Wulfen) Thell. ex Jáv. ~ *Cardaminopsis halleri

(*Cardaminopsis ovirensis* (Wulfen) O.Schwarz, comb. superfl.) = *Cardaminopsis ovirensis*

***Cardaminopsis petraea* (L.) Hiitonen**

Cardaminopsis petrogena* (A.Kern.) Mesiček ~ *Cardaminopsis arenosa

Cardaria chalepensis (L.) Hand.-Mazz.

Note: The alien plants recently found by I. Moiseenko in Kherson most probably belong to *Cardaria repens* (Schrenk) Jarm., a Central Asian "microspecies" of the *C. chalepensis* aggregate. See S. Mosyakin & I Moiseenko (1999, Ukr. Bot. Zhurn. 56(2): 163-166).

Cardaria draba (L.) Desv.

Cardaria pubescens (C.A.Mey.) Jarm.

Note: A rare alien species known from Kiev and Odessa.

(*Chamaepodium officinale* (L.) Wallr.) = *Sisymbrium officinale*

(*Cheiranthus apricus* Stephan) = *Clausia aprica*

(*Cheiranthus canus* Piller & Mitterp.) = *Syrenia cana*

*!**Cheiranthus cheiri** L.

(*Cheiranthus erysimoides* L.) = *Erysimum odoratum*

(*Cheiranthus leucanthemus* Stephan) = *Erysimum leucanthemum*

(*Cheiranthus montanus* Pall.) = *Syrenia montana*

(*Cheiranthus siliculosus* M.Bieb.) = *Syrenia siliculosa*

Chorispora tenella (Pall.) DC.

Clausia aprica (Stephan) Korn.-Trotzky

Clypeola jonthlaspi L.

[*Clypeola jonthlaspi* L. subsp. *microcarpa* (G.Moris) Arcang.] = *Clypeola microcarpa*

Clypeola microcarpa G.Moris ~ *Clypeola jonthlaspi*

{*Cochlearia officinalis* auct. non L.} = *Cochlearia polonica*

{*Cochlearia polonica* auct. non E.Froehl.} = *Cochlearia pyrenaica*

Conservation status: RDBU (I), as *Cochlearia polonica*; IUCN RL (Ex/E); ERL (E).

Cochlearia pyrenaica DC.

Note: Ukrainian plants were usually identified as *C. polonica*. See discussion in

R. Vogt (1985, Ber. Bayer. Bot. Ges. 56: 24).

(*Cochlearia sibirica* Willd.) = *Sobolewskia sibirica*

Conringia clavata Boiss.

Note: Reported for Crimea, between Sudak and Novyi Svet (see V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Conringia orientalis (L.) Dumort.

(*Conringia perfoliata* (C.A.Mey.) N.Busch 1939, non Link 1822) = *Conringia clavata*

(*Coronopus procumbens* Ces., Passerini & Gibelli) = *Coronopus squamatus*

(*Coronopus procumbens* Gilib., nom. inval.) = *Coronopus squamatus*

Coronopus squamatus (Forssk.) Asch.

Crambe aspera M.Bieb.

Conservation status: ERL (R).

(*Crambe buschii* (O.E.Schulz) Stank.) = *Crambe aspera*

Crambe grandiflora DC.

Note: According to O. Dubovik (1995, Bot. Zhurn. 80(6): 87-93), *C. grandiflora* is a synonym of *C. pinnatifida*.

Crambe koktebelica (Junge) N.Busch

Conservation status: RDBU (2).

(*Crambe koktebelica* (Junge) N.Busch var. *mitridatis* (Juz.) Kotov) = *Crambe mitridatis* {*Crambe maritima* auct. non L.} = *Crambe pontica*

Note: According to O. Dubovik (1995, l.c.), *C. maritima* has been probably described from Crimea, and thus this name should be applied to plants of Ukraine.

Crambe mitridatis Juz.

Conservation status: RDBU (1); ERL (R).

Crambe pinnatifida R.Br.

Crambe pontica Steven ex Rupr.

Crambe steveniana Rupr.

Conservation status: RDBU (1); IUCN RL (1).

Crambe tataria Sebeok

(*Crambe tatarica* Pall.) = *Crambe tataria*

Dentaria bulbifera L.

Dentaria glandulosa Waldst. & Kit.

Dentaria quinquefolia M.Bieb.

Descurainia sophia (L.) Webb ex Prantl

Diplotaxis cretacea Kotov

Conservation status: RDBU (3).

Diplotaxis muralis (L.) DC.

Diplotaxis × **tanaitica** Schtscherbina = *Diplotaxis cretacea* × *Diplotaxis muralis*

Diplotaxis tenuifolia (L.) DC.

Diplotaxis viminea (L.) DC.

Draba aizoides L.

Draba carinthiaca Hoppe

Draba cuspidata M.Bieb.

Conservation status: IUCN RL (R).

Draba muralis L.

Draba nemorosa L.

Draba sibirica (Pall.) Thell.

Note: Records of this species from Ukraine (adventive, along railroads) need confirmation.

{*Draba siliquosa* auct. non M.Bieb.} = *Draba carinthiaca*

(*Draba verna* L.) = *Erophila verna*

Erophila krockeri Andr. ~ *Erophila verna* aggr.

Erophila praecox (Steven) DC. ~ *Erophila verna* aggr.

Erophila verna (L.) Besser

(*Erophila verna* (L.) Chevall., comb. superfl.) = *Erophila verna*

[*Erophila verna* (L.) Besser subsp. *praecox* (Steven) Walters] = *Erophila praecox*

(*Eruca sativa* Mill.) = *Eruca vesicaria*

*!**Eruca vesicaria** (L.) Cav.

Erucastrum armoracioides (Czern. ex Turcz.) Cruchet

Erucastrum cretaceum Kotov ~ *Erucastrum armoracioides*

{*Erucastrum elongatum* auct. non (Ehrh.) Rehb.} = *Erucastrum armoracioides*

Erucastrum gallicum (Wild.) O.E.Schulz

(*Erucastrum incanum* (L.) W.D.J.Koch) = *Hirschfeldia incana*

Erucastrum nasturtiifolium (Poir.) O.E.Schulz

(*Erysimum alliaria* L.) = *Alliaria petiolata*

Erysimum andrzejevskianum Besser ~ *Erysimum diffusum*

Erysimum aureum M.Bieb.

(*Erysimum canescens* Roth) = *Erysimum diffusum*

Erysimum cheiranthoides L.

[*Erysimum cheiri* (L.) Crantz] = *Cheiranthus cheiri*

Erysimum cretaceum (Rupr.) Schmalh.

Conservation status: ERI. (I).

Erysimum cuspidatum (M.Bieb.) DC.

Erysimum diffusum Ehrh.

(*Erysimum durum* J.Presl & C.Presl) = *Erysimum marschallianum*

(*Erysimum erysimoides* (L.) Fritsch ex Janchen, non (Kar. & Kir.) O.E.Schulz) =

Erysimum odoratum

Erysimum exaltatum Andr. ex Besser ~ *Erysimum odoratum* aggr.

{*Erysimum hieraciifolium* auct. non L.} = *Erysimum strictum*

Note: The name *E. hieraciifolium* caused much confusion and was considered by some authors as nom. ambig. and even nom. illeg. The type material of *E. hieraciifolium* s.str. probably belongs either to the Central European taxon known also as *E. crepidifolium* Rehb., or to *E. odoratum*.

Erysimum hungaricum Zapal. ~ *Erysimum strictum*

Erysimum krynkense Lavrenko

Conservation status: ERL (R).

Erysimum leptostylum DC.

Erysimum leucanthemum (Stephan) B.Fedtsch.

Erysimum marschallianum Andr. ex DC. ~ *Erysimum strictum*

Erysimum odoratum Ehrh.

(*Erysimum officinale* L.) = *Sisymbrium officinale*

(*Erysimum pannonicum* Crantz, nom. illeg.) = *Erysimum odoratum*

(*Erysimum ramosissimum* Crantz) = *Erysimum repandum*

Erysimum repandum L.

(*Erysimum rigidum* DC.) = *Erysimum repandum*

Erysimum strictum P.Gaertn., B.Mey. & Scherb.

(*Erysimum strictum* DC.) = *Erysimum odoratum*

(*Erysimum sylvaticum* M.Bieb.) = *Erysimum aureum*

Erysimum transilvanicum Schur ~ *Erysimum odoratum* aggr.

Erysimum ucranicum J.Gay

Conservation status: IUCN RL (R).

{*Erysimum ucranicum* auct. non J.Gay} = *Erysimum cretaceum*

(*Erysimum versicolor* M.Bieb.) = *Erysimum leucanthemum*

Erysimum witmannii Zawadzki ~ *Erysimum odoratum* aggr.

(*Erysimum witmannii* Zawadzki subsp. *transilvanicum* (Schur) P.W.Ball) = *Erysimum transilvanicum*

Euclidium syriacum (L.) R.Br.

(*Fedtschenkoa africana* (L.) Dvořák) = *Strigosella africana*

Fibigia clypeata (L.) Medik.

Goldbachia laevigata (M.Bieb.) DC.

Note: Reported in Ukraine only once, as a rare casual alien in Kiev; now disappeared.

(*Goldbachia reticulata* (O.Kuntze) Vassilcz.) = *Goldbachia laevigata*

Hesperis candida Kit. ex Mueggenb., Kanitz & Knapp ~ *Hesperis matronalis* aggr.

Hesperis matronalis L.

(*Hesperis matronalis* L. subsp. *candida* (Kit. ex Mueggenb., Kanitz & Knapp) Hegi & E.Schmid) = *Hesperis candida*

(*Hesperis matronalis* L. subsp. *nivea* (Baumg.) Kulcz.) = *Hesperis nivea*

(*Hesperis matronalis* L. subsp. *sibirica* (L.) Hayek) = *Hesperis sibirica*

(*Hesperis matronalis* L. subsp. *voronovii* (N.Busch) P.W.Ball) = *Hesperis voronovii*

Hesperis nivea Baumg. ~ *Hesperis matronalis* aggr.

Note: Reported for the Carpathians; needs confirmation.

Hesperis pycnotricha Borbás & Degen.

Hesperis sibirica L. ~ *Hesperis matronalis* aggr.

Hesperis steveniana DC. ~ *Hesperis sylvestris* aggr.

Hesperis suaveolens (Andrz.) Steud. ~ *Hesperis sylvestris* aggr.

?**Hesperis sylvestris** Crantz

Note: No reliable records of *H. sylvestris* s.str. are available from Ukraine yet.

{*Hesperis sylvestris* auct. non Crantz} = *Hesperis suaveolens* & *Hesperis steveniana*

Hesperis tristis L.

(*Hesperis verna* L.) = *Arabis verna*

Hesperis voronovii N.Busch ~ *Hesperis matronalis* aggr.

Hirschfeldia incana (L.) Lagr.-Foss.

Hornungia petraea (L.) Rchb.

[*Hutchinsia petraea* (L.) R.Br.] = *Hornungia petraea*

Hymenolobus procumbens (L.) Fourr.

*!**Iberis amara** L.

Iberis pinnata L.

Iberis saxatilis L.

{*Iberis simplex* auct. non DC.} = *Iberis taurica*

Iberis taurica DC.

*!**Iberis umbellata** L.

Isatis campestris Steven ex DC. ~ *Isatis tinctoria* aggr.

{*Isatis canescens* auct. non DC.} = *Isatis tomentella*

Isatis costata C.A.Mey.

?**Isatis heterocarpa** Andrz.

Note: The exact taxonomic identity of this species is uncertain; however, it clearly belongs to the *I. tinctoria* aggregate.

{*Isatis lasiocarpa* auct. non Ledeb.} = *Isatis praecox*

(*Isatis lasiocarpa* Ledeb) = *Isatis costata*

Isatis littoralis Steven ex DC.

Conservation status: ERL (I).

(*Isatis maeotica* DC.) = *Isatis campestris*

Isatis praecox Kit. ex Tratt. ~ *Isatis tinctoria* aggr.

Isatis taurica M.Bieb. ~ *Isatis tinctoria* aggr.

Isatis tinctoria L.

(*Isatis tinctoria* L. subsp. *campestris* (Steven ex DC.) Kulcz.) = *Isatis campestris*

(*Isatis tinctoria* L. subsp. *praecox* (Kit. ex Tratt.) Domin & Podp.) = *Isatis praecox*

(*Isatis tinctoria* L. subsp. *tomentella* (Boiss. & Balansa) P.H.Davis) = *Isatis tomentella*

Isatis tomentella Boiss. & Balansa ~ *Isatis tinctoria* aggr.

Isatis villarsii Gaudin ~ *Isatis tinctoria* aggr.

[*Konig maritima* (L.) R.Br.] = *Lobularia maritima*

Leavenworthia torulosa A.Gray

Lepidium affine Ledeb. ~ *Lepidium latifolium* s.l.

{*Lepidium apetalum* auct. non Willd.} = *Lepidium densiflorum*

(*Lepidium borysthenticum* Kleopow) = *Lepidium crassifolium*

Lepidium campestre (L.) R.Br.

Lepidium cartilagineum (J.Mayer) Thell.

(*Lepidium cartilagineum* (J.Mayer) Thell. subsp. *crassifolium* (Waldst. & Kit.) Thell.) =

Lepidium crassifolium

(*Lepidium cartilagineum* (J.Mayer) Thell. subsp. *pumilum* (Boiss. & Balansa) Hedge) =
Lepidium pumilum

(*Lepidium cartilagineum* (J.Mayer) Thell. var. *borysthenicum* (Kleopow) Latowski) =
Lepidium borysthenicum

[*Lepidium chalepense* L.] = *Cardaria chalepensis*

Lepidium crassifolium Waldst. & Kit. ~ *Lepidium cartilagineum* aggr.

Lepidium densiflorum Schrad.

[*Lepidium draba* L.] = *Cardaria draba*

Lepidium graminifolium L.

Lepidium latifolium L.

{*Lepidium meyeri* auct. non Claus} = *Lepidium turczaninowii*

[*Lepidium meyeri* Claus subsp. *turczaninowii* (Lipsky) Schmalh.] = ***Lepidium turczaninowii***

Lepidium perfoliatum L.

Lepidium pinnatifidum Ledeb.

Note: Reported for Crimea, Kerch (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Lepidium pumilum Boiss. & Balansa ~ *Lepidium cartilagineum* aggr.

Lepidium ruderale L.

****Lepidium sativum*** L.

(*Lepidium sibiricum* Pall.) = *Draba sibirica*

(*Lepidium sibiricum* Schweigg. 1812, non Pall. 1776) = *Lepidium affine*

Lepidium syvaschicum Kleopow ~ *Lepidium cartilagineum* aggr.

Conservation status: ERL (R).

Lepidium turczaninowii Lipsky ~ *Lepidium meyeri*

Conservation status: RDBU (1); IUCN RL (R); ERL (E).

Lepidium virginicum L.

Note: See V. Protopopova & al. (1994, Ukr. Bot. Zhurn. 51(2-3): 225-228).

*!***Lobularia maritima*** (L.) Desv.

*!***Lunaria annua*** L.

Lunaria rediviva L.

Conservation status: RDBU (3).

(*Malcolmia africana* (L.) R.Br.) = *Strigosella africana*

****Matthiola annua*** (L.) Sweet ~ *Matthiola incana*

*!***Matthiola bicornis*** (Sibth. & Smith) DC. ~ *Matthiola longipetala*

Matthiola fragrans Bunge

*!***Matthiola incana*** (L.) R.Br.

{*Matthiola incana* auct. non R.Br.} = *Matthiola annua*

****Matthiola longipetala*** (Vent.) DC.

[*Matthiola longipetala* (Vent.) DC. subsp. *bicornis* (Sibth. & Smith) P.W.Ball] =

Matthiola bicornis

Matthiola odoratissima (M.Bieb.) R.Br.

(*Matthiola odoratissima* (M.Bieb.) R.Br. subsp. *taurica* (Conti) Stank.) = *Matthiola odoratissima*
(*Matthiola oxyceras* DC.) = *Matthiola longipetala*
(*Matthiola taurica* (Conti) Grossh.) = *Matthiola odoratissima*

Meniocus linifolius (Stephan ex Willd.) DC.

[*Microthlaspi perfoliatum* (L.) F.K.Mey.] = *Thlaspi perfoliatum*

Myagrum perfoliatum L.

(*Myagrum perenne* L.) = *Rapistrum perenne*

(*Myagrum rugosum* L.) = *Rapistrum rugosum*

[*Nasturtium officinale* R.Br.] = *Rorippa nasturtium-aquaticum*

(*Nasturtium natans* DC.) = *Rorippa amphibia*

(*Nasturtium riparium* Wallr.) = *Rorippa amphibia*

(*Nasturtium austriacum* Crantz) = *Rorippa austriaca*

(*Nasturtium brachycarpum* C.A.Mey.) = *Rorippa brachycarpa*

(*Nasturtium sylvestre* (L.) R.Br.) = *Rorippa sylvestris*

?***Neotorularia contortuplicata*** (Stephan ex Willd.) O.E.Schulz

Note: Old records from Crimea are unconfirmed.

Neotorularia torulosa (Desf.) Hedge & J.Leonard

Neslia paniculata (L.) Desv.

[*Noccaea dacica* (Heuff.) F.K.Mey.] = *Thlaspi dacicum*

[*Noccaea praecox* (Wulfen) F.K.Mey.] = *Thlaspi praecox*

[*Noccaea kovatsii* (Heu.) F.K.Mey.] = *Thlaspi kovatsii*

[*Noccaea macrantha* (Lipsky) F.K.Mey.] = *Thlaspi macranthum*

[*Psilonema calycinum* (L.) C.A.Mey.] = *Alyssum calycinum*

Raphanus candidus Worosch.

Note: Probably a hybrid *R. raphanistrum* × *R. sativus*.

Raphanus maritimus Smith

(*Raphanus odessanus* (Andrz.) Spreng.) = *Raphanus maritimus*

Raphanus raphanistrum L.

*!***Raphanus sativus*** L.

[*Raphanus tenellus* Pall.] = *Chorispora tenella*

{*Rapistrum orientale* auct. non Crantz} = *Rapistrum rugosum*

Rapistrum perenne (L.) All.

Rapistrum rugosum (L.) Bergeret

Rorippa amphibia (L.) Besser

(*Rorippa amphibia* (L.) Besser var. *natans* (DC.) Kotov) = *Rorippa amphibia*

(*Rorippa amphibia* (L.) Besser var. *riparia* (Wallr.) Kotov) = *Rorippa amphibia*

Rorippa × anceps (Wahlenb.) Rchb. = *Rorippa amphibia* × *Rorippa sylvestris*

Rorippa × armoracioides (Tausch) Fuss = *Rorippa austriaca* × *Rorippa sylvestris*

?**Rorippa × astyla** (Rchb.) Rchb. = *Rorippa palustris* × *Rorippa sylvestris*

Note: Distribution of *Rorippa* hybrids in Ukraine is insufficiently known.

Rorippa austriaca (Crantz) Besser

Rorippa brachycarpa (C.A.Mey.) Hayek

Rorippa dogadovae Tzvelev

Rorippa × hungarica Borbás = *Rorippa amphibia* × *Rorippa austriaca*

(*Rorippa hybrida* Klokov) = *Rorippa brachycarpa*

{*Rorippa hybrida* auct. non Klokov} = *Rorippa × anceps*

(*Rorippa islandica* (Oeder ex Murray) Borbás subsp. *dogadovae* (Tzvelev) Jonsell) =

Rorippa dogadovae

Rorippa nasturtium-aquaticum (L.) Hayek

Rorippa palustris (L.) Besser

(*Rorippa × podolica* Zapal.) = *Rorippa × hungarica*

Rorippa prolifera (Heuff.) Neilr. ~ *Rorippa sylvestris*

(*Rorippa × prostrata* (Bergeret) Schinz & Thell., nom. ambig.) = *Rorippa × anceps*

Rorippa pyrenaica (Lam.) Rchb.

(*Rorippa repens* Borbás) = *Rorippa × anceps*

?**Rorippa × sodalis** Zapal. = *Rorippa amphibia* × *Rorippa sylvestris*

?**Rorippa × stenophylla** Borbás = *Rorippa pyrenaica* × *Rorippa sylvestris*

Rorippa sylvestris (L.) Besser

Schivereckia mutabilis (M.Alexeenko) M.Alexeenko ~ *Schivereckia podolica* s.l.

Schivereckia podolica (Besser) Andr. ex DC.

Conservation status: RDBU (1), including *Schivereckia mutabilis*; IUCN RL (1).

*!**Sinapis alba** L.

{*Sinapis alba* auct. non L.} = *Sinapis dissecta*

[*Sinapis alba* L. subsp. *dissecta* (Lag.) Simonk.] = *Sinapis dissecta*

Sinapis arvensis L.

Sinapis dissecta Lag.

(*Sinapis nigra* L.) = *Brassica nigra*

(*Sinapis taurica* M.Bieb.) = *Hirschfeldia incana*

(*Sinapis ucrainica* Czern.) = *Sinapis dissecta*

Sisymbrium altissimum L.

(*Sisymbrium amphibium* L.) = *Rorippa amphibia*

(*Sisymbrium arenosum* L.) = *Cardaminopsis arenosa*

Sisymbrium austriacum Jacq.

Sisymbrium confertum Steven ex Turcz.

(*Sisymbrium gallicum* Willd.) = *Erucastrum gallicum*

(*Sisymbrium junceum* (Willd.) M.Bieb.) = *Sisymbrium polymorphum*

***Sisymbrium loeselii* L.**

(*Sisymbrium multisiliquosum* Hoffm.) = *Sisymbrium irio*

(*Sisymbrium murale* L.) = *Diploaxis muralis*

***Sisymbrium officinale* (L.) Scop.**

***Sisymbrium orientale* L.**

(*Sisymbrium pannonicum* Jacq.) = *Sisymbrium altissimum*

***Sisymbrium polymorphum* (Murray) Roth**

[*Sisymbrium sophia* L.] = *Descurainia sophia*

***Sisymbrium strictissimum* L.**

***Sisymbrium supinum* L.**

(*Sisymbrium sylvestre* L.) = *Rorippa sylvestris*

(*Sisymbrium tenuifolium* L.) = *Diploaxis tenuifolia*

***Sisymbrium volgense* M.Bieb. ex Fourn.**

(*Sisymbrium wolgensense* M.Bieb. ex Fourn., ortho) = *Sisymbrium volgense*

***Sobolewskia sibirica* (Willd.) P.W.Ball**

Conservation status: RDBU (2); ERL (V).

(*Sobolewskia lithophila* M.Bieb.) = *Sobolewskia sibirica*

***Strigosella africana* (L.) Botsch.**

?*Subularia aquatica* L.

Note: Only old records of this species (Vinnitsa and Dnipropertovsk regions) are available from Ukraine.

(*Syrenia aucta* Klokov) = *Syrenia montana*

***Syrenia cana* (Piller & Mitterp.) Neir.**

(*Syrenia dolichostylos* Klokov) = *Syrenia montana*

***Syrenia montana* (Pall.) Klokov**

(*Syrenia praevisa* Klokov) = *Syrenia cana*

(*Syrenia sessiliflora* Ledeb., nom. illeg.) = *Syrenia montana*

***Syrenia siliculosa* (M.Bieb.) Andrz.**

***Syrenia talijevii* Klokov**

Conservation status: ERL (R).

(*Syrenia ucrainica* Klokov) = *Syrenia cana*

***Teesdalia coronopifolia* (Bergeret) Thell.**

Note: The species is reported from Crimea (Ayudag and Maly Mayak).

***Teesdalia nudicaulis* (L.) R.Br.**

***Thlaspi alliaceum* L.**

***Thlaspi arvense* L.**

(*Thlaspi bursa-pastoris* L.) = *Capsella bursa-pastoris*
(*Thlaspi campestre* L.) = *Lepidium campestre*
(*Thlaspi coronopifolium* Bergeret) = *Teesdalia coronopifolia*
Thlaspi dacicum Heuff.
Thlaspi kovatsii Heuff.
Thlaspi macranthum (Lipsky) N.Busch
Thlaspi perfoliatum L.
Thlaspi praecox Wulf

(*Torularia contortuplicata* (Stephan) O.E.Schulz, nom. illeg.) = *Neotorularia contortuplicata*
(*Torularia torulosa* (Desf.) O.E.Schulz, nom. illeg.) = *Neotorularia torulosa*

Turritis glabra L.

FAMILY Buddlejaceae

**Buddleja davidii* Franch.

FAMILY Buxaceae

**Buxus balearica* Lam.

**Buxus sempervirens* L.

FAMILY Cactaceae

{*Opuntia camanchica* auct. non Engelm. & Bigelow} = *Opuntia humifusa*

*!*Opuntia humifusa* Raf.

Note: Locally naturalized in SE Crimea. Several other species are cultivated in Crimea.

The taxonomic identity of the escaped and naturalized species is somewhat uncertain and needs clarification.

FAMILY Caesalpiaceae

**Caesalpinia gilliesii* (Wall. ex Hook.) Benth.

[*Cassia tora* L.] = *Senna tora*

**Cercis canadensis* L.

**Cercis chinensis* Bunge

*!*Cercis siliquastrum* L.

Note: Reported as escaped and locally naturalized in Crimea.

**Gleditsia aquatica* Marshall

Note: Rarely cultivated, mostly in Crimea.

**Gleditsia caspia* Desf.

***Gleditsia macracantha** Desf.

Note: Rarely cultivated in Crimea.

*!**Gleditsia triacanthos** L.

(*Gleditschia*, ortho) = *Gleditsia*

(*Guilandina dioica* L.) = *Gymnocladus dioicus*

(*Gymnocladus canadensis* Lam.) = *Gymnocladus dioicus*

***Gymnocladus dioicus** (L.) K.Koch.

Senna tora (L.) Roxb.

Note: A rare casual alien reported from Odessa by T. Vasilieva.

FAMILY Callitrichaceae

(*Callitriche autumnalis* L.) = *Callitriche hermaphroditica*

Callitriche cophocarpa Sendtner

Callitriche hamulata Kutz. ex W.D.J.Koch

Callitriche hermaphroditica L.

Callitriche palustris L.

(*Callitriche polymorpha* Lönnr.) = *Callitriche cophocarpa*

Callitriche stagnalis Scop.

(*Callitriche verna* L.) = *Callitriche palustris*

(*Callitriche vernalis* W.D.J.Koch) = *Callitriche palustris*

FAMILY Campanulaceae

Adenophora lilifolia (L.) Ledeb. ex A.DC.

(*Adenophora lilifolia* (L.) Besser) = *Adenophora lilifolia*

Adenophora taurica (Sukacz.) Juz.

Conservation status: RDBU (1); IUCN RL (R); ERL (R).

Asyneuma canescens (Waldst. & Kit.) Griseb. & Schenk

Campanula abietina Griseb. & Schenk

Campanula alpina Jacq

Campanula altaica Ledeb.

Campanula bononiensis L.

Campanula carpatica Jacq.

Conservation status: RDBU (1).

Campanula cervicaria L.

Campanula charkeviczii Fed. ~ *Campanula sibirica*

Conservation status: ERL (E).

(*Campanula elatior* (Fomin) Grossh.) = *Campanula praealta*

Campanula elliptica Kit. ~ *Campanula glomerata*

Campanula erinus L. ~ *Campanula sibirica*

Campanula farinosa Andr. ~ *Campanula glomerata*
Campanula glomerata L.
 (*Campanula glomerata* L. subsp. *elliptica* (Kit.) Jáv.] = *Campanula elliptica*
 (*Campanula glomerata* L. subsp. *elliptica* (Kit.) Jáv.f. *subcapitata* (M.Pop.) Soó) =
 Campanula subcapitata
 [*Campanula glomerata* L. subsp. *farinosa* (Andrz.) Kirschl.] = *Campanula farinosa*
 [*Campanula glomerata* L. subsp. *subcapitata* (M.Pop.) Fed.] = *Campanula subcapitata*
 (*Campanula hornungiana* Schur) = *Campanula serrata*
Campanula kladniana (Schur) Witasek
 [*Campanula kladniana* (Schur) Witasek subsp. *polymorpha* Witasek] = *Campanula*
 polymorpha
Campanula latifolia L.
 (*Campanula lilifolia* L.) = *Adenophora lilifolia*
Campanula macrostachya Waldst. & Kit. ex Willd.
 *!**Campanula medium** L.
 (*Campanula nanella* Schur) = *Campanula erinus*
 (*Campanula napuligera* Schur) = *Campanula serrata*
 (*Campanula neglecta* Besser) = *Campanula rapunculoides*
 (*Campanula neglecta* Roem. & Schult.) = *Campanula patula*
Campanula patula L.
 [*Campanula patula* L. subsp. *abietina* (Griseb. & Schenk) Simonk.] = *Campanula abietina*
Campanula persicifolia L.
Campanula polymorpha Witasek
 (*Campanula polessica* Wissjul.) = *Campanula glomerata*
Campanula praealta Galushko ~ *Campanula sibirica*
Campanula pulchra Wissjul. ~ *Campanula elliptica*
Campanula polymorpha Witasek
Campanula rapunculoides L.
Campanula rapunculus L.
Campanula rotundifolia L.
 [*Campanula rotundifolia* L. subsp. *polymorpha* (Witasek) Tacik] = *Campanula polymorpha*
 [*Campanula rotundifolia* L. subsp. *kladniana* (Schur) Tacik] = *Campanula kladniana*
Campanula kladniana (Schur) Witasek
Campanula serrata (Kit. ex Schult.) Hendrych
Campanula sibirica L.
 [*Campanula sibirica* L. subsp. *charkeviczii* (Fed.) Fed.] = *Campanula charkeviczii*
 (*Campanula sibirica* L. subsp. *elatior* (Fomin) Fed.) = *Campanula praealta*
 [*Campanula sibirica* L. subsp. *talievii* (Juz.) Fed.] = *Campanula talievii*
 [*Campanula sibirica* L. subsp. *taurica* (Juz.) Fed.] = *Campanula taurica*
 (*Campanula stevenii* M.Bieb. subsp. *altaica* (Ledeb.) Fed.) = *Campanula altaica*
Campanula subcapitata M.Pop. ~ *Campanula glomerata*
Campanula talievii Juz. ~ *Campanula sibirica*
Campanula taurica Juz. ~ *Campanula sibirica*
Campanula trachelium L.
 (*Campanula urticifolia* Schmidt) = *Campanula trachelium*

Jasione montana L.

Legousia hybrida (L.) Delarbre

Legousia pentagonia (L.) Druce

Legousia perfoliata (L.) Britt.

Note: A rare alien species collected in 1994-1996 in Odessa (T.V. Vasilieva, in press).

Phyteuma orbiculare L.

Phyteuma spicatum L.

Phyteuma tetramerum Schur

Phyteuma wagneri A.Kern.

FAMILY Cannabaceae

Cannabis ruderalis Janisch. ~ *Cannabis sativa*

*!*Cannabis sativa* L.

[*Cannabis sativa* L. subsp. *spontanea* Serebr.] = *Cannabis ruderalis*

{*Humulopsis scandens* auct. non (Lour.) Grudz.} = *Humulus japonicus*

Humulus japonicus Siebold & Zucc.

Humulus lupulus L.

Note: Some Ukrainian plants (introduced forms ?) of this polymorphic species are morphologically similar to, or probably conspecific with, *H. americanus* Nutt. (*H. lupulus* var. *lupuloides* E.Small).

{*Humulus scandens* auct. non (Lour.) Merrill!} = *Humulus japonicus*

Note: According to E.Small (1997, *Fl. of North America* 3: 381-387), the disposition of the name *H. scandens* (= *Antidesma scandens* Lour.) is problematic, since the material described by J. de Loureiro was not preserved, and the original description does not coincide with that of *H. japonicus*. For nomenclatural stability, it is probably safer to use the name *H. japonicus*.

FAMILY Capparaceae

Capparis herbacea Willd.

(*Capparis ovata* Desf. var. *herbacea* (Willd.) Zohary) = *Capparis herbacea*

{*Capparis spinosa* auct. non L.} = *Capparis herbacea*

Cleome canescens Steven ex DC.

Cleome donetzica Tzvelev

Conservation status: RDBU (2).

{*Cleome ornithopodioides* auct. non L.} = *Cleome canescens* & *Cleome donetzica*

[*Cleome ornithopodioides* L. subsp. *canescens* (Steven ex DC.) Tzvelev] = *Cleome canescens*

[*Cleome ornithopodioides* L. subsp. *donetzica* (Tzvelev) Tzvelev] = *Cleome donetzica*

**Cleome spinosa* Jacq.

FAMILY (Capparidaceae) = Capparaceae

FAMILY Caprifoliaceae

(*Caprifolium hortense* Lam.) = *Lonicera caprifolium*
(*Caprifolium nigrum* (L.) Kuntze) = *Lonicera nigra*
(*Caprifolium periclymenum* (L.) Delarbre) = *Lonicera periclymenum*
(*Caprifolium tataricum* (L.) Kuntze) = *Lonicera tatarica*
(*Caprifolium vulgare* Medik.) = *Lonicera caprifolium*
(*Caprifolium xylosteum* (L.) Gaertn.) = *Lonicera xylosteum*

[*Diervilla floribunda* Siebold & Zucc.] = *Weigela floribunda*

[*Dervilla praecox* Lemoine] = *Weigela praecox*

**Diervilla sessilifolia* Buckl.

Linnaea borealis L.

Conservation status: RDBU (1).

Lonicera caerulea L.

*!*Lonicera caprifolium* L.

Lonicera etrusca Santi

Lonicera nigra L.

**Lonicera periclymenum* L.

*!*Lonicera tatarica* L.

Lonicera xylosteum L.

Note: Many exotic species of *Lonicera* are less commonly cultivated in botanical gardens, parks and arboreta.

Sambucus ebulus L.

Sambucus nigra L.

Sambucus racemosa L.

*!*Symphoricarpos albus* (L.) S.F.Blake

Note: Several other North-American species are cultivated rarely in botanical gardens.

(*Symphoricarpos racemosus* Michx.) = *Symphoricarpos albus* s.l.

(*Symphoricarpos rivularis* Suksdorf) = *Symphoricarpos albus* s.l.

Viburnum lantana L.

Viburnum opulus L.

*!*Viburnum tinus* L.

Note: Naturalized in Crimea.

**Weigela floribunda* (Siebold & Zucc.) C.A.Mey.

**Weigela praecox* (Lemoine) Bailey

FAMILY Caryophyllaceae

Agrostemma githago L.

(*Agrostemma linicola* Terechov) = *Agrostemma githago* s.l.

(*Alsine media* L.) = *Stellaria media*

(*Alsine neglecta* (Weihe) A.Löve & D.Löve) = *Stellaria neglecta*

(*Alsine nemorum* (L.) Schreb.) = *Stellaria nemorum*

(*Alsine oxypetala* Wol.) = *Minuartia oxypetala*

(*Alsine pinifolia* Fenzl var. *eglandulosa* Fenzl) = *Minuartia eglandulosa*

(*Alsine taurica* Steven) = *Minuartia taurica*

(*Alsine trinervia* (L.) Crantz) = *Moehringia trinervia*

(*Alsine umbellata* (L.) Lam.) = *Holosteum umbellatum*

(*Alsine zarczynei* Zapal.) = *Minuartia zarczynei*

(*Alsinula media* (L.) Dostál) = *Stellaria media*

(*Alsinula neglecta* (Weihe) Dostál) = *Stellaria neglecta*

(*Alsinula pallida* (Dumort.) Dostál) = *Stellaria pallida*

[*Arenaria biebersteinii* Schlecht.] = *Eremogone biebersteinii*

(*Arenaria breviflora* Gilib., nom. inval.) = *Arenaria leptoclados*

(*Arenaria brevifolia* Gilib., sphalm.) = *Arenaria leptoclados*

[*Arenaria cephalotes* M.Bieb.] = *Eremogone cephalotes*

***Arenaria leptoclados* (Rchb.) Guss.**

[*Arenaria longifolia* M.Bieb.] = *Eremogone longifolia*

(*Arenaria marina* (L.) All.) = *Spergularia salina*

(*Arenaria media* L.) = *Spergularia media*

[*Arenaria pineticola* Klokov] = *Eremogone pineticola*

(*Arenaria procera* Spreng.) = *Eremogone saxatilis*

[*Arenaria rigida* M.Bieb.] = *Eremogone rigida*

(*Arenaria rubra* L.) = *Spergularia rubra*

[*Arenaria saxatilis* L.] = *Eremogone saxatilis*

***Arenaria serpyllifolia* L.**

(*Arenaria stenophylla* L. subsp. *sarmatica* Zapal.) = *Arenaria uralensis*

(*Arenaria stenophylla* Ledeb.) = *Eremogone saxatilis*

(*Arenaria syreitschikovii* P.Smirm.) = *Eremogone saxatilis*

(*Arenaria ucranica* Spreng. ex Klokov) = *Eremogone micradenia*

(*Arenaria ucranica* Spreng. ex Steud., nom. nud.) = *Eremogone micradenia*

Arenaria uralensis* Pall. ex Spreng. ~ *Arenaria leptoclados

Arenaria zozii* Kleopow ~ *Arenaria leptoclados

Conservation status: ERL (R).

(*Bufonia parviflora* Griseb.) = *Bufonia tenuifolia*

***Bufonia tenuifolia* L.**

Cerastium alpinum L.

{*Cerastium alpinum* L. subsp. *lanatum* auct. non (Lam.) Asch. & Graebn.} = *Cerastium eriophorum*

(*Cerastium anomalum* Waldst. & Kit.) = *Dichodon viscidum*

(*Cerastium aquaticum* L.) = *Myosoton aquaticum*

Cerastium arvense L.

Cerastium atriusculum Klokov ~ *Cerastium pumilum* aggr.

Cerastium balearicum F.Herm. ~ *Cerastium semidecandrum* aggr.

Cerastium biebersteinii DC.

Conservation status: RDBU (2); ERL (I).

{*Cerastium brachypetalum* Pers. subsp. *tauricum* (Spreng.) Murb.} = *Cerastium tauricu.n*

(*Cerastium caespitosum* Gilib., nom. inval.) = *Cerastium holosteoides*

{*Cerastium cerastoides* (L.) Rchb.} = *Dichodon cerastoides*

Cerastium crassiusculum Klokov ~ *Cerastium pumilum* aggr.

Conservation status: ERL (R).

(*Cerastium dentatum* Möschl) = *Cerastium balearicum*

(*Cerastium dubium* (Bast.) Guépin) = *Dichodon viscidum*

Cerastium eriophorum Kit.

Cerastium fontanum Baumg.

{*Cerastium fontanum* Baumg. subsp. *lucorum* (Schur) Soó} = *Cerastium lucorum*

Cerastium glomeratum Thuill.

{*Cerastium gracile* auct. non Dufour} = *Cerastium pseudobulgaricum* & *Cerastium schmalhausenii*

Cerastium heterotrichum Klokov ~ *Cerastium semidecandrum* aggr.

Cerastium holosteoides Fr. ~ *Cerastium fontanum* aggr.

Cerastium kioviense Klokov ~ *Cerastium pumilum* aggr.

{*Cerastium lanatum* auct. non Lam.} = *Cerastium eriophorum*

Cerastium lucorum (Schur) Möschl ~ *Cerastium fontanum* aggr.

(*Cerastium macrocarpum* Schur) = *Cerastium fontanum*

{*Cerastium macrocarpum* auct. non Schur} = *Cerastium lucorum*

Cerastium nemorale M.Bieb.

Cerastium odessanum Klokov ~ *Cerastium pumilum* aggr.

Cerastium perfoliatum L.

Cerastium pseudobulgaricum Klokov

{*Cerastium pumilum* auct. non Curtis} = *Cerastium atriusculum*, *Cerastium kioviense*,
Cerastium syvaschicum & *Cerastium ucrainicum*

(*Cerastium rotundatum* Schur) = *Cerastium semidecandrum*

Cerastium schmalhausenii Pacz.

Conservation status: ERL (V).

Cerastium semidecandrum L.

?**Cerastium stevenii** Schischk.

Note: A problematic species collected once near Karadag, most probably conspecific with *C. holosteoides*.

Cerastium sylvaticum Waldst. & Kit.

Cerastium syvaschicum Kleopow ~ *Cerastium pumilum* aggr.

Cerastium tauricum Spreng.

***Cerastium tomentosum** L.

Cerastium ucrainicum Pacz. ex Klokov ~ **Cerastium pumilum** aggr.

(**Cerastium villosum** Steven 1856, non Baumg. 1816) = **Cerastium stevenii**

Coccyganthe flos-cuculi (L.) Fourr.

Coronaria coriacea (Moench) Schischk. & Gorschk.

[**Coronaria flos-cuculi** (L.) A. Braun] = **Coccyganthe flos-cuculi**

Cucubalus baccifer L.

Dianthus andrzejowskianus (Zapał.) Kulcz.

Note: See recent revisions of **Dianthus** in Ukraine (M. Fedoronchuk, 1998, Ukr. Bot.

Zhurn. 55(1): 21-25; 55(2): 162-169; 55(4): 422-427; 55(5): 519-523).

{**Dianthus arenarius** auct. non L.} = **Dianthus pseudosquarrosus** & **Dianthus pseudoserotinus**

Dianthus armeria L.

*!**Dianthus barbatus** L.

Dianthus bessarabicus Klokov

Conservation status: RDBU (2); ERL (R).

Note: The name **D. polymorphus** M. Bieb. subsp. **bessarabicus** Kleopow belongs to the same species, but was based on a different type.

Dianthus borbassii Vandas

(**Dianthus bucoviensis** (Zapał.) Klokov) = **Dianthus carpaticus**

(**Dianthus caesius** Smith) = **Dianthus gratianopolitanus**

Dianthus campestris M. Bieb.

(**Dianthus campestris** M. Bieb. subsp. **laevigatus** (Gruner) Klokov) = **Dianthus laevigatus**

(**Dianthus campestris** M. Bieb. subsp. **steppaceus** Sij. & Lavrenko) = **Dianthus pseudoversicolor**

Dianthus capitatus Balb. ex DC.

Dianthus capitellatus Klokov

Dianthus carbonatus Klokov

Dianthus carpaticus Wolf.

Dianthus carthusianorum L.

(**Dianthus carthusianorum** L. subsp. **pontederae** (A. Kern.) Hegi) = **Dianthus pontederae**

***Dianthus caryophyllus** L.

***Dianthus chinensis** L.

(**Dianthus chinensis** L. subsp. **pseudobarbatus** Schmalh.) = **Dianthus euponticus**

Dianthus collinus Waldst. & Kit.

(**Dianthus commutatus** (Zapał.) Klokov) = **Dianthus carthusianorum**

Dianthus compactus Kit.

Dianthus deltoides L.

Dianthus elongatus C. A. Mey.

Dianthus eugeniae Kleopow

Dianthus euponticus Zapał.

{*Dianthus fischeri* auct. non Spreng.} = *Dianthus pineticola*
 (*Dianthus giganteiformis* Borbás subsp. *pontederiae* (A.Kern.) Soó) = *Dianthus pontederiae*
Dianthus glabriusculus (Kit.) Borbás
Dianthus grationopolitanus Vill.
 Conservation status: RDBU (2); ERL (1).
Dianthus guttatus M.Bieb.
Dianthus humilis Willd. ex Ledeb.
Dianthus hypanicus Andr.
 Conservation status: RDBU (3); ERL (1).
Dianthus laevigatus Klokov ~ *Dianthus campestris* aggr.
Dianthus lanceolatus Steven ex Rchb.
 Conservation status: IUCN RL (R); ERL (1).
 {*Dianthus leptopetalus* auct. non Willd.} = *Dianthus elongatus* & *Dianthus lanceolatus*
 (*Dianthus leptopetalus* Willd. subsp. *podolicus* Kleopow) = *Dianthus lanceolatus*
 (*Dianthus maeoticus* Klokov) = *Dianthus pallidiflorus*
 (*Dianthus mariae* (Kleopow) Klokov) = *Dianthus guttatus*
Dianthus marschallii Schischk.
Dianthus membranaceus Borbás
Dianthus pallidiflorus Ser.
 Conservation status: ERL (1).
Dianthus pineticola Kleopow
Dianthus platyodon Klokov
Dianthus polonicus Zapal.
 (*Dianthus polymorphus* M.Bieb. subsp. *bessarabicus* Kleopow) = *Dianthus bessarabicus*
Dianthus pontederiae A.Kern.
 Note: Reported from Crimea by N. Tsvelev (1983, Bot. Zhurn. 68(2): 240-241).
 (*Dianthus pseudoarmeria* M.Bieb., ortho) = *Dianthus pseudoarmeria*
Dianthus pseudoarmeria M.Bieb.
 (*Dianthus pseudobarbatus* Besser, nom. nudum.) = *Dianthus euponticus*
 (*Dianthus pseudobarbatus* Besser ex Ledeb., nom. illeg.) = *Dianthus euponticus*
 Note: C. Ledebour mentioned *D. pseudobarbatus* in synonymy of *D. liburnicus* A.Kern.
Dianthus pseudoserotinus Blocki ~ *Dianthus arenarius* aggr.
Dianthus pseudosquarrosus (Novak) Klokov ~ *Dianthus arenarius* aggr.
Dianthus pseudoversicolor Klokov ~ *Dianthus campestris* aggr.
Dianthus rigidus M.Bieb.
 (*Dianthus rogoviczii* Kleopow) = *Dianthus polonicus*
Dianthus serotinus Waldst. & Kit.
 Conservation status: IUCN RL (V).
 (*Dianthus sinensis* L., ortho) = *Dianthus chinensis*
Dianthus speciosus Rchb. ~ *Dianthus superbus* aggr.
Dianthus spiculifolius Schur
Dianthus squarrosus M.Bieb.
Dianthus stenocalyx Juz. ~ *Dianthus superbus* aggr.
 {*Dianthus superbus* auct. non L.} = *Dianthus stenocalyx*
 [*Dianthus superbus* L. subsp. *alpestris* Kablik ex Čelak.] = *Dianthus speciosus*

(*Dianthus superbus* L. subsp. *speciosus* (Rchb.) Hayek) = *Dianthus speciosus*
[*Dianthus superbus* L. subsp. *stenocalyx* (Juz.) Kleopow] = *Dianthus stenocalyx*
(*Dianthus tesquicola* Klokov) = *Dianthus eugeniae*
[*Dianthus trifasciculatus* Kit. subsp. *pseudobarbatus* (Schmalh.) Jalas] = *Dianthus euponticus*
(*Dianthus trifasciculatus* Kit. subsp. *euponticus* (Zapał.) Kleopow) = *Dianthus euponticus*

***Dichodon cerastioides* (L.) Rchb.**
(*Dichodon dubium* (Bast.) Ikonn.) = *Dichodon viscidum*
***Dichodon viscidum* (M.Bieb.) Holub**

***Elisanthe noctiflora* (L.) Rupr.**
***Elisanthe viscosa* (L.) Rupr.**
***Elisanthe zawadskii* (Herbich) Klokov**
Conservation status: RDBU (3); IUCN RL (R), as *Silene zawadskii*; ERL (R).

***Eremogone biebersteinii* (Schlecht.) Holub**
***Eremogone cephalotes* (M.Bieb.) Fenzl**
Conservation status: RDBU (2); IUCN RL (I).
***Eremogone longifolia* (M.Bieb.) Fenzl**
Eremogone micradenia* (P.Smirn.) Ikonn. ~ *Eremogone saxatilis
Eremogone pineticola* (Klokov) Klokov ~ *Eremogone biebersteinii
(*Eremogone procera* (Spreng.) Rchb.) = *Eremogone saxatilis*
{*Eremogone procera* auct. non (Spreng.) Rchb.} = *Eremogone biebersteinii*
***Eremogone rigida* (M.Bieb.) Fenzl**
Conservation status: IUCN RL (R), as *Arenaria rigida*.
***Eremogone saxatilis* (L.) Ikonn.**
(*Eremogone stenophylla* (Ledeb.) Fisch. & C.A.Mey.) = *Eremogone saxatilis*

*!***Gypsophila acutifolia* Fisch. ex Spreng.**
***Gypsophila altissima* L. s.l.**
Note: Ukrainian plants described as *G. oligosperma* and *G. thyraica* are probably conspecific with *G. altissima*.
Gypsophila collina* Steven ex Ser. ~ *Gypsophila fastigiata
Gypsophila dichotoma* Besser ~ *Gypsophila fastigiata
Note: Probably conspecific with *G. fastigiata* s.str.
{*Gypsophila dichotoma* auct. non Besser} = *Gypsophila collina*
***Gypsophila elegans* M.Bieb.**
***Gypsophila fastigiata* L.**
(*Gypsophila fastigiata* L. subsp. *collina* (Steven ex Ser.) Schmalh.) = *Gypsophila collina*
***Gypsophila glomerata* Pall. ex Adams**
Conservation status: RDBU (1).
(*Gypsophila glomerata* Pall. ex M.Bieb.) = *Gypsophila pallasii*
(*Gypsophila globulosa* Steven ex Boiss.) = *Gypsophila glomerata*
[*Gypsophila muralis* L.] = *Psammophiliella muralis*

Gypsophila oligosperma A.Krasnova ~ **Gypsophila altissima**
Gypsophila pallasii Ikonn.
Gypsophila paniculata L.
Gypsophila paulii Klokov ~ **Gypsophila perfoliata**
Gypsophila perfoliata L.
Gypsophila scorzonerifolia Ser.
[**Gypsophila stepposa** Klokov] = **Psammophiliella stepposa**
Gypsophila thyratica A.Krasnova ~ **Gypsophila altissima**
Conservation status: RDBU (1).
(**Gypsophila trichotoma** Wender.) = **Gypsophila perfoliata**
(**Gypsophila ucrainica** Kleopow) = **Gypsophila fastigiata**

(**Heliosperma arcanum** Zapal.) = **Ixoca arcana**
(**Heliosperma carpaticum** (Zapal.) Klokov) = **Ixoca carpatica**

Herniaria besseri Fisch. ex Hornem.
Herniaria euxina Klokov ~ **Herniaria polygama**
Herniaria glabra L.
Herniaria hirsuta L.
{**Herniaria incana** auct. non Lam.} = **Herniaria besseri**
Herniaria kotovii Klokov ~ **Herniaria glabra**
(**Herniaria odorata** Andr. ex Schmalh.) = **Herniaria polygama**
Herniaria polygama J.Gay
Herniaria suavis Klokov ~ **Herniaria glabra**

Holosteum glutinosum (M.Bieb.) Fisch. & C.A.Mey.
Holosteum marginatum Fisch. & C.A.Mey.
Note: A Caucasian species reported for Crimea, Chatyrdag (see V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).
Holosteum subglutinosum Klokov
(**Holosteum syvaschicum** Kleopow) = **Holosteum umbellatum**
Holosteum umbellatum L.

Ixoca arcana (Zapal.) Ikonn.
Ixoca carpatica (Zapal.) Ikonn.

[**Kohlrauschia saxifraga** (L.) Dandy] = **Petrorhagia saxifraga**
Kohlrauschia prolifera (L.) Kunth

Lychnis chalconica L.
[**Lychnis coronaria** (L.) Desr.] = **Coronaria coriacea**
[**Lychnis flos-cuculi** L.] = **Coccyganthe flos-cuculi**
(**Lychnis viscaria** L.) = **Steris viscaria**

(**Malachium aquaticum** (L.) Fr.) = **Myosoton aquaticum**

Melandrium album (Mill.) Garcke
 (Melandrium boissieri Schischk.) = Melandrium latifolium
Melandrium dioicum (L.) Coss. & Germ.
 (Melandrium divaricatum (Rchb.) Fenzl) = Melandrium latifolium
Melandrium latifolium (Poir.) Maire
 ?**Melandrium nemorale** (Heuff. ex Rchb.) A. Braun
 Note: May be expected in W Ukraine.
 (Melandrium noctiflorum (L.) Fr.) = Elisanthe noctiflora
 (Melandrium rubrum Garcke, nom. illeg.) = Melandrium dioicum
 (Melandrium sylvestre (Schkuhr) Röhl.) = Melandrium dioicum
 (Melandrium viscosum (L.) Čelak.) = Elisanthe viscosa
 (Melandrium zawadskii (Herbich) A. Braun) = Elisanthe zawadskii

Minuartia aucta Klokov ~ Minuartia setacea aggr.

Minuartia adenotricha Schischk.

Minuartia aucta Klokov ~ Minuartia setacea aggr.

Minuartia bilykiana Klokov

Conservation status: IUCN RL (I); ERL (V).

Minuartia birjuczensis Klokov ~ Minuartia hybrida aggr.

Minuartia eglandulosa (Fenzl) Klokov

Minuartia euxina Klokov ~ Minuartia setacea aggr.

Minuartia glomerata (M. Bieb.) Degen

[Minuartia hamata (Hauskn.) Mattf.] = Queria hispanica

Note: In Minuartia, the epithet "hispanica" cannot be used for this species because of the earlier homonym M. hispanica L. ex Graebn.

Minuartia hirsuta (M. Bieb.) Hand.-Mazz.

{Minuartia hybrida auct. non (Vill.) Schischk.} = Minuartia birjuczensis, Minuartia hypanica & Minuartia pseudohybrida

Minuartia hypanica Klokov ~ Minuartia hybrida aggr.

Minuartia leiosperma Klokov ~ Minuartia setacea aggr.

{Minuartia montana auct. non L.} = Minuartia wiesneri

[Minuartia montana L. subsp. wiesneri (Stapf) McNeill] = Minuartia wiesneri

Minuartia oxypetala (Wol.) Kulcz. ~ Minuartia verna aggr.

Minuartia piskunovii Klokov ~ Minuartia viscosa aggr.

Minuartia pseudohybrida Klokov ~ Minuartia hybrida aggr.

{Minuartia setacea auct. non (Thuill.) Hayek} = Minuartia aucta, Minuartia euxina, Minuartia leiosperma & Minuartia thyaica

Minuartia taurica (Steven) Graebn.

Conservation status: IUCN RL (R).

Minuartia thyaica Klokov ~ Minuartia setacea aggr.

{Minuartia verna auct. non (L.) Hiern} = Minuartia oxypetala & Minuartia zareznyi

Minuartia viscosa (Schreb.) Schinz & Thell.

{Minuartia viscosa auct. non (Schreb.) Schinz & Thell.} = Minuartia piskunovii

Minuartia wiesneri (Stapf) Schischk.

Minuartia zareznyi (Zapał.) Klokov ~ Minuartia verna aggr.

(*Moehringia bracteata* Slendz.) = *Moehringia trinervia*

Moehringia hypanica Grynj & Klokov

Conservation status: RDBU (I); IUCN RL (I).

Moehringia lateriflora (L.) Fenzl

Moehringia muscosa L.

Moehringia trinervia (L.) Clairv.

Myosoton aquaticum (L.) Moench

(*Myosoton aquaticum* (L.) Moench subsp. *sarmaticum* Zapal.) = *Myosoton aquaticum*

(*Myosoton sarmaticum* (Zapal.) Săvul. & Rayss.) = *Myosoton aquaticum*

Oberna behen (L.) Ikonn.

Note: See recent revision of *Oberna* in Ukraine (M. Fedoronchuk, 1997, Ukr. Bot. Zhurn. 54(1): 70-76).

Oberna commutata (Guss.) Ikonn.

Oberna crispata (Steven) Ikonn.

Oberna cserei (Baumg.) Ikonn.

Oberna procumbens (Murray) Ikonn.

Otites artemisetorum Klokov ~ *Otites exaltatus* aggr.

Conservation status: ERL (R).

Otites borysthenicus (Grun.) Klokov

Otites chersonensis (Zapal.) Klokov ~ *Otites exaltatus* aggr.

Otites densiflorus (D'Urv.) Grossh.

Otites dolichocarpus Klokov ~ *Otites densiflorus*

Conservation status: ERL (R).

Otites donetzicus (Klokov) Klokov

Otites eugeniae (Kleopow) Klokov

{*Otites exaltatus* auct. non (Friv.) Holub} = *Otites artemisetorum* & *Otites chersonensis*

(*Otites graniticulus* Klokov) = *Otites hellmannii*

Otites hellmannii (Claus) Klokov

Conservation status: ERL (V).

Otites krymensis (Kleopow) Klokov

Otites maeoticus Klokov

Otites medius (Litv.) Klokov

Otites moldavicus Klokov ~ *Otites exaltatus* aggr.

Otites orae-syvaschicae Klokov ~ *Otites wolgensis*

{*Otites pseudotites* auct. non (Besser ex Rchb.) Klokov} = *Otites eugeniae*

(*Otites parviflora* (Ehrh.) Grossh.) = *Otites borysthenea*

Otites wolgensis (Hornem.) Grossh.

Note: According to G. Laz'kov (1998, Bot. Zhurn. 83(5): 89-95), the priority name for this species in *Silene sensu lato* is *S. sibirica* (L.) Pers.

Paronychia cephalotes (M.Bieb.) Besser

(*Paronychia cephalotes* (M.Bieb.) Besser subsp. *pontica* Borhidi) = *Paronychia cephalotes*

(*Paronychia pontica* (Borhidi) Chaudhri) = *Paronychia cephalotes* s.l.

(*Paronychia taurica* Borhidi & Sikura) = *Paronychia cephalotes* s.l.

*!*Petrorhagia saxifraga* (L.) Link

[*Petrorhagia prolifera* (L.) P.W.Ball & Heywood] = *Kohlruschia prolifera*

{*Pleconax conica* auct. non (L.) Šourková} = *Pleconax subconica*

Pleconax subconica (Friv.) Šourková

Psammophiliella muralis (L.) Ikonn.

Psammophiliella stepposa (Klokov) Ikonn. ~ *Psammophiliella muralis* s.l.

Queria hispanica L.

Sagina apetala Ard.

(*Sagina ciliata* Fr.) = *Sagina apetala*

Sagina nodosa (L.) Fenzl

Sagina procumbens L.

Sagina saginoides (L.) H.Karst.

Sagina subulata (Sw.) C.Presl

Saponaria glutinosa M.Bieb.

Saponaria officinalis L.

Scleranthus annuus L.

Scleranthus perennis L.

{*Scleranthus polycarpus* auct. non L.} = *Scleranthus syvaschicus* & *Scleranthus tauricus*

Scleranthus syvaschicus Kleopow

Scleranthus tauricus Knaf

Scleranthus uncinatus Schur

{*Scleranthus verticillatus* auct. non Tausch} = *Scleranthus syvaschicus*

(*Silene alba* (Mill.) E.Krause, nom. illeg.) = *Melandrium album*

{*Silene alpestris* auct. non Jacq.} = *Ixoca arcana*

(*Silene anglica* L.) = *Silene gallica*

Silene armeria L.

Note: See recent revision of *Silene* s.str. in Ukraine (M. Fedoronchuk, 1997, Ukr. Bot. Zhurn. 54(6): 557-564).

[*Silene artemisetorum* (Klokov) Czerep.] = *Otites artemisetorum*

(*Silene berdaui* Zapal.) = *Silene armeria*

[*Silene borysthena* (Grun.) Walters] = *Otites borysthena*

Silene bupleuroides L.

(*Silene carpatica* (Zapal.) Czopik) = *Oberna behen*

[*Silene chersonensis* (Zapal.) Kleopow] = *Otites chersonensis*

(*Silene chersonensis* (Zapal.) Kleopow subsp. *littoralis* Kleopow) = *Otites artemisetorum*

Silene chlorantha (Willd.) Ehrh.

[*Silene commutata* Guss.] = *Oberna commutata*

{*Silene compacta* auct. non Fisch. ex Hornem.} = *Silene hypanica*

{*Silene conica* auct. non L.} = *Pleconax subconica*

[*Silene conica* L. subsp. *subconica* (Friv.) Gavioli] = *Pleconax subconica*

(*Silene coringii* Andr.) = *Oberna cserei*

Silene cretacea Fisch. ex Spreng.

Conservation status: RDBU (1); IUCN RL (I); ERL (V).

[*Silene crispata* Steven] = *Oberna crispata*

[*Silene cserei* Baumg.] = *Oberna cserei*

{*Silene cserei* auct. non Baumg.} = *Oberna crispata*

[*Silene densiflora* D'Urv.] = *Otites densiflorus*

Silene dichotoma Ehrh.

[*Silene dioica* (L.) Clairv.] = *Melandrium dioicum*

[*Silene dolichocarpa* (Klokov) Czerep.] = *Otites dolichocarpus*

[*Silene donetzica* Kleopow] = *Otites donetzicus*

Silene dubia Herbich

Conservation status: ERL (I).

[*Silene eugeniae* Kleopow] = *Otites eugeniae*

{*Silene exaltata* auct. non Friv.} = *Otites artemisetorum* & *Otites chersonensis*

{*Silene fabaria* auct. non Sibth. & Smith} = *Oberna crispata* & *Oberna cserei*

[*Silene flos-cuculi* (L.) Clairv.] = *Coccyganthe flos-cuculi*

Silene gallica L.

[*Silene hellmannii* Claus] = *Otites hellmannii*

[*Silene heuffelii* Soó] = *Melandrium nemorale*

Silene hypanica Klokov

Conservation status: RDBU (2); ERL (R).

Silene italica (L.) Pers.

Silene jailensis N.I. Rubtzov

Conservation status: RDBU (1); IUCN RL (R); ERL (V).

Silene jundzillii Zapal. ~ *Silene nemoralis*

[*Silene krymensis* Kleopow] = *Otites krymensis*

[*Silene latifolia* Poir.] = *Melandrium latifolium*

(*Silene latifolia* Poir. subsp. *alba* (Mill.) Greuter & Burdet) = *Melandrium album*

(*Silene latifolia* (Mill.) Britt. & Rendle, nom. illeg.) = *Oberna behen*

Silene lithuanica Zapal. ~ *Silene armeria*

Conservation status: ERL (I).

[*Silene maeotica* (Klokov) Czerep.] = *Otites maeoticus*

(*Silene mariae* Klokov) = *Silene bupleuroides*

[*Silene media* (Litv.) Kleopow] = *Otites medius*

(*Silene montifuga* Klokov) = *Silene bupleuroides*

Silene multiflora (Waldst. & Kit.) Pers.

[*Silene moldavica* (Klokov) Šourková] = *Otites moldavicus*

Silene nemoralis Waldst. & Kit.

[*Silene noctiflora* L.] = *Elisanthe noctiflora*

Silene nutans L.

(*Silene nutans* L. subsp. *dubia* (Herbich) Zapal.) = *Silene dubia*

{*Silene otites* auct. non L.} = *Otites* sp. sp.

Note: The name was misapplied to several Ukrainian species of *Otites*.

(*Silene odessana* Klokov) = *Silene bupleuroides*

[*Silene orae-syvaschicae* (Klokov) Czerep.] = *Otites orae-syvaschicae*

***!Silene pendula L.**

[*Silene procumbens* Murray] = *Oberna procumbens*

{*Silene pseudootites* auct. non Besser ex Rchb.} = *Otites eugeniae*

{*Silene pusilla* auct. non Waldst. & Kit.} = *Ixoca carpatica*

(*Silene saponarifolia* Schott & Ledeb.) = *Oberna cserei*

Silene sibirica (L.) Pers.

Note: According to Laz'kov (1998, Bot. Zhurn. 83(5): 89-95), the correct name for the species commonly known as «*S.sibirica*» is *S. holopetala* Ledeb. (see note under *Otites wolgensis*).

(*Silene steppicola* Kleopow) = *Silene multiflora*

(*Silene steppicola* Kleopow subsp. *glabra* Kleopow) = *Silene multiflora*

(*Silene steppicola* Kleopow subsp. *pubescens* Kleopow) = *Silene multiflora*

[*Silene subconica* Friv.] = *Pleconax subconica*

Silene supina M.Bieb.

Silene syreitschikovii P.Smirn.

Conservation status: RDBU (2).

Silene sytnikii Krytzka, Novosad & Protopopova ~ *Silene chlorantha*

Silene syvaschica Kleopow ~ *Silene multiflora* s.l.

Silene tatarica (L.) Pers.

(*Silene ucrainica* Klokov) = *Silene bupleuroides*

Silene viridiflora L.

Conservation status: RDBU (3).

[*Silene viscaria* (L.) Borkh.] = *Steris viscaria*

(*Silene viscosa* (L.) Pers.) = *Elisanthe viscosa*

[*Silene vulgaris* (Moench) Garcke] = *Oberna behen*

[*Silene wolgensis* (Hornem.) Besser ex Spreng.] = *Otites wolgensis**

[*Silene zawadskii* Herbich] = *Elisanthe zawadskii*

Spergula arvensis L.

(*Spergula arvensis* L. subsp. *linicola* (Boreau) Janch.) = *Spergula linicola*

(*Spergula arvensis* L. subsp. *maxima* (Weihe) O.Schwarz) = *Spergula maxima*

Spergula linicola Boreau ~ *Spergula arvensis* aggr.

(*Spergula marina* (L.) Bartl. & Wendl.) = *Spergularia salina*

Spergula maxima Weihe ~ *Spergula arvensis* aggr.

Spergula morisonii Boreau

(*Spergula nodosa* L.) = *Sagina nodosa*

Spergula pentandra L.

(*Spergula pentandra* (Wallr.) Rchb., non L.) = *Spergula morisonii*

(*Spergula rubra* (L.) D.Dietr.) = *Spergularia rubra*

(*Spergula saginoides* L.) = *Sagina saginoides*
(*Spergula sativa* Boenn.) = *Spergula arvensis*
(*Spergula subulata* Sw.) = *Sagina subulata*
(*Spergula vernalis* Willd., nom. illeg.) = *Spergula pentandra*
{*Spergula vernalis* auct. non Willd.} = *Spergula morisonii*
(*Spergula vulgaris* Boenn.) = *Spergula arvensis*

(*Spergularia campestris* (L.) Asch.) = *Spergularia rubra*
(*Spergularia marina* All.) = *Spergularia salina*
(*Spergularia maritima* (All.) Chiov.) = *Spergularia media*
Spergularia media (L.) C.Presl
Spergularia rubra (L.) J.Presl & C.Presl
Spergularia salina J.Presl & C.Presl

Stellaria alsine Grimm.

[*Stellaria aquatica* (L.) Scop.] = *Myosoton aquaticum*

Stellaria barthiana Schur ~ *Stellaria palustris*

Stellaria crassifolia Ehrh.

(*Stellaria diffusa* Willd. ex Schlecht.) = *Stellaria longifolia*

Stellaria fragilis Klokov ~ *Stellaria graminea* aggr.

Stellaria graminea L.

Stellaria hebecalyx Fenzl ~ *Stellaria graminea* aggr.

Stellaria hippoctona (Czern.) Klokov ~ *Stellaria graminea* aggr.

Stellaria holostea L.

Stellaria longifolia Muehl. ex Willd.

Stellaria media (L.) Vill.

(*Stellaria media* (L.) Vill. subsp. *neglecta* (Weihe) Murb.) = *Stellaria neglecta*

(*Stellaria media* (L.) Vill. subsp. *pallida* (Dumort.) Asch. & Graebn.) = *Stellaria pallida*

(*Stellaria mosquensis* M.Bieb. ex Schlecht.) = *Stellaria longifolia*

Stellaria neglecta Weihe ~ *Stellaria media* aggr.

Stellaria nemorum L.

Stellaria pallida (Dumort.) Crép. ~ *Stellaria media* aggr.

(*Stellaria pallida* (Dumort.) Piré, comb. inval.) = *Stellaria pallida*

Stellaria palustris Retz.

(*Stellaria uliginosa* Murray) = *Stellaria alsine*

(*Stellaria viscida* M.Bieb.) = *Dichodon viscidum*

(*Stellaria xanthanthera* Pobed.) = *Stellaria media*

Steris viscaria (L.) Raf.

(*Tunica saxifraga* (L.) Scop.) = *Petrorhagia saxifraga*

(*Vaccaria grandiflora* (Fisch. ex Ser.) Jaub. & Spach) = *Vaccaria hispanica* subsp. *grandiflora*

Vaccaria hispanica (Mill.) Rauschert

Vaccaria hispanica (Mill.) Rauschert subsp. **grandiflora** (Fisch. ex Ser.) Holub

Note: In Ukraine this species is represented mostly (or exclusively ?) by subsp. **grandiflora**.

(*Vaccaria pyramidata* Medik.) = *Vaccaria hispanica*

(*Vaccaria segetalis* Garcke, nom. illeg.) = *Vaccaria hispanica*

(*Velezia glutinosa* M.Bieb.) = *Velezia rigida*

Velezia rigida L.

(*Viscaria viscosa* (L.) Achers.) = *Steris viscaria*

(*Viscaria vulgaris* Bernh.) = *Steris viscaria*

FAMILY Celastraceae

***Celastrus scandens** L.

Note: In addition to the North American *C. scandens*, three East Asian species are occasionally cultivated in botanical gardens.

***Euonymus alata** (Thunb.) Siebold

Euonymus czernjaëvii Klokov ~ *Euonymus europaea*

Euonymus europaea L.

(*Euonymus floribunda* Steven) = *Euonymus europaea*

***Euonymus fortunei** (Turcz.) Hand.-Mazz.

*!**Euonymus japonica** Thunb.

Euonymus latifolia (L.) Mill.

(*Euonymus medirossica* Klokov) = *Euonymus europaea*

(*Euonymus moldavica* Klokov) = *Euonymus czernjaëvii*

Euonymus nana M.Bieb.

Conservation status: RDBU (1).

(*Euonymus odessana* Klokov) = *Euonymus czernjaëvii*

(*Euonymus pubescens* Steven, nom. provis.) = *Euonymus czernjaëvii*

*!**Euonymus sacrosancta** Koidz.

Euonymus suberosa Klokov ~ *Euonymus europaea*

(*Euonymus taurica* Kotov) = *Euonymus nana*

Euonymus verrucosa Scop.

FAMILY Ceratophyllaceae

Ceratophyllum demersum L.

[*Ceratophyllum demersum* L. subsp. *pentacanthum* (Haynald) Soó] = *Ceratophyllum pentacanthum*

{*Ceratophyllum demersum* L. subsp. *platyacanthum* auct. non (Cham.) Nyman} = *Ceratophyllum pentacanthum*

{*Ceratophyllum echinatum* auct. non A.Gray} = *Ceratophyllum tanaiticum*

Note: *Ceratophyllum echinatum* A.Gray s.str. is believed to be a North American endemic species, and its identity with *C. tanaiticum* is highly improbable.

{*Ceratophyllum muricatum* auct. non Cham.} = *Ceratophyllum tanaiticum*

Ceratophyllum pentacanthum Haynald ~ *Ceratophyllum demersum* s.l.

Note: Probably conspecific with *C. platyacanthum* Cham.?

{*Ceratophyllum platyacanthum* auct. non Cham.} = *Ceratophyllum pentacanthum*

Ceratophyllum submersum L.

{*Ceratophyllum submersum* L. subsp. *muricatum* auct. non (Cham.) Wilmot-Dear} = *Ceratophyllum tanaiticum*

Note: See note under *C. echinatum* and discussion by M. Wilmot-Dear (1985, Kew Bull. 40: 266-269).

Ceratophyllum tanaiticum Sapjog. ~ *Ceratophyllum submersum* s.l.

Conservation status: ERL (R).

FAMILY **Chenopodiaceae**

Note: Including Salsolaceae and Salicorniaceae.

(*Agathophytum bonus-henricus* (L.) Moq.) = *Chenopodium bonus-henricus*

(*Ambrina ambrosioides* (L.) Spach) = *Chenopodium ambrosioides*

(*Atriplex acuminata* Waldst. & Kit.) = *Atriplex sagittata*

(*Atriplex albicans* Besser) = *Atriplex rosea*

(*Atriplex amblyostegia* Turcz.) = *Atriplex aucheri*

(*Atriplex angustifolia* Smith) = *Atriplex patula*

Atriplex aucheri Moq.

(*Atriplex besseriana* Schult.) = *Atriplex rosea*

{*Atriplex calotheca* auct. non (Rafn) Fr.} = *Atriplex prostrata* s.l.

Note: Recent literature records of this species from Ukraine were based on misunderstanding of nomenclature and synonymy of *A. hastata*.

Atriplex cana C.A.Mey.

(*Atriplex erecta* Huds.) = *Atriplex patula*

{*Atriplex hastata* auct. non L., nom utique rej. prop.} = *Atriplex prostrata* & *Atriplex latifolia*

(*Atriplex heterosperma* Bunge) = *Atriplex micrantha*

Atriplex hortensis L.

(*Atriplex laciniata* L.) = *Atriplex tatarica*

Atriplex laevis C.A.Mey.

Atriplex latifolia Wahlenb. ~ *Atriplex prostrata*

Atriplex littoralis L.

Atriplex micrantha C.A.Mey.

(*Atriplex nitens* Schkuhr) = *Atriplex sagittata*

Atriplex oblongifolia Waldst. & Kit.

Atriplex patens (Litv.) Iljin

Atriplex patula L.

[*Atriplex pedunculata* L.] = *Halimione pedunculata*

(*Atriplex polonica* Zapal.) = *Atriplex latifolia*

Atriplex prostrata Boucher ex DC.

[*Atriplex prostrata* Boucher ex DC. subsp. *latifolia* (Wahlenb.) Rauschert] = *Atriplex latifolia*

(*Atriplex prostrata* Boucher ex DC. subsp. *polonica* (Zapal.) Uootila) = *Atriplex latifolia*

Atriplex rosea L.

(*Atriplex ruderalis* Wallr.) = *Atriplex latifolia*

Atriplex sagittata Borkh.

Atriplex sphaeromorpha Iljin

Atriplex tatarica L.

[*Atriplex verrucifera* M.Bieb.] = *Halimione verrucifera*

Bassia hirsuta (L.) Asch.

Bassia hyssopifolia (Pall.) O.Kuntze

[*Bassia laniflora* (S.G.Gmel.) A.J.Scott] = *Kochia laniflora*

[*Bassia prostrata* (L.) A.J.Scott] = *Kochia prostrata*

Bassia sedoides (Pall.) Asch.

[*Bassia scoparia* (L.) Voss] = *Kochia scoparia*

[*Bassia scoparia* (L.) Voss subsp. *densiflora* (Turcz. ex Moq.) Ciruja & Velayos] = *Kochia scoparia* subsp. *densiflora*

Beta hybrida Andr. ~ *Beta trigyna*

Beta maritima L.

Beta trigyna Waldst. & Kit.

***Beta vulgaris** L.

[*Beta vulgaris* L. subsp. *maritima* (L.) Arcang.] = *Beta maritima*

(*Blitum bonus-henricus* (L.) C.A.Mey.) = *Chenopodium bonus-henricus*

(*Blitum capitatum* L.) = *Chenopodium capitatum*

(*Blitum chenopodioides* L.) = *Chenopodium chenopodioides*

(*Blitum polymorphum* C.A.Mey.) = *Chenopodium chenopodioides* *

{*Blitum polymorphum* C.A.Mey., p.p.} = *Chenopodium rubrum*

(*Blitum virgatum* L.) = *Chenopodium foliosum*

Camphorosma annua Pall.

Camphorosma monspeliaca L.

(*Camphorosma ovata* Waldst. & Kit.) = *Camphorosma annua*

Camphorosma songorica Bunge

Caroxylon laricinum (Pall.) Tzvelev

Ceratocarpus arenarius L.

(*Ceratoides latens* (J.F.Gmel.) Reveal & N.Holmgren) = *Krascheninnikovia ceratoides*

(*Ceratoides papposa* Botsch. & Ikonn.) = *Krascheninnikovia ceratoides*

Chenopodium acerifolium Andrz.

(*Chenopodium acutifolium* Smith) = *Chenopodium polyspermum*

Chenopodium album L.

(*Chenopodium album* L. subsp. *iranicum* Aellen) = *Chenopodium zerovii*

(*Chenopodium album* L. subsp. *novopokrovskyanum* Aellen) = *Chenopodium*

novopokrovskyanum

(*Chenopodium album* L. subsp. *reticulatum* (Aellen) Beaugé ex Greuter & Burdet) =

Chenopodium reticulatum

(*Chenopodium album* L. subsp. *striatum* (Krašán) J.Murr) = *Chenopodium strictum*

Chenopodium ambrosioides L.

Chenopodium aristatum L.

(*Chenopodium betaceum* Andrz.) = *Chenopodium strictum*

Chenopodium berlandieri Moq. subsp. *zschackei* (J.Murr) Zobel

Note: A rare alien species (grain immigrant); not naturalized.

Chenopodium bonus-henricus L.

(*Chenopodium botryodes* Smith) = *Chenopodium chenopodioides*

Chenopodium botrys L.

Chenopodium capitatum (L.) Ambrosi

{*Chenopodium carinatum* auct. non R.Br.} = *Chenopodium pumilio*

Chenopodium chenopodioides (L.) Aellen

(*Chenopodium crassifolium* Hornem.) = *Chenopodium chenopodioides*

(*Chenopodium deltoideum* Lam.) = *Chenopodium urbicum*

{*Chenopodium dessicatum* auct. non A.Nelson} = *Chenopodium pratericola*

(*Chenopodium divaricatum* Andrz.) = *Chenopodium ficifolium*

Chenopodium diversifolium (Aellen) Dvořák ~ *Chenopodium album* aggr.

Chenopodium* × *dvorakianum Mosyakin ~ *Chenopodium album* aggr.

Chenopodium ficifolium Smith

(*Chenopodium foetidum* Lam.) = *Chenopodium vulvaria*

(*Chenopodium foetidum* Schrad.) = *Chenopodium schraderianum*

Chenopodium foliosum Asch.

Chenopodium* × *fursajevii Aellen = *Chenopodium album* × *Chenopodium succicum*

Chenopodium glaucum L.

Chenopodium glaucophyllum Aellen ~ *Chenopodium strictum*

Note: A rare grain immigrant known from one collection (Kiev).

Chenopodium* × *gruellii Aellen = *Chenopodium ficifolium* × *Chenopodium succicum*

Chenopodium hircinum Schrad.

Note: Occurrence of this species in Transcarpathia (Fodor, 1974) needs confirmation.

Chenopodium* × *humuliforme (J.Murr) Dvořák = *Chenopodium album* × *Chenopodium*

ficifolium × *Chenopodium strictum*

Chenopodium hybridum L.

(*Chenopodium intermedium* Mert. & W.D.J.Koch) = *Chenopodium urbicum* var. *intermedium*

Chenopodium* × *jedlickae Dvořák = *Chenopodium album* × *Chenopodium ficifolium*

(*Chenopodium klinggraeffii* (Abrom.) Aellen) = *Chenopodium acerifolium*

- (*Chenopodium laciniatum* J.Murr, non Thunb. nec Roxb.) = *Chenopodium* × *dvorakianum*
 (*Chenopodium lanceolatum* Muehl. ex Willd.) = *Chenopodium album* aggr.
 (*Chenopodium leiospermum* DC.) = *Chenopodium album*
***Chenopodium missouriense* Aellen**
 Note: A rare alien species known from Kiev region.
***Chenopodium* × *morariui* (Prodán) Mosyakin** = *Chenopodium acerifolium* ×
Chenopodium album
***Chenopodium murale* L.**
***Chenopodium novopokrovskyanum* (Aellen) Uotila** ~ *Chenopodium strictum* aggr.
 Note: See P. Uotila (1993, *Arnales Bot. Fennici* 30(3): 189-194).
 (*Chenopodium olidum* Curtis) = *Chenopodium vulvaria*
***Chenopodium opulifolium* Schrad. ex DC.**
***Chenopodium pedunculare* Bertol.** ~ *Chenopodium album* aggr.
 ?***Chenopodium* × *perhybridum* Ponert** = *Chenopodium hybridum* × *Chenopodium*
polyspermum
***Chenopodium polyspermum* L.**
***Chenopodium* × *praeacutum* J.Murr** = *Chenopodium album* × *Chenopodium*
pedunculare
***Chenopodium pratericola* Rydb.**
 Note: A rare casual alien collected in Kiev.
***Chenopodium* × *preissmannii* J.Murr** = *Chenopodium album* × *Chenopodium opulifolium*
***Chenopodium probstii* Aellen** ~ *Chenopodium album* aggr.
 Note: A rare casual alien (grain immigrant), reported from Kiev and SE Ukraine.
***Chenopodium* × *pseudostriatum* (Zschacke) J.Murr** = *Chenopodium album* ×
Chenopodium strictum
***Chenopodium pumilio* R.Br.**
 Note: A rare alien plant known from SW Ukraine (see D. Dubyna & V. Protopopova,
 1983, *Ukr. Bot. Zhurn.* 37(5): 20-26).
 ****Chenopodium quinoa* Willd.**
***Chenopodium reticulatum* Aellen** ~ *Chenopodium album* aggr.
 Note: Collected only once in Kiev; now disappeared.
***Chenopodium rubrum* L.**
***Chenopodium schraderianum* Schult.**
***Chenopodium* × *schulzeanum* J.Murr** = *Chenopodium glaucum* × *Chenopodium rubrum*
 (*Chenopodium scoparia* L.) = *Kochia scoparia*
 {*Chenopodium serotinum* auct. non L.} = *Chenopodium ficifolium*
***Chenopodium* × *smardae* Dvořák** = *Chenopodium album* × *Chenopodium ficifolium* ×
Chenopodium suecicum
 (*Chenopodium striatum* (Krašán) J.Murr) = *Chenopodium strictum*
***Chenopodium strictum* Roth**
 [*Chenopodium strictum* Roth subsp. *glaucophyllum* (Aellen) Aellen] = *Chenopodium*
glaucophyllum
 (*Chenopodium strictum* Roth subsp. *striatum* (Krašán) Aellen & Iljin) = *Chenopodium*
strictum
***Chenopodium* × *striatiale* Dvořák** = *Chenopodium album* × *Chenopodium*
striatiforme

Chenopodium striatiforme J.Murr ~ *Chenopodium strictum* aggr.

Chenopodium × **striatisuecicum** Dvořák = *Chenopodium striatiforme* × *Chenopodium suecicum*

Chenopodium suecicum J.Murr

Chenopodium × **thellungii** J.Murr = *Chenopodium opulifolium* × *Chenopodium suecicum*

Chenopodium urbicum L.

Chenopodium urbicum L. var. **intermedium** (Mert. & W.D.J.Koch) W.D.J.Koch

{*Chenopodium viride* auct. non L.} = *Chenopodium suecicum*

(*Chenopodium virgatum* (L.) Ambrosi, nom. illeg.) = *Chenopodium foliosum*

Chenopodium vulvaria L.

(*Chenopodium wolffii* Simonk.) = *Chenopodium glaucum*

Chenopodium zerovii Iljin

Note: Probably this species has originated as a complex hybrid involving *C. opulifolium*, *C. striatiforme*, and *C. album* (see S. Mosyakin & O. Martynyuk, 1993, Ukr. Bot. Zhurn. 50(2): 130-133).

(*Chenopodium zschackei* J.Murr) = *Chenopodium berlandieri* subsp. *zschackei*

Climacoptera brachiata (Pall.) Botsch.

Climacoptera crassa (M.Bieb.) Botsch.

(*Corispermum borysthenticum* Andrz.) = *Corispermum marschallii*

(*Corispermum bjelorusasicum* Klokov & A.Krasnova) = *Corispermum pallasii*

(*Corispermum calvum* Klokov) = *Corispermum nitidum*

Note: Listed in ERL (R).

(*Corispermum calvo-borysthenticum* Klokov, nom. illeg.) = *Corispermum* × *klokovii*

Corispermum canescens Kit. ex Schult.

Corispermum × **czernjačevii** Klokov = *Corispermum hyssopifolium* × *Corispermum marschallii*

Corispermum declinatum Stephan ex Iljin

Note: A rare alien species collected in Kiev region (see M. Bortnyak & S. Mosyakin, 1989, Ukr. Bot. Zhurn. 46(2): 66-67).

?**Corispermum elongatum** Bunge ex Maxim.

(*Corispermum glabratum* Klokov) = *Corispermum hyssopifolium*

(*Corispermum hybridum* Besser ex Andrz.) = *Corispermum hyssopifolium*

{*Corispermum hybridum* sensu Tzvelev, non Besser ex Andrz.} = *Corispermum pallasii*

Corispermum hyssopifolium L.

Note: An uncommon species in Ukraine. The name *C. hyssopifolium* was misapplied to almost all species of the genus.

(*Corispermum insulare* Klokov) = *Corispermum hyssopifolium*

Note: Listed in ERL (R).

Corispermum × **klokovii** Mosyakin = *Corispermum marschallii* × *Corispermum nitidum*

(*Corispermum leptorterum* (Asch.) Iljin) = *Corispermum pallasii*

Corispermum marschallii Steven

(*Corispermum membranaceum* Iljin) = *Corispermum pallasii*

Corispermum × modestii Mosyakin = *Corispermum pallasii* × *Corispermum marschallii*
[*Corispermum nitidulum* Klokov] = *Corispermum nitidum* subsp. *microspermum*

Corispermum nitidum Kit.

Corispermum nitidum Kit. subsp. *microspermum* (Host) Mosyakin

Corispermum orientale Lam.

Corispermum pallasii Steven

Note: An alien species known from several northern and northwestern regions of Ukraine.

Corispermum redowskii Fiech. ex Fenzl

Note: A rare alien species collected in Kiev region (see M. Bortnyak & S. Mosyakin, 1989, Ukr. Bot. Zhurn. 46(2): 66-67.

(*Corispermum stenopterum* Klokov) = *Corispermum canescens* & *Corispermum marschallii*

Corispermum × ucrainicum Iljin = *Corispermum canescens* × *Corispermum nitidum*

(*Echinopsilon hirsutum* (L.) Moq.) = *Bassia hirsuta*

(*Echinopsilon hyssopifolium* (Pall.) Moq.) = *Bassia hyssopifolia*

(*Echinopsilon sedoides* (Pall.) Moq.) = *Bassia sedoides*

(*Eurotia ceratoides* (L.) C.A.Mey.) = *Krascheninnikovia ceratoides*

Halimione pedunculata (L.) Aellen

Halimione verrucifera (M.Bieb.) Aellen

Halocnemum strobilaceum (Pall.) M.Bieb.

(*Kochia arenaria* (Maerkl.) Schrad.) = *Kochia laniflora*

(*Kochia densiflora* Turcz. ex Moq.) = *Kochia scoparia* subsp. *densiflora*

Kochia laniflora (S.G.Gmel.) Borbás

Kochia prostrata (L.) Schrad.

Kochia scoparia (L.) Schrad.

Kochia scoparia (L.) Schrad subsp. *densiflora* (Turcz. ex Moq.) Aellen

(*Kochia sieversiana* (Pall.) C.A.Mey. s.str.) = *Kochia scoparia* s.str.

{*Kochia sieversiana* auct. non (Pall.) C.A.Mey.} = *Kochia scoparia* subsp. *densiflora*

Krascheninnikovia ceratoides (L.) Gueldenst.

Krascheninnikovia lenensis (Kumin.) Tzvelev ~ *Krascheninnikovia ceratoides*

Note: The identity of Crimean and Siberian plants (see N. Tsvelev, 1993, Ukr. Bot.

Zhurn. 50(1): 78-85) is improbable. The plants reported from Crimea as

K. lenensis are most probably narrow-leaved forms of *K. ceratoides*.

(*Neobotrydium botrys* (L.) Moldenke) = *Chenopodium botrys*

Ofaiston monandrum (Pall.) Moq.

Petrosimonia brachiata (Pall.) Bunge

(*Petrosimonia crassifolia* (Pall.) Bunge) = *Petrosimonia oppositifolia*

Petrosimonia oppositifolia (Pall.) Litv.

Petrosimonia triandra (Pall.) Simonk.

Polycnemum arvense L.

Polycnemum heuffelii Lang

Polycnemum majus A. Braun

(*Polycnemum minus* Kit.) = *Polycnemum arvense*

Polycnemum verrucosum Lang

Note: According to some authors, the genus *Polycnemum* belongs to *Amaranthaceae*.

Salicornia borysthenica Tzvelev ~ *Salicornia prostrata*

Note: See N. Tsvelev (1993, *Ukr. Bot. Zhurn.* 50(1): 78-85).

{*Salicornia europaea* auct. non L.} = *Salicornia prostrata*

{*Salicornia herbacea* auct. non (L.) L.} = *Salicornia prostrata*

{*Salicornia perennans* auct. non Willd.} = *Salicornia prostrata*

Salicornia prostrata Pall.

(*Salsola arenaria* Maerkl.) = *Kochia laniflora*

(*Salsola australis* R.Br., p.p.) = *Salsola tragus*

[*Salsola brachiata* Pall.] = *Climacoptera brachiata*

Salsola collina Pall.

[*Salsola crassa* M.Bieb.] = *Climacoptera crassa*

(*Salsola iberica* (Sennen & Pau) Botsch.) = *Salsola tragus*

Salsola kali L. subsp. **pontica** (Pall.) Mosyakin

Note: See N. Tsvelev (1993, *Ukr. Bot. Zhurn.* 50(1): 78-85) and S. Mosyakin (1996, *Ann. Missouri Bot. Gard.* 83(3): 387-395).

(*Salsola kali* L. subsp. *ruthenica* Soó) = *Salsola tragus*

(*Salsola kali* L. subsp. *tragus* (L.) Čelak.) = *Salsola tragus*

{*Salsola kali* L. subsp. *tragus* auct. non (L.) Čelak.} = *Salsola kali* subsp. *pontica*

(*Salsola laniflora* S.G.Gmel.) = *Kochia laniflora*

[*Salsola laricina* Pall.] = *Caroxylon laricinum*

Salsola mutica C.A.Mey.

(*Salsola pestifer* A.Nelson) = *Salsola tragus*

[*Salsola pontica* (Pall.) Degen] = *Salsola kali* subsp. *pontica*

(*Salsola prostrata* L.) = *Kochia prostrata*

(*Salsola ruthenica* Iljin, nom. illeg.) = *Salsola tragus*

Salsola soda L.

Salsola tamariscina Pall.

Salsola tragus L. s.str.

Note: See discussion on nomenclature in N. Tsvelev (1993, *Ukr. Bot. Zhurn.* 50(1): 78-85) and S. Mosyakin (1996, *Ann. Missouri Bot. Gard.* 83(3): 387-395).

{*Salsola tragus* auct. non L.} = *Salsola kali* subsp. *pontica*

***Spinacia oleracea** L.

Suaeda acuminata (C.A.Mey.) Moq.
Suaeda altissima (L.) Pall.
Suaeda baccifera Pall. ~ *Suaeda acuminata*
Conservation status: ERL (R).
(*Suaeda confusa* Iljin) = *Suaeda acuminata*
Suaeda corniculata (C.A.Mey.) Bunge
Suaeda pannonica G.Beck
Suaeda prostrata Pall.
Suaeda salsa (L.) Pall.

[*Teloxys ambrosioides* (L.) W.A.Weber] = *Chenopodium ambrosioides*
[*Teloxys aristata* (L.) Moq.] = *Chenopodium aristatum*
[*Teloxys botrys* (L.) W.A.Weber] = *Chenopodium botrys*
[*Teloxys pumilio* (R.Br.) W.A.Weber] = *Chenopodium pumilio*
[*Teloxys schraderiana* (Schult.) W.A.Weber] = *Chenopodium schraderianum*

FAMILY Cistaceae

{*Cistus creticus* auct. non L.} = *Cistus tauricus*
(*Cistus fumana* L.) = *Fumana procumbens*
(*Cistus helianthemum* L.) = *Helianthemum chamaecistus*
{*Cistus incanus* auct. non L.} = *Cistus tauricus*
Cistus tauricus J.Presl & C.Presl

Conservation status: RDBU (3).
{*Cistus thymifolius* auct. non L.} = *Fumanopsis laevis*

{*Fumana arabica* auct. non (L.) Spach} = *Fumana viscidula*
Fumana procumbens (Dun.) Gren. & Godr.
{*Fumana thymifolia* auct. non (L.) Spach ex Webb} = *Fumanopsis laevis*
Fumana viscidula (Steven ex Palib.) Juz.

Fumanopsis laevis (Cav.) Tzvelev
Conservation status: RDBU (2), as *Fumana thymifolia* (sensu auct.).

Helianthemum canum (L.) Hornem.
Conservation status: RDBU (2).

[*Helianthemum canum* (L.) Hornem. subsp. *steverii* (Rupr. ex Juz. & Pozdeeva) Proctor] =
Helianthemum steverii

Helianthemum chamaecystus Mill.

Helianthemum cretaceum (Rupr.) Juz.
Conservation status: RDBU (2).

Helianthemum creticola Klokov & Dobroc. ~ *Helianthemum canum*

Helianthemum cretophilum Klokov & Dobroc. ~ *Helianthemum canum*

Helianthemum georgicum Juz. & Pozdeeva ~ *Helianthemum canum*

Helianthemum glaucescens (Murb.) Tzvelev

Helianthemum grandiflorum (Scop.) DC.

[*Helianthemum grandiflorum* (Scop.) DC. subsp. *glabrum* (W.D.J.Koch) Holub] =
Helianthemum nitidum

[*Helianthemum grandiflorum* (Scop.) DC. subsp. *glaucescens* (Murb.) Holub] =

Helianthemum glaucescens

Helianthemum lasiocarpum Willk.

?***Helianthemum ledifolium*** (L.) Mill.

Note: One uncertain record for Crimea: probably based on a deviate specimen of
H. lasiocarpum.

Helianthemum nitidum Clementi

Helianthemum nummularium (L.) Mill.

(*Helianthemum nummularium* (L.) Mill. subsp. *glabrum* (W.D.J.Koch) Wilczek) =

Helianthemum nitidum

[*Helianthemum nummularium* (L.) Mill. subsp. *grandiflorum* (Scop.) Schintz & Thell.] =

Helianthemum grandiflorum

(*Helianthemum nummularium* (L.) Mill. subsp. *obscurum* (Čelak.) Holub) =

Helianthemum chamaecistus

[*Helianthemum oelandicum* (L.) DC. subsp. *orientale* (Grosser) Proctor] = *Helianthemum*
orientale

[*Helianthemum oelandicum* (L.) DC. subsp. *rupifragum* (A.Kern.) Murb.] =

Helianthemum rupifragum

Helianthemum orientale (Grosser) Juz. & Pozdeeva

(*Helianthemum ovatum* (Viv.) Dunal) = *Helianthemum chamaecistus*

Helianthemum rupifragum A.Kern.

Helianthemum salicifolium (L.) Mill.

Helianthemum stevenii Rupr. ex Juz. & Pozdeeva

(*Helianthemum tauricum* Rupr.) = *Helianthemum lasiocarpum*

(*Helianthemum tauricum* Sweet) = *Helianthemum grandiflorum*

(*Helianthemum viscidulum* Steven ex Palib.) = *Fumana viscidula*

(*Rhodax canus* (L.) Fuss) = *Helianthemum canum*

(*Rhodax orientalis* (Grosser) Holub) = *Helianthemum orientale*

(*Rhodax rupifragus* (A.Kern.) Holub) = *Helianthemum rupifragum*

(*Rhodax stevenii* (Rupr. ex Juz. & Pozdeeva) Holub) = *Helianthemum stevenii*

FAMILY (Cleomaceae) = Capparaceae

FAMILY Clusiaceae

(*Hypericum acutum* Moench, nom. illeg.) = *Hypericum tetrapterum*

(*Hypericum alpestre* (Steven ex Woronow) Gorschk.) = *Hypericum tauricum*

Hypericum alpigenum Kit.

Hypericum apiculatum (N.Robson) Sennikov ~ *Hypericum elongatum*

*!***Hypericum calycinum*** L.

(*Hypericum chrysothyrsum* (Woronow) Grossh.) = *Hypericum lydiium*

Hypericum elegans Stephan ex Willd.

?***Hypericum elongatum*** Ledeb.

Hypericum hirsutum L.

Hypericum humifusum L.

Hypericum hyssopifolium Chaix

{*Hypericum linarioides* auct. non Bosse} = *Hypericum tauricum*

Hypericum lyidium Boiss.

Hypericum maculatum Crantz

Hypericum montanum L.

Hypericum montbretii Spach

Conservation status: ERL (R), as *Hypericum strictum* Maleev.

Hypericum perforatum L.

(*Hypericum ponticum* Lipsky) = *Hypericum lyidium*

(*Hypericum quadrangulum* L., nom. utique rej.) = *Hypericum tetrapterum*

{*Hypericum quadrangulum* auct. non L.} = *Hypericum maculatum*

(*Hypericum strictum* Maleev 1930; non Kunth 1821) = *Hypericum montbretii*

Hypericum tauricum R.Keller

Hypericum tetrapterum Fr.

Note: In addition to native species listed above, ca. 10 shrubby species of *Hypericum* s.l. are occasionally cultivated in botanical gardens and parks.

FAMILY Convolvulaceae

(*Calystegia americana* (Sims) Daniels) = *Calystegia inflata*

Calystegia inflata Sweet ~ *Calystegia sepium*

Calystegia sepium (L.) R.Br.

[*Calystegia sepium* (L.) R.Br. subsp. *americana* (Sims) Brummitt] = *Calystegia inflata*

Calystegia silvatica (Kit.) Griseb.

Calystegia soldanella (L.) R.Br.

(*Calystegia sylvestris* Roem. & Schult., nom. illeg.) = *Calystegia silvatica*

Convolvulus arvensis L.

(*Convolvulus bessereri* Spreng.) = *Convolvulus lineatus*

Convolvulus betonicifolius Mill.

Convolvulus bracteosus Juz. ~ *Convolvulus calvertii*

[*Convolvulus calvertii* Boiss. subsp. *bracteosus* (Juz.) Smoljjan.] = *Convolvulus bracteosus*

[*Convolvulus calvertii* Boiss. subsp. *tauricus* (Bornm.) Smoljjan.] = *Convolvulus tauricus*

Convolvulus cantabrica L.

(*Convolvulus hirsutus* Steven ex M.Bieb.) = *Convolvulus betonicifolius*

Convolvulus holosericeus M.Bieb.

Convolvulus lineatus L.

Convolvulus scammonia L.

(*Convolvulus sepium* L.) = *Calystegia sepium*

Convolvulus sericocephalus Juz.

(*Convolvulus sibthorpii* Roem. & Schult.) = *Convolvulus betonicifolius*

(*Convolvulus soldanella* L.) = *Calystegia soldanella*

Convolvulus tauricus (Bornm.) Juz. ~ *Convolvulus calvertii*

(*Convolvulus tauricus* (Bornm.) Juz. var. *sericocephalus* (Juz.) Wissjul.) = *Convolvulus sericocephalus*

Ipomoea hederacea (L.) Jacq.

Note: A rare alien plant occasionally collected along railroads.

Ipomoea lacunosa L.

Note: A rare alien plant reported from SE Ukraine by V. Tokhtar.

*!**Ipomoea purpurea** (L.) Roth

***Ipomoea tricolor** Cav.

[*Pharbitis purpurea* (L.) Voigt] = *Ipomoea purpurea*

FAMILY Cornaceae

[*Cornus alba* L.] = *Swida alba*

[*Cornus australis* C.A.Mey.] = *Swida australis*

[*Cornus florida* L.] = *Cynoxylon floridum*

[*Cornus hungarica* Karpati] = *Swida hungarica*

Cornus mas L.

(*Cornus purpurea* Tausch) = *Swida alba*

[*Cornus sanguinea* L.] = *Swida sanguinea*

(*Cornus sanguinea* L. subsp. *czerniaëwii* Grosset) = *Swida hungarica*

(*Cornus sanguinea* L. subsp. *hungarica* (Karpati) Soó) = *Swida hungarica*

[*Cornus sericea* L.] = *Swida sericea*

(*Cornus stolonifera* Michx.) = *Swida sericea*

(*Cornus tatarica* Mill.) = *Swida alba*

***Cynoxylon floridum** (L.) Britton & Shafer

***Swida alba** (L.) Opiz

Swida australis (C.A.Mey.) Pojark. ex Grossh.

(*Swida czerniaëwii* (Grosset) Soják) = *Swida hungarica*

Swida hungarica (Karpati) Soják ~ *Swida sanguinea*

Swida sanguinea (L.) Opiz

(*Swida sanguinea* (L.) Opiz subsp. *australis* (C.A.Mey.) Kubat) = *Swida australis*

(*Swida sanguinea* (L.) Opiz subsp. *czerniaëwii* (Grosset) Gubanov & V.N.Tichomirov) =
Swida hungarica

(*Swida sanguinea* (L.) Opiz subsp. *hungarica* (Karpati) Kubat) = *Swida hungarica*

***Swida sericea** (L.) Holub

(*Swida stolonifera* (Michx.) Rydb.) = *Swida sericea*

(*Thelycrania alba* (L.) Pojark.) = *Swida alba*

(*Thelycrania australis* (C.A.Mey.) Sanadze) = *Swida australis*

(*Thelycrania stolonifera* (Michx.) Pojark.) = *Swida sericea*

(*Thelycrania sanguinea* (L.) Fourr.) = *Swida sanguinea*

FAMILY Corylaceae

Carpinus betulus L.
Carpinus orientalis Mill.

Corylus avellana L.
***Corylus colurna L.**
***Corylus maxima Mill.**
***Corylus pontica K.Koch**

Note: Several other exotic species are occasionally cultivated in botanical gardens and arboreta.

***Ostrya carpinifolia Scop.**

FAMILY Crassulaceae

[*Crassula vaillantii* (Willd.) Roth] = *Tillaea vaillantii*

Hylotelephium argutum (Haw.) Holub ~ *Hylotelephium telephium* aggr.

Note: The genus *Hylotelephium* is represented in Ukraine by two species aggregates ("broad" species). Taxonomic value of "narrower" taxa is very problematic.
(*Hylotelephium argutum* (Haw.) Holub subsp. *carpaticum* (G.Reuss.) Dostál) =
Hylotelephium argutum

(*Hylotelephium carpaticum* (G.Reuss.) Soják) = *Hylotelephium argutum*
{*Hylotelephium decumbens* auct. non (Luce) V.Byalt} = *Hylotelephium polonicum*

Note: Nomenclature of this taxon, as well as of many other taxa of *Sedum* s.l., is much confused (see V. Byalt, 1995, Bot. Zhurn. 80(11): 34-36; V. Byalt, 1996, Bot. Zhurn. 81(9): 59-62). The true identity of *Sedum decumbens* is uncertain; see J. Jalas (1999, Ann. Bot. Fennici 36: 9-10).

Hylotelephium maximum (L.) Holub

Hylotelephium polonicum (Błocki) Holub ~ *Hylotelephium maximum* aggr.
(*Hylotelephium ruprechtii* (Jalas) Tzvelev) = *Hylotelephium polonicum*

Hylotelephium stepposum (Boriss.) Tzvelev ~ *Hylotelephium maximum* aggr.

(*Hylotelephium telephium* (L.) Ohba subsp. *ruprechtii* (Jalas) Dostál) = *Hylotelephium polonicum*

{*Hylotelephium telephium* auct. non (L.) Ohba} = *Hylotelephium argutum*, *Hylotelephium polonicum* & *Hylotelephium triphyllum*

Hylotelephium triphyllum (Haw.) Holub ~ *Hylotelephium telephium* aggr.

Jovibarba globifera (L.) J.Parn.

[*Jovibarba globifera* (L.) J.Parn. subsp. *hirta* (L.) J.Parn.] = *Jovibarba hirta*

Jovibarba hirta (L.) Opiz aggr.

Note: Nomenclature of Carpathian representatives of this group is much confused; several species and infraspecific taxa were recognized by different authors. For nomenclatural stability, at present it is safer to accept a broader species without any infraspecific entities.

(*Jovibarba hirta* (L.) Opiz subsp. *borealis* (H.Huber) Soó) = *Jovibarba globifera*

(*Jovibarba hirta* (L.) Opiz subsp. *glabrescens* (Sabr.) Soó & Jáv.) = *Jovibarba hirta*
(*Jovibarba hirta* (L.) Opiz subsp. *preissiana* (Domin) Soó) = *Jovibarba hirta*
(*Jovibarba hirta* (L.) Opiz subsp. *tatrensis* (Domin) A.L.öve & D.L.öve) = *Jovibarba hirta*
(*Jovibarba preissiana* (Domin) Omelezuk & Czopik) = *Jovibarba hirta*
(*Jovibarba sobolifera* (Sims.) Opiz) = *Jovibarba globifera*

***Rhodiola rosea* L.**

Conservation status: RDBU (1).

***Sedum acre* L.**

***Sedum aetnense* Tineo**

***Sedum album* L.**

***Sedum alpestre* Vill.**

***Sedum annuum* L.**

Sedum antiquum* Omelezuk & Zaverucha ~ *Sedum hispanicum

Conservation status: RDBU (1); ERL (R).

Note: *Sedum antiquum* is believed to be an endemic of the Ukrainian Carpathians.

However, other taxa described in the *S. hispanicum* group earlier (e.g., *S. glaucum* Waldst. & Kit., *S. hungaricum* Poir., etc.) should be critically revised.

[*Sedum argutum* (Haw.) Sweet] = *Hylotelephium argutum*

***Sedum atratum* L.**

(*Sedum boloniense* Loisel.) = *Sedum sexangulare*

Sedum borissovae* Balk. ~ *Sedum sexangulare

Conservation status: IUCN RL (V).

***Sedum caespitosum* (Cav.) DC.**

(*Sedum carpaticum* G.Reuss) = *Hylotelephium argutum*

{*Sedum decumbens* auct. non Luce} = *Hylotelephium polonicum*

Note: See note under *Hylotelephium decumbens*.

(*Sedum fabaria* W.D.J.Koch) = *Hylotelephium argutum*

(*Sedum hillebrandtii* Fenzl) = *Sedum urvillei*

{*Sedum hillebrandtii* auct. non Fenzl} = *Sedum sexangulare*

***Sedum hispanicum* L.**

[*Sedum maximum* (L.) Hoffm.] = *Hylotelephium maximum*

***Sedum pallidum* M.Bieb.**

{*Sedum pallidum* auct. non M.Bieb.} = *Sedum urvillei*

[*Sedum polonicum* Blocki] = *Hylotelephium polonicum*

{*Sedum purpureum* auct. non (L.) Schult.} = *Hylotelephium argutum* & *Hylotelephium triphyllum*

(*Sedum reflexum* L.) = *Sedum rupestre*

(*Sedum rhodiola* DC.) = *Rhodiola rosea*

(*Sedum roseum* (L.) Scop.) = *Rhodiola rosea*

***Sedum rubens* L.**

***Sedum rupestre* L.**

(*Sedum ruprechtii* (Jalas) Omelezuk) = *Hylotelephium polonicum*

(*Sedum sartorianum* Boiss. subsp. *hillebrandtii* (Fenzl) D.A. Webb) = *Sedum urvillei*

***Sedum sexangulare* L.**

(*Sedum spirale* Haw.) = *Sedum sexangulare*

***!*Sedum spurium* M.Bieb.**

{*Sedum telephium* auct. non L.} = *Hylotelephium argutum*, *Hylotelephium polonicum* &
Hylotelephium triphyllum

(*Sedum telephium* L. subsp. *ruprechtii* Jalas) = *Hylotelephium decumbens*

(*Sedum telephium* L. subsp. *fabaria* (W.D.J.Koch) Kirsch.) = *Hylotelephium argutum*

***Sedum urvillei* DC.**

Note: Reported for the Ukrainian Carpathians as *Sedum hillebrandtii* (most probably a misidentification of *S. sexangulare*). Recently reported from Crimea.

***Sedum villosum* L.**

Note: Reported for Transcarpathia (Fodor, 1974); needs confirmation.

(*Sempervivum globiferum* L.) = *Jovibarba globifera*

(*Sempervivum hillebrandtii* Schott) = *Jovibarba hirta*

(*Sempervivum hirtum* L.) = *Jovibarba hirta*

***Sempervivum montanum* L.**

Conservation status: RDBU (1).

Note: Plants from the Ukrainian Carpathians were assigned to *S. montanum* L. subsp. *carpaticum* Wettst. ex Hayek.

***Sempervivum ruthenicum* Schnittsp. & C.B.Lehm.**

(*Sempervivum soboliferum* Sims) = *Jovibarba globifera*

***!*Sempervivum tectorum* L.**

(*Spathulata spuria* (M.Bieb.) A.Löve & D.Löve) = *Sedum spurium*

***Tillaea vaillantii* Willd.**

FAMILY Cucurbitaceae

***Bryonia alba* L.**

[*Bryonia cretica* L. subsp. *dioica* (Jacq.) Tutin] = *Bryonia dioica*

***Bryonia dioica* Jacq.**

****Citrullus colocynthis* (L.) Schrad.**

****Citrullus lanatus* (Thunb.) Matsum. & Nakai**

(*Cucumis colocynthis* L.) = *Citrullus colocynthis*

[*Cucumis melo* L.] = *Melo sativus*

****Cucumis sativus* L.**

(*Cucurbita citrullus* L.) = *Citrullus lanatus*

(*Cucurbita lagenaria* L.) = *Lagenaria siceraria*

**Cucurbita maxima* Duchesne

**Cucurbita moschata* (Duchesne) Poir.

**Cucurbita pepo* L.

Ecballium elaterium (L.) A.Rich.

(*Echinocystis echinata* (Muehl. ex Willd.) Britt., Sterns & Poggenb.) = *Echinocystis lobata*

*!*Echinocystis lobata* (Michx.) Torr. & A.Gray

Note: An invasive species naturalized in many regions of Ukraine.

**Lagenaria siceraria* (Molina) Standl.

(*Lagenaria vulgaris* Ser.) = *Lagenaria siceraria*

**Luffa acutangula* (L.) Roxb.

**Luffa cylindrica* (L.) M.Roem.

**Melo sativus* Sager. ex M.Roem.

**Momordica balsamina* L.

(*Momordica cylindrica* L.) = *Luffa cylindrica*

(*Momordica elaterium* L.) = *Ecballium elaterium*

(*Momordica lanata* Thunb.) = *Citrullus lanatus*

*!*Sicyos angulata* L.

(*Sicyos lobata* Michx.) = *Echinocystis lobata*

*!*Thladiantha dubia* Bunge

FAMILY Cuscutaceae

Cuscuta alba J.Presl & C.Presl

Cuscuta approximata Bab.

{*Cuscuta australis* auct. non R.Br.} = *Cuscuta cesatiana* & *Cuscuta tinei*

[*Cuscuta australis* R.Br. subsp. *cesatiana* (Bertol.) Fienbrun] = *Cuscuta cesatiana*

[*Cuscuta australis* R.Br. subsp. *tinei* (Insenga) Fienbrun] = *Cuscuta tinei*

(*Cuscuta basarabica* Buia) = *Cuscuta cesatiana*

(*Cuscuta breviflora* Vis.) = *Cuscuta tinei*

{*Cuscuta breviflora* auct. non Vis.} = *Cuscuta cesatiana*

Cuscuta campestris Yunck.

Cuscuta cesatiana Bertol.

Cuscuta epilinum Weihe

Cuscuta epithymum (L.) L.

[*Cuscuta epithymum* (L.) L. subsp. *kotschy* (Des Moul.) Arcang.] = *Cuscuta kotschy*

[*Cuscuta epithymum* (L.) L. subsp. *trifolii* (Bab. & Gibson) Berger] = *Cuscuta trifolii*
Cuscuta europaea L.
Cuscuta gronovii Willd. ex Roem. & Schult.
Cuscuta kotschyi Des Moul.
Cuscuta lupuliformis Krock.
Cuscuta monogyna Vahl
(*Cuscuta scandens* Brot. subsp. *cesatiana* (Bertol.) Greuter & Burdet) = *Cuscuta cesatiana*
Cuscuta suaveolens Ser.
Cuscuta tinei Insenga ~ *Cuscuta australis*
Cuscuta trifolii Bab. & Gibson ~ *Cuscuta epithymum* s.l.
(*Cuscuta viciae* Schultz) = *Cuscuta europaea*
(*Cuscuta vulgaris* Pers., nom. illeg.) = *Cuscuta europaea*

(*Grammica campestris* (Yunck.) Hadač & Chrtek) = *Cuscuta campestris*

(*Monogynella lupuliformis* (Krock.) Hadač & Chrtek) = *Cuscuta lupuliformis*

FAMILY Dipsacaceae

Cephalaria coriacea (Willd.) Steud.
Cephalaria demetrii Bobrov
Conservation status: ERL (R).
Cephalaria litvinovii Bobrov
Conservation status: RDBU (1); ERL (E).
Cephalaria transsylvanica (L.) Roem. & Schult.
Cephalaria uralensis (Murray) Roem. & Schult.

(*Dipsacella pilosa* (L.) Soják) = *Dipsacus pilosus*

{*Dipsacus fullonum* L. p.p., nom. ambig.} = *Dipsacus sylvestris*
Dipsacus gmelinii M. Bieb.
Dipsacus laciniatus L.
Dipsacus pilosus L.
**Dipsacus sativus* (L.) Honck.
Dipsacus strigosus Willd. ex Roem. & Schult.
Dipsacus sylvestris Huds.

Knautia arvensis (L.) Coult.
{*Knautia arvensis* (L.) Coult. subsp. *kitaibelii* (Schult.) Szabó} = *Knautia kitaibelii*
(*Knautia arvensis* (L.) Coult. var. *carpathica* (Fisch. ex Rchb.) G. Reuss) = *Knautia kitaibelii*
(*Knautia carpathica* (Fisch. ex Rchb.) Heuff.) = *Knautia kitaibelii*
(*Knautia dipsacifolia* Kreutzer) = *Knautia maxima*
(*Knautia dipsacifolia* Kreutzer subsp. *pocutica* (Szabó) Ehrend.) = *Knautia maxima*
Knautia kitaibelii (Schult.) Borbás
{*Knautia longifolia* auct. non (Waldst. & Kit.) W.D.J. Koch} = *Scabiosa lucida*

Knautia maxima (Opiz) Ortmann
(*Knautia turocensis* (Borbás) Szabó) = *Knautia maxima*
(*Lomelosia argentea* (L.) Greuter & Burdet) = *Scabiosa argentea*
(*Lomelosia rotata* (M.Bieb.) Greuter & Burdet) = *Scabiosa rotata*
(*Lomelosia micrantha* (Desf.) Greuter & Burdet) = *Scabiosa micrantha*

Pteroccephalus plumosus (L.) Coult.

Scabiosa argentea L.

(*Scabiosa arvensis* L.) = *Knautia arvensis*

(*Scabiosa campestris* Andr. ex Besser) = *Knautia arvensis*

Scabiosa columbaria L.

(*Scabiosa dipsacifolia* Host) = *Knautia maxima*

(*Scabiosa inflexa* Kluk) = *Succisella inflexa*

(*Scabiosa kitaibelii* Schult) = *Knautia kitaibelii*

Scabiosa lucida Vill.

(*Scabiosa maxima* Opiz) = *Knautia maxima*

Scabiosa micrantha Desf.

Scabiosa ochroleuca L.

(*Scabiosa opaca* Klokov) = *Scabiosa lucida*

Scabiosa praemontana Privalova

Conservation status: ERL (R).

Scabiosa rotata M.Bieb.

(*Scabiosa succisa* L.) = *Succisa pratensis*

Scabiosa taurica Kotov ~ *Scabiosa argentea*

Scabiosa ucranica L.

{*Scabiosa ucranica* auct. non L.} = *Scabiosa argentea*

Succisa pratensis Moench

Succisella inflexa (Kluk) G.Beck

(*Trichera arvensis* (L.) Schrad. ex Roem. & Schult.) = *Knautia arvensis*

(*Trichera dipsacifolia* (Kreutzer) Nyman) = *Knautia maxima*

(*Trichera dipsacifolia* (Kreutzer) Nyman subsp. *pocutica* (Szabó) Soják) = *Knautia maxima*

(*Trochocephalus argenteus* (L.) A.Löve & D.Löve) = *Scabiosa argentea*

(*Trochocephalus ucranicus* (L.) A.Löve & D.Löve) = *Scabiosa ucranica*

(*Trochocephalus rotatus* (M.Bieb.) A.Löve & D.Löve) = *Scabiosa rotata*

(*Trochocephalus micranthus* (Desf.) A.Löve & D.Löve) = *Scabiosa micrantha*

(*Virga pilosa* (L.) Hill) = *Dipsacus pilosus*

(*Virga strigosa* (Willd. ex Roem. & Schult) Holub) = *Dipsacus strigosus*

FAMILY Droseraceae

Aldrovanda vesiculosa L.

Conservation status: RDBU (2).

(*Drosera anglica* Huds.) = *Drosera longifolia*

Drosera intermedia Hayne

Conservation status: RDBU (2).

Drosera longifolia L.

Conservation status: RDBU (2), as *Drosera anglica*.

Drosera* × *obovata Mert. & W.D.J.Koch = *Drosera longifolia* × *Drosera rotundifolia*

Drosera rotundifolia L.

FAMILY Ebenaceae

****Diospyros kaki*** Thunb.

****Diospyros lotus*** L.

****Diospyros virginiana*** L.

FAMILY Elaeagnaceae

*!***Elaeagnus angustifolia*** L.

(*Elaeagnus argentea* Pursh, non Moench) = *Elaeagnus commutata*

****Elaeagnus commutata*** Bernh. ex Rydb.

Note: Several other species of *Elaeagnus* are occasionally cultivated in botanical gardens and parks: *E. multiflora* Thunb., *E. pungens* Thunb., *E. umbellata* Thunb., etc.

(*Hippophaë argentea* Pursh) = *Shepherdia argentea*

Hippophaë rhamnoides L.

(*Hippophaë rhamnoides* L. subsp. *carpatica* Rousi) = *Hippophaë rhamnoides*

****Shepherdia argentea*** (Pursh) Nutt.

Note: In Ukrainian horticultural publications the genus name is usually misspelt as "Schepherdia".

FAMILY Elatinaceae

Elatine alsinastrum L.

Elatine ambigua Wight

(*Elatine callitrichoides* (W.Nyl.) Kauffm.) = *Elatine triandra*

(*Elatine gyrosperma* Düben) = *Elatine hydropiper*

Elatine hungarica Moesz

Elatine hydropiper L.

Elatine triandra Schkuhr

FAMILY Empetraceae

Empetrum hermaphroditum Hagerup

Empetrum nigrum L.

[*Empetrum nigrum* L. subsp. *hermaphroditum* (Hagerup) Böcher] = *Empetrum hermaphroditum*

FAMILY Ericaceae

Note: Including Vacciniaceae.

(*Andromeda calyculata* L.) = *Chamaedaphne calyculata*

Andromeda polifolia L.

Arbutus andrachne L.

Conservation status: RDBU (2).

***Arbutus unedo** L.

[*Arctostaphylos alpinus* (L.) Spreng.] = *Arctous alpinus*

(*Arctostaphylos officinalis* Wimmer & Grab.) = *Arctostaphylos uva-ursi*

Arctostaphylos uva-ursi (L.) Spreng.

?**Arctous alpinus** (L.) Niedenzu

Note: Records from the Carpathians need confirmation.

(*Azalea pontica* L.) = *Rhododendron luteum*

(*Azalea procumbens* L.) = *Loiseleuria procumbens*

Bruckenthalia spiculifolia (Salisb.) Rchb.

Note: Reported for the Ukrainian Carpathians by V. Tkachik (1997, Ukr. Bot. Zhurn. 54(2):184-186).

Calluna vulgaris (L.) Hull

Chamaedaphne calyculata (L.) Moench

Conservation status: RDBU (1).

Ledum palustre L.

Loiseleuria procumbens (L.) Desv.

Oxycoccus microcarpus Turcz. ex Rupr.

Conservation status: RDBU (1).

(*Oxycoccus oxycoccus* (L.) B.H. Macmill., nom. inval.) = *Oxycoccus palustris*

Oxycoccus palustris Pers.

[*Rhodococcum vitis-idaea* (L.) Avror.] = *Vaccinium vitis-idaea* L.

(*Rhododendron flavum* (Hoffm.) G.Don) = *Rhododendron luteum*

(*Rhododendron kotschy* Simonk.) = *Rhododendron myrtifolium*

***Rhododendron luteum* Sweet**

***Rhododendron myrtifolium* Schott & Kotschy**

Conservation status: RDBU (3), as *Rhododendron kotschy*.

Note: At least 35-40 other species of *Rhododendron* are cultivated in botanical gardens, arboreta and parks.

(*Uva-ursi alpina* (L.) A.Gray) = *Arctous alpinus*

(*Uva-ursi procumbens* Moench) = *Arctostaphylos uva-ursi*

(*Vaccinium album* L.) = *Symphoricarpos albus*

Note: See family *Caprifoliaceae*.

***Vaccinium gaultherioides* Bigelow** ~ *Vaccinium uliginosum*

[*Vaccinium microcarpum* (Turcz. ex Rupr.) Schmalh.] = *Oxycoccus microcarpus*

(*Vaccinium microphyllum* (Lange) Hagerup) = *Vaccinium gaultherioides*

[*Vaccinium minus* (Lodd.) Worosch.] = *Vaccinium vitis-idaea* subsp. *minor*

***Vaccinium myrtillus* L.**

[*Vaccinium oxycoccus* L.] = *Oxycoccus palustris*

***Vaccinium uliginosum* L.**

[*Vaccinium uliginosum* L. subsp. *microphyllum* (Lange) Tolm.] = *Vaccinium gaultherioides*

***Vaccinium vitis-idaea* L.**

***Vaccinium vitis-idaea* L. subsp. *minor* (Lodd.) Hultén**

FAMILY *Eucommiaceae*

****Eucommia ulmoides* Oliver**

FAMILY *Euphorbiaceae*

***Acalypha australis* L.**

Note: A rare alien plant known from Crimea.

[*Agaloma marginata* (Pursh) A.L.öve & D.Löve] = *Euphorbia marginata*

***Andrachne telephioides* L.**

[*Chamaesyce canescens* (L.) Prokh.] = *Euphorbia canescens*

[*Chamaesyce humifusa* (Willd. ex Schlecht.) Prokh.] = *Euphorbia humifusa*

[*Chamaesyce maculata* (L.) Small] = *Euphorbia maculata*

[*Chamaesyce peplis* (L.) Prokh.] = *Euphorbia peplis*

[*Chamaesyce vulgaris* Prokh.] = *Euphorbia chamaesyce*

Chrozophora hierosolymitana Spreng. ~ *Chrozophora tinctoria*

?**Chrozophora obliqua** (Vahl) A.Juss. ex Spreng.

Note: Reported from Crimea; needs confirmation.

Chrozophora tinctoria (L.) Raf.

(*Croton tinctorium* L.) = *Chrozophora tinctoria*

Euphorbia agraria M.Bieb.

Euphorbia aleppica L.

Euphorbia amygdaloides L.

Euphorbia angulata Jacq.

{*Euphorbia austriaca* auct. non A.Kern.} = *Euphorbia sojakii*

Euphorbia borodinii Sambuk

Euphorbia canescens L.

Euphorbia carniolica Jacq.

Euphorbia carpatica Wol.

{*Euphorbia carpatica* sensu Klokov, non Wol.} = *Euphorbia sojakii*

Euphorbia chamaesyce L.

Euphorbia cretophila Klokov

Euphorbia cyparissias L.

Euphorbia dentata Michx.

Note: A rare alien plant recently collected in several regions of Ukraine (see J. Guzik & al. 1997, Ukr. Bot. Zhurn. 54(3):280-283).

Euphorbia dulcis L.

{*Euphorbia epithymoides* auct. non L.} = *Euphorbia lingulata*

Euphorbia esula L.

Euphorbia exigua L.

Euphorbia falcata L.

Euphorbia glareosa Pall. ex M.Bieb.

Euphorbia goldei Prokh.

(*Euphorbia gracilis* M.Bieb. 1819, non Loisel. 1807) = *Euphorbia subtilis*

(*Euphorbia graeca* Bois. & Sprun.) = *Euphorbia taurinensis*

Euphorbia helioscopia L.

[*Euphorbia helioscopia* L. subsp. *helioscopioides* (Loscos & Pardo) O.Bolos] = *Euphorbia helioscopioides*

(*Euphorbia helioscopia* L. subsp. *hiemalis* A.P.Khokhr.) = *Euphorbia helioscopioides*

Euphorbia helioscopioides Loscos & Pardo

Euphorbia humifusa Willd. ex Schlecht.

Euphorbia iberica Boiss.

Euphorbia jasiewiczii (Chrtk & Křisa) Dubovik

Euphorbia kaleniczenkoi Czern. ~ *Euphorbia esula*

(*Euphorbia kitaibeli* Klokov ex Dubovik, nom. inval.) = *Euphorbia virgata*

Euphorbia klokoviana Railjan

Euphorbia klokovii Dubovik ~ *Euphorbia villosa*

Euphorbia kotovii Klokov

?*Euphorbia lathyris L.

Note: Reported as occasionally cultivated in the southern part of Ukraine.

Euphorbia ledebourii Boiss.

Euphorbia leptocaula Boiss.

Euphorbia lingulata Heuff.

Note: Probably conspecific with *E. epithymoides*.

Euphorbia lucida Waldst. & Kit.

Euphorbia maculata L.

Note: A rare alien plant reported from the Danube delta area (see D. Dubyna & V. Protopepova, 1984, Ukr. Bot. Zhurn. 41(3): 33-36).

***!Euphorbia marginata Pursh**

(*Euphorbia massiliensis* DC.) = *Euphorbia canescens*

Euphorbia myrsinites L.

(*Euphorbia nicaeensis* All. subsp. *glareosa* (Pall. ex M.Bieb.) A.R.Smith) = *Euphorbia glareosa*

Euphorbia palustris L.

Euphorbia paralias L.

Euphorbia peplis L.

Euphorbia peplus L.

Euphorbia petrophila C.A.Mey.

Euphorbia plathyphyllos L.

{*Euphorbia polychroma* auct. non Kern.} = *Euphorbia lingulata*

Euphorbia pseudoglareosa Klokov

(*Euphorbia pseudovillosa* Klokov 1955, non Prod. 1953) = *Euphorbia klokovii*

Euphorbia × pseudovirgata (Schur) Soó = *Euphorbia esula* × *Euphorbia virgata*

(*Euphorbia purpurata* Thuill.) = *Euphorbia dulcis*

Euphorbia rigida M.Bieb.

Euphorbia salicifolia Host

Euphorbia sareptana A.Becker

Euphorbia semivillosa Prokh.

Euphorbia sequierana Neck.

(*Euphorbia serrulata* Thuill.) = *Euphorbia stricta*

Euphorbia sojakii (Chrték & Křisa) Dubovik

Euphorbia stepposa Zoz ex Prokh.

Euphorbia stricta L.

(*Euphorbia subhastifolia* Klokov) = *Euphorbia petrophila*

Euphorbia subtilis Prokh.

Euphorbia tanaitica Pacz. ~ *Euphorbia sareptana*

Euphorbia tauricola Prokh.

Euphorbia taurinensis All.

(*Euphorbia tommasiniana* Bertol.) = *Euphorbia virgata*

Euphorbia tristis Besser ex M.Bieb. ~ *Euphorbia esula*

Euphorbia tyraica Klokov & Artemez.

Euphorbia uralensis Fisch. ex Link

Euphorbia valdevillosocarpa Arvat & Nyár.

Conservation status: RDBU (3).

{*Euphorbia variegata* auct. non Sims} = *Euphorbia marginata*

Euphorbia villosa Waldst. & Kit.

Euphorbia virgata Waldst. & Kit.

Note: If the name *Euphorbia virgata* Desf. 1804 has been published earlier than

E. virgata Waldst. & Kit. 1804, then the correct name for this taxon would be

E. tommasiniana.

(*Euphorbia virgultosa* Klokov) = *Euphorbia virgata*

Euphorbia volhynica Besser ex Racib.

Conservation status: RDBU (3).

(*Euphorbia waldsteinii* (Soják) Czerep.) = *Euphorbia virgata*

****Flueggea suffruticosa*** (Pall.) Baillon

(*Lepadena marginata* (Pursh) Nieuwl.) = *Euphorbia marginata*

Mercurialis annua L.

Mercurialis ovata Sternb. & Hoppe

Mercurialis paxii Graebn.

Note: Probably a stabilized hybrid *M. ovata* × *M. perennis*. In Ukraine occurs only in Crimea.

Mercurialis perennis L.

(*Mercurialis taurica* Juz.) = *Mercurialis paxii*

[*Poinsettia dentata* (Michx.) Klotzsch & Garcke] = *Euphorbia dentata*

*!***Ricinus communis*** L.

[*Securinega suffruticosa* (Pall.) Rehd.] = *Flueggea suffruticosa*

[*Tithymalus agrarius* (M.Bieb.) Klotzsch & Garcke] = *Euphorbia agraria*

[*Tithymalus aleppicus* (L.) Klotzsch & Garcke] = *Euphorbia aleppica*

[*Tithymalus amygdaloides* (L.) Garsault] = *Euphorbia amygdaloides*

[*Tithymalus angulatus* (Jacq.) Raf.] = *Euphorbia angulata*

[*Tithymalus borodini* (Sambuk) Prokh.] = *Euphorbia borodini*

[*Tithymalus carniolicus* (Jacq.) Raf.] = *Euphorbia carniolica*

[*Tithymalus cyparissias* (L.) Hill] = *Euphorbia cyparissias*

[*Tithymalus dulcis* (L.) Scop.] = *Euphorbia dulcis*

[*Tithymalus esula* (L.) Hill] = *Euphorbia esula*

[*Tithymalus exiquus* (L.) Hill] = *Euphorbia exiqua*

[*Tithymalus falcatus* (L.) Klotzsch & Garcke] = *Euphorbia falcata*

[*Tithymalus glareosus* (Pall. ex M.Bieb.) Prokh.] = *Euphorbia glareosa*

[*Tithymalus goldei* Prokh.] = *Euphorbia goldei*

[*Tithymalus helioscopia* (L.) Hill] = *Euphorbia helioscopia*

[*Tithymalus ibericus* (Boiss.) Prokh.] = *Euphorbia iberica*

[*Tithymalus jasiewiczii* Chrtek & Křisa] = *Euphorbia jasiewiczii*

[*Tithymalus klokovianus* (Railjan) Holub] = *Euphorbia klokoviana*

[*Tithymalus lathyris* (L.) Hill] = *Euphorbia lathyris*

[Tithymalus ledebourii (Boiss.) Prokh.] = Euphorbia ledebourii
 [Tithymalus leptocaulus (Boiss.) Prokh.] = Euphorbia leptocaula
 [Tithymalus lingulatus (Heuff.) Soják] = Euphorbia lingulata
 [Tithymalus lucidus (Waldst. & Kit.) Klotzsch ex Garcke] = Euphorbia lucida
 [Tithymalus myrsinites (L.) Hill] = Euphorbia myrsinites
 [Tithymalus palustris (L.) Garsault] = Euphorbia palustris
 [Tithymalus peplus (L.) Hill] = Euphorbia peplus
 [Tithymalus paralias (L.) Hill] = Euphorbia paralias
 [Tithymalus petrophilus (C.A. Mey.) Soják] = Euphorbia petrophila
 [Tithymalus plathyphyllos (L.) Hill] = Euphorbia plathyphyllos
 [Tithymalus rigidus (M.Bieb.) Klotzsch & Garcke] = Euphorbia rigida
 [Tithymalus salicifolius (Host) Klotzsch & Garcke] = Euphorbia salicifolia
 [Tithymalus sareptanus (A. Becker) Prokh.] = Euphorbia sareptana
 [Tithymalus sequieranus (Neck.) Prokh.] = Euphorbia sequierana
 [Tithymalus semivillosus Prokh.] = Euphorbia semivillosa
 [Tithymalus sojakii (Chrtek & Křisa) Holub] = Euphorbia sojakii
 [Tithymalus stepposus (Zoz ex Prokh.) Prokh.] = Euphorbia stepposa
 [Tithymalus strictus (L.) Klotzsch & Garcke] = Euphorbia stricta
 [Tithymalus subtilis Prokh.] = Euphorbia subtilis
 [Tithymalus tauricolus Prokh.] = Euphorbia tauricola
 [Tithymalus taurinensis (All.) Klotzsch & Garcke] = Euphorbia taurinensis
 [Tithymalus tommasinianus (Bertol.) Soják] = Euphorbia virgata
 [Tithymalus uralensis (Fisch. ex Link) Prokh.] = Euphorbia uralensis
 [Tithymalus valdevillosocarpus (Arvat & Nyár.) Chrtek & Křisa] = Euphorbia
 valdevillosocarpa
 [Tithymalus villosus (Waldst. & Kit.) Pacher] = Euphorbia villosa
 [Tithymalus volhynicus (Besser ex Racib.) Holub] = Euphorbia volhynica
 [Tithymalus waldsteinii Soják] = Euphorbia virgata

FAMILY Fabaceae

Note: See also Caesalpinaceae and Mimosaceae.

[Amoria ambigua (M.Bieb.) Soják] = Trifolium ambiguum
 [Amoria angulata (Waldst. & Kit.) C.Presl] = Trifolium angulatum
 [Amoria bonnanii (C.Presl) Roskov] = Trifolium bonnanii
 [Amoria fragifera (L.) Roskov] = Trifolium fragiferum
 [Amoria hybrida (L.) C.Presl] = Trifolium hybridum
 [Amoria hybrida (L.) C.Presl subsp. *elegans* (Savi) Soják] = Trifolium elegans
 [Amoria montana (L.) Soják] = Trifolium montanum
 [Amoria pallescens (Schreb.) C.Presl] = Trifolium pallescens
 [Amoria repens (L.) C.Presl] = Trifolium repens
 [Amoria resupinata (L.) Roskov] = Trifolium resupinatum
 [Amoria retusa (L.) Dostál] = Trifolium retusum
 [Amoria vesiculosa (Savi) Roskov] = Trifolium vesiculosum

**Amorpha californica* Nutt.

**Amorpha canescens* Nutt.

*!*Amorpha fruticosa* L.

Note: A completely naturalized invasive species in the Dnieper River valley and some other regions of Ukraine.

**Amorpha herbacea* Walter

**Amorpha glabra* Poir.

Note: In addition to the taxa listed above, 3 or 4 other species of *Amorpha* are rarely cultivated in botanical gardens and arboreta.

(*Anthyllis affinis* Brittinger ex A.Kern.) = *Anthyllis carpatica*

Anthyllis alpestris (Kit. ex Schult.) Rechb. *Anthyllis vulneraria* aggr.

(*Anthyllis alpicola* Brügger) = *Anthyllis alpestris*

Anthyllis arenaria (Rupr.) Juz. ~ *Anthyllis vulneraria* aggr.

Anthyllis biebersteiniana Popl. ~ *Anthyllis vulneraria* aggr.

(*Anthyllis calcicola* Schar) = *Anthyllis alpestris*

Anthyllis carpatica Pant. ~ *Anthyllis vulneraria* aggr.

Anthyllis macrocephala Wender. ~ *Anthyllis vulneraria* aggr.

{*Anthyllis polyphylla* auct. non (DC.) Kit. ex Loudon} = *Anthyllis macrocephala* & *Anthyllis schiwereckii*

Anthyllis schiwereckii (DC.) Blocki ~ *Anthyllis vulneraria* aggr.

Anthyllis taurica Juz. ~ *Anthyllis vulneraria* aggr.

Note: Probably a hybrid *A. biebersteiniana* × *A. macrocephala*.

{*Anthyllis vulneraria* L. subsp. *alpestris* (Kit. ex Schult.) Asch. & Graebn.} = *Anthyllis alpestris*

{*Anthyllis vulneraria* L. subsp. *carpatica* (Pant.) Nyman} = *Anthyllis carpatica*

{*Anthyllis vulneraria* L. subsp. *boissieri* (Sagorski) Bornm.} = *Anthyllis taurica*

**Arachis hypogaea* L.

Argyrolobium biebersteinii P.W.Ball

(*Argyrolobium calycinum* (M.Bieb.) Jaub. & Spach, nom. illeg.) = *Argyrolobium biebersteinii*

(*Argyrolobium pauciflorum* (M.Bieb. ex Willd.) Hayek 1926, non Eckl. & Zeyh. 1836) = *Argyrolobium biebersteinii*

Astracantha arnacantha (M.Bieb.) Podlech

Conservation status: IUCN RL (R), as *Astragalus arnacantha*.

Astragalus abruptus Krytzka ~ *Astragalus pseudotataricus*

Astragalus albicaulis DC.

Astragalus albidus Waldst. & Kit.

Astragalus alpinus L.

Note: Reported for Transcarpathia (see Yakovlev, Sytin & Roskov, 1996).

Astragalus arenarius L.

{*Astragalus arnacantha* M.Bieb.} = *Astracantha arnacantha*

Astragalus asper Jacq.

{*Astragalus australis* auct. non (L.) Lam.} = *Astragalus krajinae*
 [*Astragalus australis* (L.) Lam. subsp. *krajinae* (Domin) Dostál] = *Astragalus krajinae*
Astragalus austriacus Jacq.
Astragalus borysthenticus Klokov ~ *Astragalus onobrychis* s.l.
 Conservation status: RDBU (2); ERL (R).
Astragalus brachyceras Ledeb. ~ *Astragalus hamosus* s.l.
 {*Astragalus buchtormensis* auct. non Pall.} = *Astragalus henningii*
Astragalus bungeanus Boiss.
 Note: Reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).
Astragalus cicer L.
 (*Astragalus concavus* Boriss.) = *Astragalus reduncus*
Astragalus contortuplicatus L.
Astragalus corniculatus M.Bieb.
 {*Astragalus cornutus* auct. non Pall.} = *Astragalus odessanus* & *Astragalus cretophilus*
Astragalus cretophilus Klokov ~ *Astragalus cornutus* s.l.
 Conservation status: RDBU (3).
Astragalus danicus Retz.
Astragalus dasyanthus Pall.
 Conservation status: RDBU (2); IUCN RL (R); ERL (I).
Astragalus dealbatus Pall.
Astragalus dolichophyllus Pall.
Astragalus exscapus L.
Astragalus galegiformis L.
Astragalus glaucus M.Bieb.
Astragalus glycyphylloides DC.
Astragalus glycyphyllos L.
 (*Astragalus glycyphyllos* L. subsp. *glycyphylloides* (DC.) V.A.Matthews) = *Astragalus glycyphylloides*
 {*Astragalus guttatus* auct. non Banks & Sol.} = *Astragalus striatellus*
 {*Astragalus hamosus* auct. non L.} = *Astragalus brachyceras*
 (*Astragalus hedysaroides* L.) = *Hedysarum hedysaroides*
Astragalus henningii (Steven) Klokov
 Conservation status: IUCN RL (R); ERL (R).
 Note: Closely related to *A. buchtormensis* s.l.
Astragalus hypanicus Krytzka ~ *Astragalus pallescens* s.l.
Astragalus krajinae Domin ~ *Astragalus australis* s.l.
 Conservation status: RDBU (2); ERL (I).
 {*Astragalus macropus* auct. non Bunge} = *Astragalus olgianus*
Astragalus monspessulanus L.
 Conservation status: RDBU (2).
 (*Astragalus novoascanicus* Klokov) = *Astragalus henningii*
Astragalus odessanus Besser ~ *Astragalus cornutus* s.l.
Astragalus olgianus Krytzka ~ *Astragalus macropus* s.l.
Astragalus onobrychis L.
Astragalus oxyglottis Steven ex M.Bieb.

Astragalus pallescens M.Bieb.

Conservation status: IUCN RL (I).

(*Astragalus pilosus* L.) = *Oxytropis pilosa*

Astragalus ponticus Pall.

Astragalus pseudoglaucus Klokov

(*Astragalus pseudonobrychis* Andrz.) = *Astragalus onobrychis*

{*Astragalus pseudotataricus* auct. non Boriss.} = *Astragalus abruptus*

Astragalus pubiflorus DC.

Astragalus reduncus Pall.

Conservation status: IUCN RL (I); ERL (I).

Astragalus resupinatus M.Bieb.

Astragalus rupifragus Pall.

Astragalus sareptanus A.Becker ~ *Astragalus rupifragus* s.l.

Astragalus setosulus Gontsch.

Conservation status: RDBU (2); IUCN RL (E); ERL (R).

Astragalus similis Boriss.

Conservation status: ERL (R).

Astragalus sinaicus Boiss.

Astragalus striatellus Pall. ex M.Bieb. ~ *Astragalus guttatus* s.l.

(*Astragalus subulatus* Pall.) = *Astragalus subuliformis*

Astragalus subuliformis DC.

Astragalus sulcatus L.

Astragalus suprapilosus Gontsch.

Conservation status: ERL (I).

Astragalus tanaiticus K.Koch

Conservation status: RDBU (1); IUCN RL (V); ERL (I).

(*Astragalus tarchankuticus* Boriss.) = *Astragalus glaucus*

Astragalus tauricus Pall.

Astragalus testiculatus Pall.

Astragalus ucrainicus M.Pop. & Klokov

Astragalus utriger Pall.

Astragalus varius S.G.Gmel.

{*Astragalus vesicarius* auct. non L.} = *Astragalus albidus*

(*Astragalus virgatus* Pall.) = *Astragalus varius*

Astragalus zingeri Korsh.

Conservation status: RDBU (2); ERL (I).

Bituminaria bituminosa (L.) Stirton

Calophaca wolgarica (L.f.) DC.

Conservation status: RDBU (2); ERL (V).

*!**Caragana arborescens** Lam.

***Caragana aurantiaca** Koehne

(*Caragana frutescens* (L.) DC.) = *Caragana frutex*

Caragana frutex (L.) K.Koch

***Caragana fruticosa** (Pall.) Besser

***Caragana grandiflora** (M.Bieb.) DC.

{**Caragana grandiflora** auct. non (M.Bieb.) DC.} = **Caragana scythica**

(**Caragana grandiflora** (M.Bieb.) DC. var. **scythica** Kom.) = **Caragana scythica**

Caragana scythica (Kom.) Pojark.

Conservation status: RDBU (2); ERL (R).

***Caragana spinosa** (L.) DC.

***Caragana microphylla** Lam.

Caragana mollis (M.Bieb.) Besser

***Caragana pygmaea** (L.) DC.

Note: In addition to the taxa listed above, ca. 15 other species of *Caragana* are occasionally cultivated in botanical gardens and arboreta: *C. decorticans* Hemsl., *C. laeta* Kom., *C. spinosa* (L.) DC., *C. tibetica* Kom., *C. tragacanthoides* (Pall.) Poir., *C. turkestanica* Kom., *C. ussuriensis* (Regel) Pojark., etc.

(**Chamaecytisus aggregatus** (Schur) Czerep.) = **Chamaecytisus supinus**

Chamaecytisus albus (Hacq.) Rothm.

Conservation status: RDBU (3).

Chamaecytisus austriacus (L.) Link

Chamaecytisus blockianus (Pawl.) Klásková

Conservation status: RDBU (3); IUCN RL (R); ERL (R).

Chamaecytisus borysthenicus (Grun.) Klásková

Chamaecytisus elongatus (Waldst. & Kit.) Link.

?**Chamaecytisus glaber** (L.f.) Rothm.

Note: Reported from Transcarpathia (Fodor, 1974), probably introduced; needs confirmation.

Chamaecytisus graniticus (Rehman) Rothm.

Conservation status: RDBU (3), including *Chamaecytisus skrobiszewskii*; IUCN RL (R), as *Chamaecytisus skrobiszewskii*; ERL (R).

{**Chamaecytisus hirsutus** auct. non (L.) Link} = **Chamaecytisus leucotrichus**

[**Chamaecytisus hirsutus** (L.) Link subsp. **leucotrichus** (Schur) Póner] = **Chamaecytisus leucotrichus**

Chamaecytisus kreczetoviczii (Wissjul.) Holub ~ **Chamaecytisus lindemannii** s.l.

Conservation status: ERL (R).

Chamaecytisus leiocarpus (A.Kern.) Rothm.

Chamaecytisus leucotrichus (Schur) Czerep. ~ **Chamaecytisus hirsutus** s.l.

Chamaecytisus lindemannii (V.Krecz.) Klásková

Conservation status: ERL (R), as *Chamaecytisus kreczetoviczii* (s.l.).

?**Chamaecytisus litwinowii** (V.Krecz.) Klásková ~ **Chamaecytisus blockianus** s.l.

Conservation status: ERL (R).

Note: Occurrence in Ukraine needs confirmation; no specimens available.

Chamaecytisus paezoskii (V.Krecz.) Klásková

Conservation status: RDBU (3); IUCN RL (R).

Chamaecytisus pineticola Ivčenko ~ **Chamaecytisus zingeri** s.l.

Chamaecytisus podolicus (Blocki) Klásková

Conservation status: RDBU (2); IUCN RL (R); ERL (R).

Chamaecytisus polytrichus (M.Bieb.) Rothm.

***Chamaecytisus purpureus** (Scop.) Link

Note: Reported from Crimea (cultivated).

Chamaecytisus ratisbonensis (Schaeff.) Rothm.

Chamaecytisus rochelii (Wierzb.) Rothm.

Conservation status: RDBU (2).

Chamaecytisus ruthenicus (Fisch. ex Wot.) Klásková

?**Chamaecytisus supinus** (L.) Link

Note: Occurrence in Ukraine needs confirmation; probably misidentified *Ch. austriacus*.

(*Chamaecytisus skrobiszewskii* (Pacz.) Klásková) = *Chamaecytisus graniticus*

Chamaecytisus wulfii (V.K.recz.) Klásková

Conservation status: RDBU (2); ERL (I).

{*Chamaecytisus zingeri* auct. non (Nenuk.) Klásková, p.p.} = *Chamaecytisus pineticola*

(*Chamaespartium sagittale* (L.) P.Gibbs) = *Genistella sagittalis*

[*Chrysaspis aurea* (Pollich) Greene] = *Trifolium aureum*

[*Chrysaspis badia* (Schreb.) Desv.] = *Trifolium badium*

[*Chrysaspis campestris* (Schreb.) Desv.] = *Trifolium campestre*

[*Chrysaspis dubia* (Sibth.) Desv.] = *Trifolium dubium*

[*Chrysaspis grandiflora* (Schreb.) Hendrych] = *Trifolium grandiflorum*

[*Chrysaspis spadicea* (L.) Greene] = *Trifolium spadiceum*

***Cicer arietinum** L.

***Cladrastis kentuckea** (Dum.-Cours.) Rudd

(*Cladrastis lutea* (Michx.) K.Koch) = *Cladrastis kentuckea*

***Colutea arborescens** L.

Note: Ca. 7 other species of *Colutea* are occasionally cultivated in botanical gardens and parks.

[*Colutea arborescens* L. subsp. *cilicica* (Boiss. & Balansa) Ponert] = *Colutea cilicica*

Colutea cilicica Boiss. & Balansa

Colutea orientalis Mill.

Coronilla coronata L.

(*Coronilla cretica* L.) = *Securigera cretica*

(*Coronilla elegans* Pančić) = *Securigera elegans*

(*Coronilla emeroides* Boiss. & Spruner) = *Hippocrepis emeroides*

(*Coronilla latifolia* (Hazsl.) Jáv.) = *Securigera elegans*

(*Coronilla montana* Scop.) = *Coronilla coronata*

(*Coronilla parviflora* Moench, non Willd.) = *Securigera cretica*

(*Coronilla parviflora* Willd.) = *Securigera parviflora*
(*Coronilla rostrata* Boiss. & Sprun.) = *Securigera parviflora*
Coronilla scorpioides (L.) W.D.J.Koch
(*Coronilla varia* L.) = *Securigera varia*

***Corothamnus procumbens** (Waldst. & Kit. ex Willd.) C.Presl
Note: Reported as cultivated in Transcarpathia.

[*Crimaea cretacea* (M.Bieb.) Vassilcz.] = *Melilotoides cretacea*

***Crotalaria juncea** L.

(*Cytisophyllum sessilifolius* (L.) Lang) = *Cytisus sessilifolius*

(*Cytisus albus* Hacq.) = *Chamaecytisus albus*
(*Cytisus austriacus* L.) = *Chamaecytisus austriacus*
(*Cytisus blockianus* Pawl.) = *Chamaecytisus blockianus*
(*Cytisus blockii* V.Krecz.) = *Chamaecytisus blockianus*
(*Cytisus calycinus* M.Bieb., nom. illeg.) = *Argyrolobium biebersteinii*
(*Cytisus laburnum* L.) = *Laburnum anagyroides*
(*Cytisus leucotrichus* Schur) = *Chamaecytisus leucotrichus*
(*Cytisus nigricans* L.) = *Lembotropis nigricans*
(*Cytisus pauciflorus* M.Bieb. ex Willd.) = *Argyrolobium biebersteinii*
(*Cytisus podolicus* Blocki) = *Chamaecytisus podolicus*
(*Cytisus ratisbonensis* Schaeff.) = *Chamaecytisus ratisbonensis*
(*Cytisus sagittalis* (L.) W.D.J.Koch) = *Genistella sagittalis*
(*Cytisus scoparius* (L.) Link) = *Sarothamnus scoparius*
***Cytisus sessilifolius** L.
(*Cytisus wolgaricus* L.f.) = *Calophaea wolgarica*

(*Dolichos lablab* L.) = *Lablab purpureus*

Dorycnium herbaceum Vill.

(*Dorycnium germanicum* (Gremli) Rikli) = *Dorycnium pentaphyllum*

Dorycnium graecum (L.) Ser.

(*Dorycnium intermedium* Ledeb.) = *Dorycnium herbaceum*

(*Dorycnium latifolium* Willd.) = *Dorycnium graecum*

Dorycnium pentaphyllum Scop.

{*Dorycnium suffruticosum* auct. non Vill.} = *Dorycnium pentaphyllum*

***Eremosparton aphyllum** (Pall.) Fisch. & C.A.Mey.

Note: Cultivated in Crimea.

[*Faba bona* Medik.] = *Vicia faba*

Galega officinalis L.

Genista albida Willd.

(*Genista albida* Willd. var. *pontica* Zelen.) = *Genista millii*

(*Genista borysthenica* Kotov) = *Genista sibirica*

Genista campestris Janka

Note: Reported from Transcarpathia.

Genista depressa M.Bieb.

(*Genista depressa* M.Bieb. var. *cretacea* Krjukova) = *Genista taurica*

Genista donetzica Kotov ~ *Genista tinctoria* s.l.

Genista elata (Moench) Wender. ~ *Genista tinctoria*

Genista germanica L.

Genista godefii Spach. ~ *Genista albida* s.l.

Genista juzepeczukii Tzvelev

(*Genista marginata* Besser) = *Genista tinctoria*

Genista millii Heldr. ex. Boiss.

Conservation status: IUCN RL (R).

(*Genista oligosperma* (Andrae) Simonk.) = *Genista rupestris*

?**Genista ovata** Waldst. & Kit.

Note: Reported from Transcarpathia; needs confirmation.

{*Genista pilosa* auct. non L.} = *Genista juzepeczukii*

(*Genista pontica* (Zelen.) Juz. 1951, non Spach 1845) = *Genista millii*

Genista rupestris Schur

[*Genista sagittalis* L.] = *Genistella sagittalis*

Genista scythica Pacz.

Conservation status: RDBU (3).

Genista sibirica L.

Genista tanaitica P.Smirn.

Conservation status: RDBU (3); IUCN RL (1); ERL (V).

Genista taurica Dubovik

Genista tetragona Besser

Conservation status: RDBU (1); IUCN RL (E); ERL (1).

Genista tinctoria L.

(*Genista tinctoria* L. var. *campestris* (Janka) Morariu) = *Genista campestris*

(*Genista tinctoria* L. var. *depressa* (M.Bieb.) Schmalh.) = *Genista depressa*

Genista verae Juz.

Note: Known only from Ayudag Mt, Crimea.

Genistella sagittalis (L.) Gams

Conservation status: RDBU (2).

(*Glycine hispida* (Moench) Maxim.) = *Glycine max*

***Glycine max** (L.) Merr.

{*Glycine soja* auct. non Siebold & Zucc.} = *Glycine max*

Glycyrrhiza echinata L.

Glycyrrhiza foetidissima Tausch

Glycyrrhiza glabra L.

(*Glycyrrhiza hirsuta* Pall.) = *Glycyrrhiza glabra*

(*Glycyrrhiza macedonica* Boiss. & Orph.) = *Glycyrrhiza foetidissima*

(*Goebelia alopecuroides* (L.) Bunge) = *Sophora alopecuroides*

(*Goebelia prodanii* (E.S.Anderson) Grossh.) = *Sophora alopecuroides* subsp. *jaubertii*

***Halimodendron halodendron** (Pall.) Voss

Hedysarum candidum M.Bieb.

Hedysarum cretaceum Fisch.

Conservation status: RDBU (1); IUCN RL (R); ERL (V).

Hedysarum grandiflorum Pall.

Hedysarum hedysaroides (L.) Schinz & Thell.

Conservation status: RDBU (1).

(*Hedysarum obscurum* L.) = *Hedysarum hedysaroides*

(*Hedysarum onobrychis* L.) = *Onobrychis viciifolia*

Hedysarum tauricum Pall. ex Willd.

Hedysarum ucrainicum Kaschm.

Conservation status: RDBU (1); IUCN RL (R); ERL (V).

Hippocrepis biflora Spreng.

Hippocrepis ciliata Willd.

Hippocrepis comosa L.

Conservation status: RDBU (3).

Hippocrepis emeroides (Boiss. & Spruner) Czerep.

{*Hippocrepis multisiliquosa* auct. non L.} = *Hippocrepis ciliata*

{*Hippocrepis unisiliquosa* auct. non L.} = *Hippocrepis biflora*

***Lablab purpureus** (L.) Sweet

***Laburnum alpinum** (Mill.) Bercht. & J.Presl

*!**Laburnum anagyroides** Medik.

Lathyrus aphaca L.

Lathyrus aureus (Steven) Brandza

(*Lathyrus austriacus* (Crantz) Wissjul.) = *Lathyrus pannonicus*

Lathyrus cicera L.

Lathyrus digitatus (M.Bieb.) Fiori

Lathyrus hirsutus L.

Lathyrus incurvus (Roth) Roth

Lathyrus lacaitae Czefr. ~ *Lathyrus pannonicus*

Lathyrus lacteus (M.Bieb.) Wissjul. ~ *Lathyrus pannonicus*

Lathyrus laevigatus (Waldst. & Kit.) Gren.

Lathyrus latifolius L.

Lathyrus laxiflorus (Desf.) O.Kuntze

(*Lathyrus megalanthus* Steud.) = *Lathyrus latifolius*

Lathyrus niger (L.) Bernh.

Lathyrus nissolia L.

***Lathyrus odoratus** L.

Lathyrus pallescens (M.Bieb.) K.Koch

Lathyrus palustris L.

Lathyrus pannonicus (Jacq.) Gareke

[*Lathyrus pannonicus* (Jacq.) Gareke subsp. *hispanicus* (Lacaita) Baessler] = *Lathyrus lacaitae*

[*Lathyrus pannonicus* (Jacq.) Gareke subsp. *collinus* (Ortmann) Soó] = *Lathyrus lacteus*

Lathyrus pisiformis L.

Lathyrus pratensis L.

Lathyrus rotundifolius Willd.

*!**Lathyrus sativus** L.

Lathyrus saxatilis (Vent.) Vis.

Lathyrus setifolius L.

Lathyrus sphaericus Retz.

(*Lathyrus subalpinus* (Herb.) G.Beck) = *Lathyrus laevigatus*

Lathyrus sylvestris L.

Lathyrus transsilvanicus (Spreng.) Rech.f.

Lathyrus tuberosus L.

Lathyrus undulatus Boiss.

Note: Reported from Crimea: needs confirmation.

(*Lathyrus variegatus* (Ten.) Gren. & Godr.) = *Lathyrus venetus*

Lathyrus venetus (Mill.) Wohlf.

Conservation status: RDBU (1).

Lathyrus vernus (L.) Bernh.

{*Lathyrus versicolor* auct. non (J.F.Gmel.) Beck} = *Lathyrus lacteus*

Lembotropis nigricans (L.) Griseb.

***Lens culinaris** Medik.

[*Lens culinaris* Medik. subsp. *orientalis* (Boiss.) Ponert] = *Lens orientalis*

Lens ervoides (Brign.) Grande

Lens nigricans (M.Bieb.) Webb & Berthel.

Lens orientalis (Boiss.) Schmalh.

Conservation status: RDBU (1).

***Lespedeza bicolor** Turcz.

Note: Other species are rarely cultivated in botanical gardens and parks: *L. crytobotrya* Miq., *L. sericea* Miq., *L. thunbergii* (DC.) Nakai.

Lotus alpicola (G.Beck) Miniaev, Ulle & Krytzka ~ *Lotus corniculatus* aggr.

Lotus ambiguus Besser ex Spreng. ~ *Lotus corniculatus* aggr.

Lotus angustissimus L.

(*Lotus angustissimus* L. var. *praetermissus* (Kuprian.) Wissjul.) = *Lotus praetermissus*

Lotus arvensis Pers. ~ *Lotus corniculatus* aggr.

{*Lotus caucasicus* auct. non Kuprian. ex Juz.} = *Lotus tauricus*

Lotus corniculatus L.

Note: Most of the Ukrainian representatives of the genus (except *L. angustissimus*, *L. praetermissus*, and *L. ornithopodioides*) belong to the *L. corniculatus* aggregate.

Lotus elisabethae Opperman & Wissjul. ~ *Lotus corniculatus* aggr.

Lotus frondosus (Freya) Kuprian. ~ *Lotus corniculatus* aggr.

Lotus olgae Klokov ~ *Lotus corniculatus* aggr.

Note: Probably a hybrid *L. ambiguus* × *L. ucrainicus*.

?**Lothus ornithopodioides** L.

Note: Records of this species from Crimea and Kherson region need confirmation.

Lotus praetermissus Kuprian. ~ *Lotus angustissimus*

Lotus tauricus Juz. ~ *Lotus corniculatus* aggr.

Lotus tenuis Waldst. & Kit. ex Willd. ~ *Lotus corniculatus* aggr.

Lotus ucrainicus Klokov ~ *Lotus corniculatus* aggr.

Lotus uliginosus Schkuhr ~ *Lotus corniculatus* aggr.

[*Lupinaster litwinowii* (Hjtin) Roskov] = *Trifolium litwinowii*

[*Lupinaster pentaphyllus* Moench] = *Trifolium lupinaster*

***Lupinus albus** L.

***Lupinus angustifolius** L.

{*Lupinus hirsutus* auct. non L.} = *Lupinus micranthus*

***Lupinus luteus** L.

***Lupinus micranthus** Guss.

***Lupinus perennis** L.

*!**Lupinus polyphyllus** Lindl.

Note: Only this species of *Lupinus* can be considered naturalized in Ukraine; other cultivated species rarely occur as escaped.

***Lupinus varius** L.

***Maackia amurensis** Rupr. & Maxim.

Medicago agrestis Ten.

Medicago arabica (L.) Huds.

(*Medicago cretacea* M.Bieb.) = *Melilotoides cretacea*

Medicago denticulata Willd.

(*Medicago erecta* Kotov, non Winterl.) = *Medicago romanica*

Medicago falcata L. aggr.

Note: This aggregate is represented in Ukraine by several "microspecies"

(*M. procumbens*, *M. romanica*, *M. tenderiensis*); their status as distinct species is problematic.

[*Medicago falcata* L. subsp. *romanica* (Prodán) Schwarz & Klinkovski] = *Medicago romanica*

Medicago glandulosa (Mert. & W.D.J.Koch) Davidov ~ **Medicago falcata** aggr.

Medicago glutinosa M.Bieb. ~ **Medicago falcata** aggr.

Note: Reported from Crimea.

(**Medicago kotovii** Wissjul., nom. inval.) = **Medicago romanica**

?**Medicago laciniata** L.

Medicago lupulina L.

(**Medicago marginata** Willd.) = **Medicago orbicularis**

Medicago marina L.

Conservation status: RDBU (1).

Medicago meyeri Grun

Medicago minima (L.) Bartal.

Medicago orbicularis (L.) Bartal.

?**Medicago polychroa** Grossh.

Note: The only record of this Caucasian species from Ukraine (Cherkassy region; cultivated or introduced ?) needs confirmation.

Medicago praecox DC.

(**Medicago procumbens** Besser) = **Medicago falcata**

Medicago rigidula (L.) All.

Medicago romanica Prodán ~ **Medicago falcata** aggr.

Medicago rupestris M.Bieb.

Conservation status: RDBU (3).

*!**Medicago sativa** L.

Note: A completely naturalized species.

Medicago saxatilis M.Bieb.

Conservation status: RDBU (1).

Medicago scutellat. (L.) Mill.

?**Medicago soleirolei** Duby

Note: Reported from Sevastopol, Crimea; no new records available.

Medicago tenderiensis Opperman ex Klokov ~ **Medicago romanica**

?**Medicago truncatula** Gaertn.

Note: reported from Crimea; needs confirmation.

Medicago × **varia** T.Martyn = **Medicago sativa** × **Medicago falcata**

Melilotoides cretacea (M.Bieb.) Soják

Melilotoides brachycarpa (Fisch.) Soják

Melilotus albus Medik.

Melilotus altissimus Thuill.

Melilotus arenarius Grecescu

(**Melilotus arvensis** Wallr.) = **Melilotus officinalis**

Melilotus dentatus (Waldst. & Kit.) Pers.

Melilotus indicus (L.) All.

Melilotus neapolitanus Ten.

Melilotus officinalis (L.) Pall.

(**Melilotus parviflorus** Desf.) = **Melilotus indicus**

?**Melilotus polonicus** (L.) Pall.

Note: Reported from Kherson region; probably a misidentification.

Melilotus tauricus (M.Bieb.) Ser.

(*Melilotus vulgaris* (Hayne) Willd.) = *Melilotus albus*

Melilotus wolgicus Poir.

(*Melissitus brachycarpus* (Fisch.) Latsch.) = *Melilotoides brachycarpa*

(*Melissitus cretaceus* (M.Bieb.) Latsch.) = *Melilotoides cretacea*

Onobrychis arenaria (Kit.) DC.

Note: Closely related to *O. gracilis*.

(*Onobrychis arenaria* (Kit.) DC. subsp. *miniata* (Steven) P.W.Ball) = *Onobrychis miniata*

Onobrychis borysthenica (Širj.) Klokov

Onobrychis gracilis Besser

Onobrychis inermis Steven

Onobrychis jailae Czernova

(*Onobrychis longiaculeata* (Pacz.) Wissjul., non Pau) = *Onobrychis paczoskiana*

Onobrychis miniata Steven

Onobrychis paczoskiana Krytzka ~ *Onobrychis gracilis* s.l.

Onobrychis pallasii (Willd.) M.Bieb.

Conservation status: RDBU (2); IUCN RL (R).

?**Onobrychis polonicus** (L.) Pall.

{*Onobrychis radiata* auct. non (Desf.) M.Bieb.} = *Onobrychis vassilczenkoi*

Onobrychis tanaitica Spreng.

Onobrychis tesquicola Krytzka

Onobrychis transcaucasica Grossh.

Onobrychis vassilczenkoi Grossh.

Conservation status. IUCN RL (R), as *Onobrychis radiata* s.l.

*!**Onobrychis viciifolia** Scop.

Note: Widely cultivated; locally naturalized.

{*Onobrychis viciifolia* auct. non Scop.} = *Onobrychis tanaitica*

Ononis arvensis L.

(*Ononis campestris* W.D.J.Koch & Ziz) = *Ononis spinosa*

(*Ononis intermedia* C.A.Mey. ex Rouy) = *Ononis arvensis*

Ononis leioperma Boiss.

?**Ononis procurrens** Wallr.

Ononis pusilla L.

[*Ononis repens* L. subsp. *procurrens* (Wallr.) Asch. & Graebn.] = *Ononis procurrens*

Ononis spinosa L. nom. conserv.

Ornithopus perpusillus L.

*!**Ornithopus sativus** Brot.

(*Ornithopus scorpioides* L.) = *Coronilla scorpioides*

(*Orobus aphaca* (L.) Döll) = *Lathyrus aphaca*
(*Orobus austriacus* Crantz) = *Lathyrus pannonicus*
{*Orobus lacteus* M.Bieb.) = *Lathyrus lacteus*
(*Orobus laevigatus* Waldst. & Kit.) = *Lathyrus laevigatus*
(*Orobus niger* L.) = *Lathyrus niger*
(*Orobus nissolia* (L.) Döll) = *Lathyrus nissolia*
(*Orobus palustris* (L.) Rechb.) = *Lathyrus palustris*
(*Orobus pannonicus* Jacq.) = *Lathyrus pannonicus*
(*Orobus pisiformis* (L.) Wender.) = *Lathyrus pisiformis*
(*Orobus pratensis* (L.) Döll) = *Lathyrus pratensis*
(*Orobus transsilvanicus* Spreng.) = *Lathyrus transsilvanicus*
(*Orobus venetus* Mill.) = *Lathyrus venetus*
(*Orobus vernus* L.) = *Lathyrus vernus*
{*Orobus versicolor* auct. non J.F.Gmel.} = *Lathyrus lacteus*

?*Oxytropis campestris* (L.) DC.

Note: Reported in literature for the Carpathians; no specimens available.

Oxytropis carpatica Uechtr.

Conservation status: RDBU (1).

?*Oxytropis halleri* Bunge ex W.D.J.Koch

Note: Reported for the Carpathians (Transcarpathia); needs confirmation.

[*Oxytropis montana* (L.) DC. subsp. *carpatica* (Uechtr.) Soó] = *Oxytropis carpatica*

Oxytropis pallasii Pers.

Oxytropis pilosa (L.) DC.

(*Oxytropis sericea* (Lam.) Simonk. 1886, non Nutt. ex Torr. & A.Gray 1838) = *Oxytropis halleri*

**Phaseolus acutifolius* A.Gray

(*Phaseolus aureus* Roxb.) = *Vigna radiata*

**Phaseolus coccineus* L.

(*Phaseolus esculentus* Salisb.) = *Phaseolus vulgaris*

(*Phaseolus multiflorus* Lam.) = *Phaseolus coccineus*

(*Phaseolus radiatus* L.) = *Vigna radiata*

**Phaseolus vulgaris* L.

Pisum arvense L.

Pisum elatius M.Bieb.

Conservation status: RDBU (3).

**Pisum sativum* L.

(*Pseudoacacia communis* Simonk.) = *Robinia pseudoacacia*

(*Pseudoacacia pseudoacacia* Borbás, nom. illeg.) = *Robinia pseudoacacia*

(*Pseudosophora alopecuroides* (L.) Sweet) = *Sophora alopecuroides*

[*Psoralea bituminosa* L.] = *Bituminaria bituminosa*

(*Pueraria hirsuta* (Thunb.) Matsum.) = *Pueraria lobata*

*!*Pueraria lobata* (Willd.) Ohwi

**Robinia* × *ambigua* Poir. = *Robinia pseudoacacia* × *Robinia viscosa*

(*Robinia caragana* L.) = *Caragana arborescens*

(*Robinia frutex* L.) = *Caragana frutex*

(*Robinia glutinosa* Sims.) = *Robinia viscosa*

**Robinia hispida* L.

(*Robinia luxurians* C.K.Schneid.) = *Robinia neomexicana*

**Robinia neomexicana* A.Gray

(*Robinia pseudacacia* L., ortho) = *Robinia pseudoacacia*

*!*Robinia pseudoacacia* L.

Note: A completely naturalized species; invasive in many regions of Ukraine.

(*Robinia rosea* Loisel.) = *Robinia hispida*

**Robinia viscosa* Vent.

Sarothamnus scoparius (L.) W.D.J.Koch

(*Scorpiurus minimus* Losinsk.) = *Scorpiurus muricatus*

Scorpiurus muricatus L.

(*Scorpiurus subvillosus* L.) = *Scorpiurus muricatus*

Securigera cretica (L.) Lassen

Securigera elegans (Pančić) Lassen

Conservation status: RDBU (2), as *Coronilla elegans*.

?*Securigera parviflora* (Willd.) Lassen

Note: Reported from Crimea as *Coronilla rostrata*; no locality information available.

Securigera securidaca (L.) Degen & Dörfel.

Securigera varia (L.) Lassen

(*Sesbania exaltata* (Raf.) Cory) = *Sesbania herbacea*

Sesbania herbacea (Mill.) McVaugh

Note: A rare casual alien recently collected in SE Ukraine by V. Tokhtar.

(*Soja hispida* Moench) = *Glycine max*

(*Soja soja* H.Karst., nom. illeg.) = *Glycine max*

Sophora alopecuroides L.

Conservation status: RDBU (3), as *Vexibia alopecuroides*, including *Sophora prodanii* (see below).

Sophora alopecuroides L. subsp. *jaubertii* (Spach) Borza

*!*Sophora japonica* L.

Note: Two other species, *S. flavescens* Sol. and *S. vicifolia* Hance, are rarely cultivated in botanical gardens.

(*Sophora jaubertii* Spach) = *Sophora alopecuroides* subsp. *jaubertii*
(*Sophora prodanii* E.S.Anderson) = *Sophora alopecuroides* subsp. *jaubertii*

(*Spartium aphyllum* Pall.) = *Eremosparton aphyllum*

***!Spartium junceum** L.

Note: Naturalized in Crimea.

[*Styphnolobium japonicum* (L.) Schott] = *Sophora japonica*

Tetragonolobus maritimus (L.) Roth.

Tetragonolobus purpureus Moench

(*Tetragonolobus siliquosus* (L.) Roth, nom. illeg.) = *Tetragonolobus maritimus*

(*Tragacantha arnacantha* (M.Bieb.) Steven) = *Astracantha arnacantha*

(*Trifolium agrarium* L., nom. utique rej. prop.) = *Trifolium aureum*

Trifolium alpestre L.

Trifolium ambiguum M.Bieb.

Trifolium angulatum Waldst. & Kit.

Trifolium angustifolium L.

Trifolium apterum Bobrov

Note: A Caucasian species recently reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Trifolium arvense L.

Trifolium aureum Pollich

Trifolium badium Schreb.

Trifolium bithynicum Boiss. ~ *Trifolium medium* s.l.

Note: Reported from Crimea, Ai-Petri yaila (specimens checked by Y. Roskov).

Trifolium bonnanii C.Presl ~ *Trifolium fragiferum* aggr.

Trifolium borysthenicum Grun.

Trifolium campestre Schreb.

Trifolium caucasicum Tausch

Trifolium diffusum Ehrh.

Trifolium dubium Sibth.

Trifolium echinatum M.Bieb.

Trifolium elegans Savi ~ *Trifolium hybridum*

Trifolium fragiferum L.

(*Trifolium glareosum* Schleich.) = *Trifolium pallescens*

Trifolium grandiflorum Willd.

Trifolium hirtum All.

Trifolium hybridum L.

[*Trifolium hybridum* L. subsp. *elegans* (Savi) Asch. & Graebn.] = *Trifolium elegans*

***!Trifolium incarnatum** L.

Trifolium lappaceum L.

Trifolium leucanthum M.Bieb.

?Trifolium litwinowii Iljin

Note: Reported from Uman' (Cherkassy region); needs confirmation.

Trifolium lupinaster L.

Trifolium medium L.

Trifolium molineri Balb. ex Hornem.

Trifolium montanum L.

(*Trifolium neglectum* C.A.Mey.) = *Trifolium bonnanii*

Trifolium ochroleucon Huds.

[*Trifolium orbelicum* Velen.] = *Trifolium repens* subsp. *orbelicum*

Trifolium pallescens Schreb. ~ *Trifolium repens* s.l.

Note: Reported from Transcarpathia (see Y. Roskov, 1990, Bot. Zhurn. 75(9): 1311).

Trifolium pannonicum Jacq.

(*Trifolium parviflorum* Ehrh.) = *Trifolium retusum*

Trifolium phleoides Pourr.

Trifolium pratense L.

Trifolium pratense L. subsp. *kotulae* (Pawl.) Soják

Note: Reported for the Carpathians (see Tassenkevich, 1998); no localities cited.

[*Trifolium pratense* L. subsp. *sativum* (Schreb.) Schuebl. & G.Martens] = *Trifolium sativum*

(*Trifolium pratense* L. var. *sativum* Schreb.) = *Trifolium sativum*

(*Trifolium procumbens* L., nom. utique rej. prop.) = *Trifolium campestre*

Trifolium repens L.

Trifolium repens L. subsp. *orbelicum* (Velen.) Pawl.

Note: Reported for the Carpathians by K. Malynovsky (see Tassenkevich, 1998).

Trifolium resupinatum L.

Trifolium retusum L.

Trifolium rubens L.

***!Trifolium sativum** (Schreb.) Crome

Trifolium scabrum L.

Trifolium spadicum L.

(*Trifolium speciosum* Willd.) = *Trifolium grandiflorum*

Trifolium squamosum L.

Trifolium squarrosum L.

(*Trifolium strepens* Crantz) = *Trifolium aureum*

Trifolium striatum L.

Trifolium subterraneum L.

(*Trifolium ucrainicum* Opperman ex Wissjul.) = *Trifolium arvense*

Trifolium vesiculosum Savi

Trigonella balansae Boiss. & Reuter

(*Trigonella besseriana* Ser.) = *Trigonella procumbens*

***!Trigonella caerulea** (L.) Ser.

Trigonella calliceras Fisch.

Trigonella coerulescens (M.Bieb.) Halacsy

[*Trigonella cretacea* (M.Bieb.) Taliev] = *Melilotoides cretacea*

Trigonella fischerana Ser.
 *!**Trigonella foenum-graecum** L.
Trigonella gladiata Steven ex M.Bieb.
Trigonella monspeliaca L.
Trigonella procumbens (Besser) Rechb. ~ **Trigonella caerulea** s.l.
Trigonella smyrnea Boiss. ~ **Trigonella strangulata** s.l.
 Conservation status: RDBU (5).
Trigonella spicata Sibth. & Smith
Trigonella spruneriana Boiss.
 {**Trigonella strangulata** auct. non Boiss.} = **Trigonella smyrnea** s.str.
Trigonella striata L.f.
 (**Trigonella tenuis** Fisch. ex M.Bieb.) = **Trigonella striata**
 {**Trigonella tortulosa** auct. non Griseb.} = **Trigonella spruneriana**

*!**Ulex europaeus** L. •

[Vexibia alopecuroides (L.) Jakovl.] = Sophora alopecuroides
[Vexibia alopecuroides (L.) Jakovl. subsp. jaubertii (Spach) Jakovl.] = Sophora
alopecuroides subsp. jaubertii

Vicia amhicarpa Dorthes

Note: See recent revision of *Vicia* in Ukraine (M. Fedoronchuk, 1997, Ukr. Bot. Zhurn. 53(5): 587-597).

Vicia anatolica Turrill

Vicia angustifolia Reichard

(**Vicia angustifolia** L., nom. nudum) = **Vicia angustifolia**

Vicia biebersteinii Besser ex M.Bieb. ~ **Vicia grandiflora** aggr.

Vicia biennis L.

Vicia bithynica (L.) L.

Vicia boissieri Freyn

Vicia cassubica L.

Vicia ciliatula Lipsky

Vicia cordata Wulfen ex Hoppe

Vicia cracca L.

{**Vicia dalmatica** auct. non A.Kern.} = **Vicia heracleotica**

{**Vicia dasycarpa** auct. non Ten.} = **Vicia varia**

Vicia dumetorum L.

{**Vicia elegans** auct. non Guss.} = **Vicia heracleotica**

Vicia ervilia (L.) Willd.

***Vicia faba** L.

(**Vicia glabrescens** (W.D.J.Koch) Heimerl) = **Vicia varia**

Vicia grandiflora Scop.

[**Vicia grandiflora** Scop. subsp. **sordida** (Waldst. & Kit.) Dostál] = **Vicia sordida**

Vicia heracleotica Juz.

Vicia hirsuta (L.) S.F.Gray

Vicia hybrida L.
Vicia incisa M.Bieb.
Vicia lathyroides L.
 [Vicia lathyroides L. subsp. olbiensis (Reut. ex Timb.-Lagr.) Borza & Nyár.] = Vicia olbiensis
 {Vicia laxiflora auct. non Brot.} = Vicia tenuissima
 (Vicia litvinovii Boriss.) = Vicia loiseleurii
Vicia loiseleurii (M.Bieb.) Litv.
Vicia lutea L.
 (Vicia meyeri Boiss.) = Vicia loiseleurii
Vicia narbonensis L.
Vicia olbiensis Reut. ex Timb.-Lagr.
Vicia pannonica Crantz
 [Vicia pannonica Crantz subsp. striata (M.Bieb.) Nyman] = Vicia striata
Vicia peregrina L.
 (Vicia picta Fisch. & C.A.Mey.) = Vicia biennis
Vicia pilosa M.Bieb.
Vicia pisiformis L.
 (Vicia pubescens Link.) = Vicia loiseleurii
Vicia sativa L.
Vicia segetalis Thuill.
Vicia sepium L.
Vicia sordida Waldst. & Kit. - Vicia grandiflora aggr.
Vicia striata M.Bieb.
Vicia sylvatica L.
Vicia tenuifolia Roth
Vicia tenuississima (M.Bieb.) Schinz. & Thell.
Vicia tetrasperma (L.) Schreb.
Vicia varia Host
Vicia villosa Roth
 [Vicia villosa Roth subsp. varia (Host) Corb.] = Vicia varia

***Vigna radiata** (L.) Wilczek
 ***Vigna unguiculata** (L.) Walp.
 (Vigna sinensis Endl.) = Vigna unguiculata

(Wisteria chinensis (Sims) Sweet, ortho) = Wisteria sinensis

***Wisteria sinensis** (Sims) Sweet

Note: Wisteria floribunda (Willd.) DC., W. frutescens (L.) Poir., and W. venusta Rehder & E.H.Wilson are occasionally cultivated, mostly in southern parts of Ukraine, especially in Crimea.

(Xanthobrychis pallasii (Willd.) Galushko) - Onobrychis pallasii

(Xanthobrychis vassilczenkoi (Grossh.) Galushko) - Onobrychis vassilczenkoi

FAMILY Fagaceae

**Castanea dentata* (Marshall) Borkh.

*!*Castanea sativa* Mill.

Note: Reported as escaped in Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

(*Fagus castanea* L.) = *Castanea sativa*

Fagus orientalis Lipsky

Fagus sylvatica L.

[*Fagus sylvatica* L. subsp. *moesiaca* (Maly) Hjelm.] = *Fagus* × *taurica* ?

[*Fagus sylvatica* L. subsp. *orientalis* (Lipsky) Greuter & Burdet] = *Fagus orientalis*

Fagus × *taurica* Popl. = *Fagus orientalis* × *Fagus sylvatica*

Note: Taxonomic problems posed by the Crimean beech are still unresolved. The occurrence of *F. orientalis* s.str. in Crimea needs confirmation.

(*Quercus austriaca* Willd.) = *Quercus cerris*

(*Quercus borealis* Michx.) = *Quercus rubra*

{*Quercus calcarea* auct. non Gand.} = *Quercus daleschampii*

Quercus cerris L.

Conservation status: RDBU (1), as *Quercus austriaca*.

**Quercus coccinea* Moench

Quercus dalechampii Ten.

(*Quercus iberica* Steven var. *polycarpa* (Schur) Zohary) = *Quercus polycarpa*

*!*Quercus ilex* L.

Note: Reported as a locally naturalized species in Crimea.

(*Quercus lanuginosa* Thuill.) = *Quercus pubescens*

**Quercus macranthera* Fisch. & C.A.Mey. ex Hohen.

**Quercus macrocarpa* Michx.

*!*Quercus palustris* Moench

(*Quercus pedunculata* Ehrh.) = *Quercus robur*

Quercus petraea Liebl.

(*Quercus petraea* Liebl. subsp. *medwediewii* (A.Camus) Menitsky) = *Quercus daleschampii*

[*Quercus petraea* (Matt.) Liebl. subsp. *daleschampii* (Ten.) Soó] = *Quercus dalechampii*

[*Quercus petraea* (Matt.) Liebl. subsp. *polycarpa* (Schur) Soó] = *Quercus polycarpa*

Quercus polycarpa Schur = *Quercus petraea*

Quercus pubescens Willd., nom. cons. prop.

Quercus robur L.

*!*Quercus rubra* L.

Note: A naturalized and rather invasive species, at least in some regions of Ukraine (Kiev, etc.).

(*Quercus sessiliflora* Salisb.) = *Quercus petraea*

(*Quercus sessiflora* Ehrh.) = *Quercus petraea*

**Quercus suber* L.

Note: In addition to the taxa listed above, ca. 35-40 species of *Quercus* are cultivated in botanical gardens, arboreta and parks.

FAMILY Frankeniaceae

Frankenia hirsuta L.

(*Frankenia hispida* DC.) = *Frankenia hirsuta*

(*Frankenia intermedia* DC.) = *Frankenia hirsuta*

Frankenia pulverulenta L.

Conservation status: IUCN RL (R).

FAMILY Fumariaceae

{*Corydalis alba* auct. non (Mill.) Mansf } = *Corydalis capnoides*

(*Corydalis bulbosa* (L.) DC., nom. utique rej.) = *Corydalis solida*

(*Corydalis bulbosa* (L.) DC. subsp. *marschalliana* (Pers.) Chater, comb. inval.) = *Corydalis marschalliana*

Corydalis capnoides (L.) Pers.

Corydalis cava (L.) Schweigg. & Körte

(*Corydalis cava* (L.) Schweigg. & Körte subsp. *marschalliana* (Pall. ex Willd) Hayek) =
Corydalis marschalliana

(*Corydalis fabacea* Pers., nom. illeg.) = *Corydalis intermedia*

(*Corydalis halleri* (Willd.) Willd.) = *Corydalis solida*

Corydalis intermedia (L.) Méral

Corydalis lutea (L.) DC. in Lam. & DC.

Note: Recently reported for the Carpathians by Y. Pekar (1996, *Naukov. Visnyk Uzhgorod. Univ., Ser. Biol.* 3: 24-26); no data on distribution available

Corydalis marschalliana (Pall. ex Willd.) Pers.

Corydalis paczoskii N. Busch

Corydalis pumila (Host) Rechb.

Note: Reported for the Carpathians by Y. Pekar (1996, l.c.); no distribution data provided.

Corydalis solida (L.) Clairv.

****Dicentra spectabilis*** (L.) Lem.

(*Fumaria anatolica* Boiss.) = *Fumaria kralikii*

(*Fumaria alba* Mill.) = *Corydalis capnoides*

(*Fumaria bulbosa* L., nom. utique rej.) = *Corydalis solida*

(*Fumaria bulbosa* L. var. *cava* L.) = *Corydalis cava*

(*Fumaria bulbosa* L. var. *intermedia* L.) = *Corydalis intermedia*

(*Fumaria bulbosa* L. var. *solida* L.) = *Corydalis solida*

(*Fumaria cava* (L.) Mill.) = *Corydalis cava*

(*Fumaria fabacea* Retz., nom. illeg.) = *Corydalis intermedia*

(*Fumaria halleri* Willd.) = *Corydalis solida*

(*Fumaria intermedia* (L.) Ehrh.) = *Corydalis intermedia*

Fumaria kralikii Jord.

(*Fumaria marschalliana* Pall., nom. nud.) = *Corydalis marschalliana*

(*Fumaria marschalliana* Pall. ex Willd.) = *Corydalis marschalliana*

***Fumaria officinalis* L.**

***Fumaria parviflora* Lam.**

(*Fumaria pumila* Host) = *Corydalis pumila*

***Fumaria rostellata* Knaf**

***Fumaria schleicheri* Soy.-Willem.**

(*Fumaria solida* (L.) Mill.) = *Corydalis solida*

***Fumaria vaillantii* Loisel.**

(*Pistolochia cava* (L.) Bernh.) = *Corydalis cava*

(*Pistolochia intermedia* (L.) Bernh.) = *Coridalis intermedia*

(*Pistolochia paczoskii* (N.Busch) Soják) = *Corydalis paczoskii*

(*Pistolochia bulbosa* (L.) Soják) = *Corydalis bulbosa*

(*Pistolochia solida* (L.) Bernh.) = *Coridalis bulbosa*

(*Pistolochia bulbosa* (L.) Soják subsp. *marschalliana* (Pall.) Soják, comb. inval.) =
Corydalis marschalliana

(*Pistolochia marschalliana* (Pall.) Holub) = *Corydalis marschalliana*

[*Pseudofumaria lutea* (L.) Borkh.] = *Corydalis lutea*

FAMILY Gentianaceae

***Blackstonia acuminata* (W.D.J.Koch & Ziz) Domin**

***Blackstonia perfoliata* (L.) Huds.**

(*Calathiana nivalis* (L.) Delarbre) = *Gentiana nivalis*

(*Calathiana verna* (L.) Holub) = *Gentiana verna*

***Centaurium anatolicum* (K.Koch) Tzvelev**

***Centaurium erythraea* Rafn**

(*Centaurium erythraea* Rafn subsp. *austriacum* (Ronn) Holub) = *Centaurium erythraea*

?***Centaurium erythraea* Rafn subsp. *ruthenicum* (Velen.) Melderis**

(*Centaurium erythraea* Rafn subsp. *turcicum* (Velen.) Melderis) = *Centaurium anatolicum*

***Centaurium littorale* (D.Turner) Gilmour**

(*Centaurium littorale* (D.Turner) Gilmour subsp. *uliginosum* (Waldst. & Kit.) Rothm. ex
Melderis) = *Centaurium uliginosum*

***Centaurium meyeri* (Bunge) Druce**

(*Centaurium minus* Moench, nom. utique rej.) = *Centaurium littorale*

{*Centaurium minus* auct. non Moench} = *Centaurium erythraea*

(*Centaurium minus* Moench subsp. *austriacum* (Ronniger) O.Schwarz) = *Centaurium
erythraea*

(*Centaurium minus* Moench subsp. *turcicum* (Velen.) Soó) = *Centaurium anatolicum*

***Centaurium pulchellum* (Sw.) Druce**

[*Centaurium pulchellum* (Sw.) Druce subsp. *meyeri* (Bunge) Tzvelev] = *Centaurium
meyeri*

Centaurium spicatum (L.) Fritsch

Centaurium tenuiflorum (Hoffm. & Link) Fritsch

(*Centaurium turcicum* (Velen.) Bornm.) = *Centaurium anatolicum*

Centaurium uliginosum (Waldst. & Kit.) G.Beck ex Romniger

(*Centaurium vulgare* Rafn, nom. illeg.) = *Centaurium littorale*

(*Centaurium vulgare* Rafn subsp. *uliginosum* (Waldst. & Kit.) Soó) = *Centaurium uliginosum*

(*Dasystephana asclepiadea* (L.) Borkh.) = *Gentiana asclepiadea*

(*Dasystephana pneumonanthe* (L.) Soják) = *Gentiana pneumonanthe*

(*Ericoila acaulis* (L.) A.Löve & D.Löve) = *Gentiana acaulis*

Gentiana acaulis L.

Conservation status: RDBU (1).

[*Gentiana amarella* L.] = *Gentianella amarella*

Gentiana asclepiadea L.

(*Gentiana axillaris* (F.W.Schmidt) Rechb.) = *Gentianella amarella*

(*Gentiana bucovinensis* Herbich) = *Gentiana utriculosa*

(*Gentiana carpatica* Wettst., nom. illeg.) = *Gentianella carpatica*

(*Gentiana carpaticola* Borbás) = *Gentianella carpatica*

[*Gentiana ciliata* L.] = *Gentianopsis ciliata*

Gentiana elusii Perrier & Sonjeon

Gentiana cruciata L.

(*Gentiana excisa* C.Presl) = *Gentiana acaulis*

?*Gentiana* × *doerfleri* Romniger = *Gentiana lutea* × *Gentiana punctata*

?*Gentiana frigida* Haenke

Note: Reported for the Carpathians; needs confirmation

Gentiana laciniata Kit. ex Kanitz

Conservation status: RDBU (1).

[*Gentiana lingulata* Agardh] = *Gentianella lingulata*

Gentiana lutea L.

Conservation status: RDBU (2).

[*Gentiana lutescens* Velen.] = *Gentianella lutescens*

Gentiana nivalis L.

Note: Reported for the Carpathians; needs confirmation.

Gentiana pneumonanthe L.

{*Gentiana praecox* auct. non A.Kern. & J.Kern.} = *Gentianella lutescens*

Gentiana punctata L.

Conservation status: RDBU (2).

{*Gentiana pyrenaica* auct. non L.} = *Gentiana laciniata*

Gentiana utriculosa L.

Note: Reported for the Carpathians; recently confirmed.

Gentiana verna L.

Conservation status: RDBU (1).

Gentianella amarella (L.) Börner
[*Gentianella amarella* (L.) Börner subsp. *lingulata* (Agardh) Holub] = *Gentianella lingulata*
(*Gentianella axillaris* (F.W.Schmidt) A.Löve & D.Löve) = *Gentianella amarella*
Gentianella carpatica Börner
(*Gentianella ciliata* (L.) Borkh.) = *Gentianopsis ciliata*
Gentianella lingulata (Agardh) Pritchard
Gentianella lutescens (Velen.) Holub
(*Gentianella lutescens* (Velen.) Holub subsp. *carpatica* Holub) = *Gentianella carpatica*

Gentianopsis ciliata (L.) Ma Yu-Chuan

Swertia alpestris Baumg.

Conservation status: RDBU (I).

Swertia perennis L.

Conservation status: RDBU (I).

[*Swertia perennis* L. subsp. *alpestris* (Baumg.) Domin & Podp.] = *Swertia alpestris*

Swertia punctata Baumg.

FAMILY Geraniaceae

Erodium beketowii Schmalh.

Conservation status: RDBU (I); IUCN RL (E); ERL (I).

Erodium cyconium (L.) L'Her.

Erodium cyconioides Tzvelev

Erodium cicutarium (L.) L'Her.

(*Erodium hoefftianum* C.A.Mey.) = *Erodium neilreichii*

Erodium malacoides (L.) L'Her.

(*Erodium multicaule* Link) = *Erodium ruthenicum*

Erodium neilreichii Janka

Erodium ruthenicum M.Bieb.

(*Erodium serotinum* Steven) = *Erodium ruthenicum*

Geranium alpestre Schur

Geranium asphodeloides Burm.f.

Geranium bohemicum L.

(*Geranium cicutarium* L.) = *Erodium cicutarium*

Geranium collinum Stephan

Geranium columbinum L.

(*Geranium cyconium* L.) = *Erodium cyconium*

Geranium dissectum L.

Geranium divaricatum Ehrh.

Geranium linearilobum DC.

(*Geranium londesii* Fisch. ex Link) = *Geranium collinum*

Geranium lucidum L.

- *!Geranium macrorrhizum** L.
Geranium macrostylum Boiss.
(Geranium malacoides L.) = Erodium malacoides
Geranium molle L.
Geranium nepalense Sweet
Geranium palustre L.
Geranium phaeum L.
Geranium pratense L.
Geranium purpureum Vill.
Geranium pusillum L.
Geranium pyrenaicum Burm.f.
Geranium robertianum L.
(Geranium robertianum L. var. purpureum (Vill.) DC.) = Geranium purpureum
[Geranium robertianum L. subsp. purpureum (Vill.) Schmalh.] = Geranium purpureum
Geranium rotundifolium L.
Geranium sanguineum L.
Geranium sibiricum L.
Geranium sibiricum L. subsp. *popovii* Tzvelev
Geranium sylvaticum L.
[Geranium sylvaticum L. subsp. alpestre (Schur) Domin & Podp.] = Geranium alpestre
(Geranium tauricum Rupr.) = Geranium asphodeloides
Geranium tuberosum L.
[Geranium tuberosum L. subsp. linearilobum (DC.) Schmalh.] = Geranium linearilobum
?Geranium uralense Kuvajev = Geranium sylvaticum
Note: Geranium uralense (V. Kuvajev, 1990, Novitates Systematicae Plantarum Vascularium (Leningrad) 27: 102-103) is very close to, or probably even conspecific with, G. sylvaticum. Reported from Kremenets, W Ukraine (N. Tsvelev, 1996, Fl. Europae Orientalis 9: 376).
- *Pelargonium radula** (Cav.) L'Her.
***Pelargonium zonale** (L.) L'Her.

FAMILY Globulariaceae

- Globularia trichosantha** Fisch. & C.A.Mey.
Conservation status: RDBU (3).
{Globularia vulgaris auct. non L.} = Globularia trichosantha

FAMILY Grossulariaceae

- [Grossularia reclinata (L.) Mill.] = Grossularia uva-crispa subsp. reclinata
Grossularia uva-crispa (L.) Mill.
***!Grossularia uva-crispa** (L.) Mill. subsp. *reclinata* (L.) Dostál

Ribes alpinum L. s.l.

Note: See also R. lucidum (most probably a synonym of R. alpinum)

(*Ribes alpinum* L. subsp. *lucidum* (Kit.) Pawl., nom. inval.) = *Ribes lucidum*

[*Ribes alpinum* L. subsp. *lucidum* (Kit.) Soják] = *Ribes lucidum*

****Ribes aureum*** Pursh

Ribes carpaticum Kit. ~ *Ribes petraeum*

(*Ribes domesticum* (Wallr.) Jancz.) = *Ribes rubrum*

(*Ribes grossularia* L.) = *Grossularia uva-crispa* s.l.

Ribes lucidum Kit. ~ *Ribes alpinum*

Ribes nigrum L.

****Ribes odoratum*** Wendl.

Ribes petraeum Wulfen s.l.

Note: See also *R. carpaticum*, which is probably conspecific with *R. petraeum*.

(*Ribes pubescens* (Hartmann) T.Hedl.) = *Ribes spicatum*

(*Ribes reclinatum* L.) = *Grossularia uva-crispa* subsp. *reclinata*

****Ribes rubrum*** L.

****Ribes sanguineum*** Pursh

Note: In addition to cultivated species mentioned above, ca. 15 species are cultivated in botanical gardens and parks.

(*Ribes sativum* Syme) = *Ribes rubrum*

(*Ribes sylvestre* (Lam.) Mert. & W.D.J.Koch) = *Ribes rubrum*

Ribes spicatum Robson ~ *Ribes rubrum* aggr.

[*Ribes uva-crispa* L.] = *Grossularia uva-crispa*

(*Ribes vulgare* Lam. nom illeg.) = *Ribes rubrum*

FAMILY (Guttiferae) = Clusiaceae

FAMILY Haloragaceae

Myriophyllum alterniflorum DC.

(*Myriophyllum exalbescens* Fernald) = *Myriophyllum sibiricum*

Myriophyllum sibiricum Kom.

Myriophyllum spicatum L.

(*Myriophyllum spicatum* L. subsp. *exalbescens* (Fernald) Hultén) = *Myriophyllum sibiricum*

Myriophyllum verticillatum L.

[*Myriophyllum verticillatum* L. subsp. *sibiricum* Kom.] = *Myriophyllum sibiricum*

FAMILY Hamamelidaceae

****Hamamelis japonica*** Siebold & Zucc.

****Hamamelis virginiana*** L.

Note: Another North American species, *H. vernalis* Sarg., is infrequently cultivated in botanical gardens.

(*Liquidambar gummifera* Salisb.) = *Liquidambar styraciflua*

****Liquidambar styraciflua*** L.

**Parrotia persica* (DC.) C.A.Mey.

FAMILY (Heliotropiaceae) = Boraginaceae

FAMILY Hippocastanaceae

**Aesculus* × *carnea* Hayne = *Aesculus hippocastanum* × *Aesculus pavia*

**Aesculus glabra* Willd.

*!*Aesculus hippocastanum* L.

**Aesculus* × *hybrida* DC. = *Aesculus octandra* × *Aesculus pavia*

**Aesculus octandra* Marshall

**Aesculus parviflora* Walter

**Aesculus pavia* L.

Note: At least three other species were reported as rarely cultivated in botanical gardens and parks.

FAMILY Hippuridaceae

Hippuris vulgaris L.

FAMILY Hydrangeaceae

**Deutzia scabra* Thunb.

Note: Several other species are cultivated in botanical gardens.

**Hydrangea macrophylla* (Thunb.) Ser.

Note: Several other species are cultivated in botanical gardens and parks.

**Philadelphus coronarius* L.

(*Philadelphus latifolius* Schrad. ex DC.) = *Philadelphus pubescens*

**Philadelphus microphyllus* Gray

**Philadelphus pubescens* Loisel.

**Philadelphus tenuifolius* Rupr. & Maxim.

Note: Several other species are rarely cultivated in botanical gardens.

FAMILY Hydrophyllaceae

*!*Phacelia tanacetifolia* Benth.

FAMILY Hypecoaceae

Hypecoum pendulum L.

Hypecoum procumbens L.

Note: A rare casual alien collected in 1994-1996 in Odessa (T. Vasilieva, in press).

FAMILY (Hypericaceae) = Clusiaceae

FAMILY Juglandaceae

(*Carya alba* (L.) K.Koch, nom. ambig.) = *Carya ovata*

**Carya cordiformis* (Wangenh.) K.Koch

**Carya glabra* (Mill.) Sweet

**Carya illinoensis* (Wangenh.) K.Koch

Note: The most widespread species of *Carya* cultivated in Ukraine. Other species are grown mostly in botanical gardens and arboreta.

(*Carya illinoensis* (Wangenh.) K.Koch, ortho) = *Carya illinoensis*

**Carya laciniosa* (F.Michx.) Loudon

(*Carya ovalis* (Wangenh.) Sarg.) = *Carya glabra*

**Carya ovata* (Mill.) K.Koch

(*Carya pecan* (Marshall) Engl. & Graebn.) = *Carya illinoensis*

(*Hicoria pecan* (Marshall) Britton) = *Carya illinoensis*

**Juglans cinerea* L.

**Juglans mandshurica* Maxim.

**Juglans nigra* L.

*!*Juglans regia* L.

Note: At least 6-7 other species of *Juglans* occur in botanical gardens, parks and arboreta.

(*Pterocarya fraxinifolia* (Poir.) Spach) = *Pterocarya pterocarpa*

**Pterocarya pterocarpa* (Michx.) Kunth ex Iljinsk.

Note: Three other species of *Pterocarya* are cultivated in botanical gardens and arboreta.

FAMILY Lamiaceae

Acinos alpinus (L.) Moench

(*Acinos alpinus* (L.) Moench subsp. *baumgartenii* (Simonk.) Pawł.) = *Acinos alpinus*

Acinos arvensis (Lam.) Dandy

(*Acinos arvensis* (Lam.) Dandy subsp. *eglandulosus* (Klokov) Pawł.) = *Acinos villosus*

(*Acinos arvensis* (Lam.) Dandy subsp. *villosus* (Pers.) Soják) = *Acinos villosus*

(*Acinos baumgartenii* (Simonk.) Klokov) = *Acinos alpinus*

(*Acinos eglandulosus* Klokov) = *Acinos villosus*

(*Acinos fominii* Des.-Shost.) = *Acinos rotundifolius*

(*Acinos graveolens* (M.Bieb.) Link) = *Acinos rotundifolius*

(*Acinos infectus* Klokov) = *Acinos rotundifolius*

Acinos rotundifolius Pers.

(*Acinos schizodontus* Klokov) = *Acinos arvensis*

(*Acinos subcrispus* Klokov) = *Acinos rotundifolius*

(*Acinos thymiodes* Moench) = *Acinos arvensis*

Acinos villosus Pers.

(*Acinos vulgaris* Pers.) = *Acinos arven* = *Calamintha menthifolia*
***Calamintha parviflora* Lam.**
{*Calamintha sylvatica* auct. non Bromf.} = *Calamintha menthifolia*
(*Calamintha vulgaris* (L.) Halacsy) = *Clinopodium vulgare* sis

***Ajuga chamaepitys* (L.) Schreb.**
***Ajuga chia* Schreb.**
{*Ajuga chia* auct. non Schreb.} = *Ajuga mollis*
(*Ajuga chamaepitys* (L.) Schreb. subsp. *chia* (Schreb.) Arcang.) = *Ajuga chia*
***Ajuga genevensis* L.**
Ajuga glabra* C.Presl ~ *Ajuga chia
***Ajuga laxmannii* (L.) Benth.**
Ajuga mollis* Gladkova ~ *Ajuga chia
***Ajuga orientalis* L.**
(*Ajuga pseudochia* Des.-Shost.) = *Ajuga glabra*
***Ajuga pyramidalis* L.**
***Ajuga reptans* L.**
***Ajuga salicifolia* (L.) Schreb.**

(*Ballota borealis* Schweigg.) = *Ballota nigra*
(*Ballota foetida* Lam., nom. illeg.) = *Ballota nigra* subsp. *meridionalis*
***Ballota nigra* L.**
***Ballota nigra* L. subsp. *meridionalis* (Beg.) Beg.**
(*Ballota nigra* L. subsp. *foetida* (Vis.) Hayek) = *Ballota nigra* subsp. *meridionalis*
(*Ballota nigra* L. subsp. *ruderalis* (Sw.) Briq.) = *Ballota nigra*
(*Ballota ruderalis* Sw.) = *Ballota nigra*
Ballota longicalyx* Klokov ~ *Ballota nigra

(*Betonica brachyodonta* Klokov) = *Betonica officinalis*
(*Betonica fusca* Klokov) = *Betonica officinalis*
***Betonica officinalis* L.**
(*Betonica peraucta* Klokov) = *Betonica officinalis*

(*Calamintha acinos* (L.) Clairv.) = *Acinos arvensis*
(*Calamintha alpina* (L.) Lam.) = *Acinos alpinus*
(*Calamintha arvensis* Lam.) = *Acinos arvensis*
(*Calamintha clinopodium* Benth.) = *Clinopodium vulgare*
***Calamintha grandiflora* (L.) Moench**
(*Calamintha largiflora* Klokov) = *Calamintha nepeta*
(*Calamintha macra* Klokov) = *Calamintha parviflora*
***Calamintha menthifolia* Host**
***Calamintha nepeta* (L.) Savi**
(*Calamintha nepeta* (L.) Savi subsp. *glandulosa* (Req.) P.W.Ball) = *Calamintha parviflora*
{*Calamintha officinalis* auct. non Moench} = *Calamintha menthifolia*
***Calamintha parviflora* Lam.**
{*Calamintha sylvatica* auct. non Bromf.} = *Calamintha menthifolia*
(*Calamintha vulgaris* (L.) Halacsy) = *Clinopodium vulgare*

Chaiturus marrubiastrum (L.) Rehb.

(*Chamaepitys chia* (Schreb.) Holub) = *Ajuga chia*

(*Chamaepitys glabra* (C.Presl) Holub) = *Ajuga glabra*

(*Chamaepitys mollis* (Gladkova) Holub) = *Ajuga mollis*

Clinopodium vulgare L.

(*Dalanum ladanum* (L.) Dostál) = *Galeopsis ladanum*

Dracocephalum austriacum L.

Conservation status: RDBU (3).

*!**Dracocephalum moldavica** L.

Dracocephalum ruyschiana L.

Dracocephalum thymiflorum L.

Elsholtzia ciliata (Thunb.) Hyl.

Note: Often misspelt as "Elscholzia".

(*Elsholtzia patrinii* (Lepech.) Gareke) = *Elsholtzia ciliata*

[*Galeobdolon luteum* Huds.] = *Lamium galeobdolon*

[*Galeobdolon luteum* Huds. subsp. *montanum* (Pers.) R.Mill] = *Lamium montanum*

[*Galeobdolon montanum* (Pers.) Rehb.] = *Lamium montanum*

Galeopsis bifida Boenn.

(*Galeopsis flavescens* Borbás) = *Galeopsis speciosa*

(*Galeopsis galeobdolon* L.) = *Lamium galeobdolon*

(*Galeopsis intermedia* Vill.) = *Galeopsis ladanum*

Galeopsis ladanum L.

(*Galeopsis neglecta* Schult.) = *Galeopsis tetrahit*

Galeopsis pubescens Besser

Galeopsis speciosa Mill.

Galeopsis tetrahit L.

(*Galeopsis tetrahit* L. subsp. *bifida* (Boenn.) Fr.) = *Galeopsis bifida*

(*Galeopsis versicolor* Curtis, non Spenner) = *Galeopsis speciosa*

(*Galeopsis versicolor* Spenner) = *Galeopsis pubescens*

Glechoma hederacea L.

Glechoma hirsuta Waldst. & Kit.

Glechoma × **pannonica** Borbás = *Glechoma hederacea* × *Glechoma hirsuta*

Hyssopus cretaceus Dubjan.

Conservation status: RDBU (3); ERL (1).

*!**Hyssopus officinalis** L.

*!**Lallemantia iberica** (M.Bieb.) Fisch. & C.A.Mey.

(*Lamiastrum galeobdolon* (L.) Ehrend. & Polatschek) = *Lamium galeobdolon*
(*Lamiastrum galeobdolon* (L.) Ehrend. & Polatschek subsp. *montanum* (Pers.) Ehrend. & Polatschek) = *Lamium montanum*
(*Lamiastrum montanum* (Pers.) Ehrend.) = *Lamium montanum*

(*Lamiopsis amplexicaulis* (L.) Opiz) = *Lamium amplexicaule*

***Lamium album* L.**

***Lamium amplexicaule* L.**

***Lamium cupreum* Schott** ~ *Lamium maculatum*

(*Lamium dumeticola* Klokov) = *Lamium album*

***Lamium galeobdolon* (L.) L.**

Note: The *Lamium galeobdolon* aggregate is a polyploid complex represented by several "narrow" species or subspecies; distribution of these taxa in Ukraine is insufficiently known.

[*Lamium galeobdolon* (L.) L. subsp. *montanum* (Pers.) Hayek] = *Lamium montanum*

***Lamium glaberrimum* (K.Koch) Taliev**

Conservation status: RDBU (4); IUCN RL (R); ERL (R).

{*Lamium laevigatum* auct. non L.} = *Lamium maculatum*

(*Lamium luteum* (Huds.) Krock.) = *Lamium galeobdolon*

***Lamium maculatum* (L.) L.**

[*Lamium maculatum* (L.) L. subsp. *cupreum* (Schott) Hadač] = *Lamium cupreum*

***Lamium montanum* (Pers.) Hoffm. ex Kabath** ~ *Lamium galeobdolon* s.l.

?***Lamium orvala* L.**

Note: Old records of this species from Ukraine need confirmation.

***Lamium paczoskianum* Worosch.**

(*Lamium paczoskianum* Worosch. subsp. *orientale* (Pacz.) P.W. Ball) = *Lamium paczoskianum*

***Lamium purpureum* L.**

(*Lamium stepposum* Kossko ex Klokov) = *Lamium amplexicaule*

*!***Lavandula angustifolia* Mill.**

Note: Reported as escaped in Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

(*Lavandula spica* L., nom. ambiq.) = *Lavandula angustifolia*

(*Lavandula vera* DC.) = *Lavandula angustifolia*

(*Leonurus canescens* Dumort.) = *Leonurus villosus*

***Leonurus cardiaca* L.**

[*Leonurus cardiaca* L. subsp. *villosus* (Desf. ex D'Urv.) Hyl.] = *Leonurus villosus*

***Leonurus glaucescens* Bunge**

[*Leonurus marrubiastrum* L.] = *Chaiturus marrubiastrum*

(*Leonurus neglectus* Schrank) = *Leonurus villosus*

(*Leonurus quinquelobatus* Gilib. ex Usteri, nom. illeg.) = *Leonurus villosus*

***Leonurus villosus* Desf. ex D'Urv.**

Lycopus europaeus L.

Lycopus exaltatus L.f.

**Majorana hortensis* Moench

(*Marrubium cive* Klokov) = *Marrubium peregrinum*

?*Marrubium leonuroides* Desr.

Note: Reported from Crimea (mislabelled specimens ?); needs confirmation.

Marrubium peregrinum L.

{*Marrubium pestalozzae* auct. non Boiss.} = *Marrubium praecox*

Marrubium praecox Janka

Marrubium vulgare L.

Melissa altissima Sibth. & Smith = *Melissa officinalis*

(*Melissa bicornis* Klokov) = *Melissa altissima*

(*Melissa grandiflora* L.) = *Calamintha grandiflora*

*!*Melissa officinalis* L.

[*Melissa officinalis* L. subsp. *altissima* (Sibth. & Smith) Arcang.] = *Melissa altissima*

Melittis carpatica Klokov = *Melittis melissophyllum* aggr.

(*Melittis carpatica* Klokov var. *sarmatica* (Klokov) Soó) = *Melittis sarmatica*

{*Melittis melissophyllum* auct. non L.} = *Melittis carpatica* & *Melittis sarmatica*

[*Melittis melissophyllum* L. subsp. *carpatica* (Klokov) P.W.Ball] = *Melittis carpatica*

(*Melittis melissophyllum* L. var. *carpatica* (Klokov) Soó & Borsos) = *Melittis carpatica*

[*Melittis melissophyllum* L. subsp. *sarmatica* (Klokov) Gladkova] = *Melittis sarmatica*

(*Melittis melissophyllum* L. var. *sarmatica* (Klokov) Soó & Borsos) = *Melittis sarmatica*

Melittis sarmatica Klokov = *Melittis melissophyllum* aggr.

Mentha aquatica L.

Mentha arvensis L.

(*Mentha crispa* L. p.p.) = *Mentha* × *piperita* & *Mentha spicata*

Mentha × *dalmatica* Tausch = *Mentha arvensis* × *Mentha longifolia*

Mentha × *dumetorum* Schult. = *Mentha aquatica* × *Mentha longifolia*

(*Mentha gentilis* L.) = *Mentha arvensis*

{*Mentha gentilis* auct. non L.} = *Mentha* × *dalmatica*

**Mentha* × *gracilis* Sole = *Mentha arvensis* × *Mentha spicata*

Mentha longifolia (L.) Huds.

Mentha micrantha (Fisch. & Benth.) Litv.

(*Mentha* × *niliaca* Juss. ex Jacq.) = *Mentha* × *rotundifolia*

*!*Mentha* × *piperita* L. = *Mentha aquatica* × *Mentha spicata*

Mentha pulegium L.

**Mentha* × *rotundifolia* (L.) Huds. = *Mentha longifolia* × *Mentha suaveolens*

{*Mentha* × *rotundifolia* auct. non (L.) Huds.} = *Mentha suaveolens*

*!*Mentha spicata* L.

**Mentha suaveolens* Ehrh.

***Mentha ucrainica** Klokov ~ *Mentha aquatica*
Mentha × verticillata L. = *Mentha aquatica* × *Mentha arvensis*
(*Mentha viridis* (L.) L.) = *Mentha spicata*

Micromeria serpyllifolia (M.Bieb.) Boiss.

Conservation status: RDBU (I); IUCN RL (R); ERL (R).
[*Micromeria fruticosa* (L.) Druce subsp. *serpyllifolia* (M.Bieb.) P.H.Davis] = *Micromeria serpyllifolia*

***!Molucella laevis** L.

Nepeta cataria L.

Nepeta grandiflora M.Bieb.
(*Nepeta nuda* L.) = *Nepeta pannonica*

Nepeta pannonica L.

Nepeta parviflora M.Bieb.

[*Nepeta serpyllifolia* M.Bieb.] = *Micromeria serpyllifolia*

{*Nepeta ucranica* auct. non L.} = *Nepeta parviflora*

(*Nepeta ucranica* L. subsp. *parviflora* (M.Bieb.) M.Masclans de Bološ) = *Nepeta parviflora*

***Ocimum basilicum** L.

***Ocimum canum** Sims.

(*Origanum dilatatum* Klokov) = *Origanum vulgare*

(*Origanum puberulum* (G.Beck) Klokov) = *Origanum vulgare*

Origanum vulgare L.

***Perilla frutescens** (L.) Britt.

[*Perilla frutescens* (L.) Britt. var. *nankinensis* (Lour.) Britt.] = *Perilla nankinensis*

***Perilla nankinensis** (Lour.) Decne

(*Perilla ocimoides* L., nom. illeg.) = *Perilla frutescens*

(*Phleboanthe laxmannii* (L.) Tausch) = *Ajuga laxmannii*

***!Phlomis fruticosa** L.

Note: Naturalized in Crimea.

Phlomis glandulifera Klokov ~ *Phlomis tuberosa*

Phlomis hybrida Zelen.

Conservation status: ERL (I).

(*Phlomis hypanica* Des.-Shost.) = *Phlomis hybrida*

Phlomis jailicola Klokov ~ *Phlomis tuberosa*

(*Phlomis maeotica* Des.-Shost.) = *Phlomis hybrida*

Phlomis piskunovii Klokov ~ *Phlomis tuberosa*

Phlomis pungens Willd.

(*Phlomis pungens* Willd. subsp. *krynensis* Klokov & Des.-Shost.) = *Phlomis pungens*

Phlomis scythica Klokov & Des.-Shost. = *Phlomis tuberosa*

Conservation status: ERL (R).

Phlomis stepposa Klokov = *Phlomis tuberosa*

Phlomis taurica Hartwiss & Bunge

Phlomis tuberosa L.

Note: Several "microspecies" have been described from Ukraine; their taxonomic status as separate species is doubtful.

[*Phlomoides hybrida* (Zelen.) R.Kam. & Machmedov] = *Phlomis hybrida*

[*Phlomoides scythica* (Klokov & Des.-Shost.) Czerep.] = *Phlomis scythica*

[*Phlomoides tuberosa* (L.) Moench] = *Phlomis tuberosa*

Prunella grandiflora (L.) Scholl.

Prunella × **intermedia** Link. = *Prunella laciniata* × *Prunella vulgaris*

Prunella laciniata (L.) L.

Prunella vulgaris L.

(*Pulegium vulgare* Mill.) = *Mentha pulegium*

***Rosmarinum officinalis** L.

(*Ruyschiana laciniata* Mill.) = *Dracocephalum austriacum*

(*Ruyschiana spicata* Mill.) = *Dracocephalum ruyschianum*

Salvia adenostachya Juz. = *Salvia scabiosifolia*

Salvia aethiopsis L.

Salvia austriaca Jacq.

Salvia betonicaefolia Etl.

(*Salvia brachystemon* Klokov) = *Salvia tomentosa*

(*Salvia campestris* M.Bieb.) = *Salvia sibthorpii*

(*Salvia cernua* Besser) = *Salvia betonicaefolia*

Salvia cremenecensis Besser

Conservation status: RDBU (1); ERL (R).

Salvia demetrii Juz. = *Salvia scabiosifolia*

Salvia dumetorum Andrz.

{*Salvia dumetorum* auct. non Andrz.} = *Salvia stepposa*

(*Salvia extensa* Klokov) = *Salvia sibthorpii*

Salvia glutinosa L.

(*Salvia grandiflora* Etl.) = *Salvia tomentosa*

(*Salvia hablitziana* Pall. ex Willd.) = *Salvia scabiosifolia*

(*Salvia horminoides* Pourr.) = *Salvia verbenaca*

(*Salvia horminum* L.) = *Salvia viridis*

Salvia illuminata Klokov = *Salvia nemorosa* aggr.

(*Salvia jailicola* Klokov) = *Salvia nemorosa*

(*Salvia moldavica* Klokov) = *Salvia nemorosa*

Salvia nemorosa L. aggr.

Note: The *Salvia nemorosa* aggregate is very polymorphic and represented in Ukraine by several intergrading races and forms. Their rational taxonomic placement (as separate species or infraspecific taxa) is still problematic.

[*Salvia nemorosa* L. subsp. *illuminata* (Klokov) Soó] = *Salvia illuminata*

(*Salvia nemorosa* L. subsp. *jailicola* (Klokov) Soó) = *Salvia nemorosa*

(*Salvia nemorosa* L. subsp. *moldavica* (Klokov) Soó) = *Salvia nemorosa*

(*Salvia nemorosa* L. subsp. *praemontana* (Klokov) Soó) = *Salvia tesquicola*

[*Salvia nemorosa* L. subsp. *tesquicola* (Klokov & Pobed.) Soó] = *Salvia tesquicola*

Salvia nutans L.

Salvia officinalis L.

Salvia × **pendula** Vahl. = *Salvia nemorosa* × *Salvia nutans* (or *Salvia pratensis* ?)

Salvia × **podolica** Blocki = *Salvia nemorosa* × *Salvia nutans*

(*Salvia praemontana* Klokov) = *Salvia tesquicola*

Salvia pratensis L.

Salvia reflexa Hornem.

(*Salvia rhodantha* Zefir.) = *Salvia verbenaca*

Salvia scabiosifolia Lam.

Conservation status: IUCN RL (R); ERL (1).

Salvia sclarea L.

Salvia sibthorpii Smith

***Salvia splendens** Ker Gawl.

Salvia stepposa Des.-Shost.

Salvia tesquicola Klokov & Pobed. ~ *Salvia nemorosa* aggr.

Salvia tomentosa Mill.

Salvia verbenaca L.

Salvia verticillata L.

Salvia virgata Jacq.

{*Salvia virgata* auct. non Jacq.} = *Salvia sibthorpii*

Salvia viridis L.

*!**Satureja hortensis L.**

[*Satureja montana* L. subsp. *taurica* (Velen.) P.W.Ball] = *Satureja taurica*

Satureja taurica Velen.

Scutellaria albida L.

(*Scutellaria alpina* L. subsp. *supina* (L.) I.B.K.Richardson) = *Scutellaria supina*

Scutellaria altissima L.

Scutellaria cretica Juz. ~ *Scutellaria supina*

Conservation status: RDBU (2).

Scutellaria dubia Taliev & Širj.

Scutellaria galericulata L.

Scutellaria hastifolia L.

{*Scutellaria hastifolia* auct. non L.} = *Scutellaria dubia*

Scutellaria heterochroa Juz. = *Scutellaria orientalis* s.l.

Scutellaria hirtella Juz. ~ *Scutellaria orientalis* s.l.
Scutellaria hypopolia Juz. ~ *Scutellaria orientalis* s.l.
Scutellaria orientalis L. aggr.

Note: Five narrow, presumably endemic species have been described from Crimea by Juzepchuk (1939, 1951). Most probably, they represent local varieties of *S. orientalis* and do not deserve recognition even as subspecies.

[*Scutellaria orientalis* L. subsp. *heterochroa* (Juz.) Fed.] = *Scutellaria heterochroa*

[*Scutellaria orientalis* L. subsp. *hirtella* (Juz.) Fed.] = *Scutellaria hirtella*

[*Scutellaria orientalis* L. subsp. *hypopolia* (Juz.) Fed.] = *Scutellaria hypopolia*

[*Scutellaria orientalis* L. subsp. *stephenii* (Juz.) Fed.] = *Scutellaria stephenii*

[*Scutellaria orientalis* L. subsp. *taurica* (Juz.) Fed.] = *Scutellaria taurica*

(*Scutellaria pallida* M.Bieb.) = *Scutellaria albida*

Scutellaria stephenii Juz. ~ *Scutellaria orientalis* s.l.

(*Scutellaria subalbida* Klokov) = *Scutellaria albida*

Scutellaria supina L. aggr.

Note: *Scutellaria verna* and *S. cretica* are members of this aggregate and are probably better treated as infraspecific entities.

Scutellaria taurica Juz. ~ *Scutellaria orientalis* s.l.

Scutellaria verna Besser ~ *Scutellaria supina*

Conservation status: RDBU (3).

Scutellaria woronowii Juz.

Sideritis ajpetriana Klokov ~ *Sideritis taurica*

Sideritis atrinervia Klokov ~ *Sideritis taurica*

{*Sideritis brutia* auct. non Ten.} = *Sideritis catillaris* aggr.

Note: *Sideritis brutia* (incl. *S. catillaris*, *S. conferta*, and *S. imbrex*) was reported for Crimea by N.G. Glagoleva (see Prokudin & al., 1987): she also submerged *S. taurica* into *S. libanotica*. Most probably there are only two distinct entities (species or subspecies) of this group occurring in Crimea.

Sideritis catillaris Juz.

Sideritis chlorostegia Juz. ~ *Sideritis taurica*

Sideritis comosa (Rochel ex Benth.) Stank.

Sideritis conferta Juz. ~ *Sideritis catillaris*

Sideritis imbrex Juz. ~ *Sideritis catillaris*

(*Sideritis libanotica* Labill. subsp. *taurica* (Stephan) Glagoleva, nom. inval.) = *Sideritis taurica*

Sideritis marschalliana Juz. ~ *Sideritis taurica*

Sideritis montana L.

[*Sideritis montana* L. subsp. *comosa* (Rochel ex Benth.) Soó] = *Sideritis comosa*

(*Sideritis scythica* Juz.) = *Sideritis taurica*

[*Sideritis syriaca* L. subsp. *catillaris* (Juz.) Gladkova] = *Sideritis catillaris*

[*Sideritis syriaca* L. subsp. *taurica* (Stephan) Gladkova] = *Sideritis taurica*

Sideritis taurica Stephan aggr.

(*Stachys acanthodonta* Klokov) = *Stachys atherocalyx*

Stachys alpina L.

Stachys angustifolia M.Bieb.

Stachys annua (L.) L.

(*Stachys argentea* Tausch) = *Stachys germanica*

?**Stachys aspera** Michx.

Note: Records of this alien species from SE Ukraine (see Kondratyuk, Burda & Ostapko, 1985) need confirmation.

Stachys atherocalyx K.Koch

(*Stachys betonica* Benth.) = *Betonica officinalis*

***Stachys byzantina** K.Koch

(*Stachys chinensis* Bunge ex Benth.) = *Stachys aspera*

(*Stachys cordata* Klokov) = *Stachys germanica*

{*Stachys cretica* auct. non L.} = *Stachys velata*

(*Stachys cretica* L. subsp. *velata* (Klokov) Greuter & Burdet) = *Stachys velata*

(*Stachys czernjaëvii* Des.-Shost.) = *Stachys recta*

Stachys germanica L.

(*Stachys germanica* L. subsp. *cordata* (Klokov) Greuter & Burdet) = *Stachys germanica*

(*Stachys heterodonta* Zefir.) = *Stachys germanica*

Stachys iberica M.Bieb.

(*Stachys krynkensis* Kotov) = *Stachys recta*

(*Stachys lanata* Crantz) = *Stachys germanica*

(*Stachys lanata* Jacq.) = *Stachys byzantina*

(*Stachys maeotica* Postr.) = *Stachys palustris*

(*Stachys memorabilis* Klokov) = *Stachys iberica*

(*Stachys neglecta* Klokov ex Kossko, nom. inval.) = *Stachys annua*

[*Stachys officinalis* (L.) Trevis.] = *Betonica officinalis*

(*Stachys olympica* Poir.) = *Stachys byzantina*

Stachys palustris L.

Stachys pubescens Ten.

Stachys recta L.

[*Stachys recta* L. subsp. *atherocalyx* (K.Koch) Derviz-Sokolova] = *Stachys atherocalyx*

Stachys sylvatica L.

(*Stachys taurica* Zefir.) = *Stachys byzantina*

(*Stachys transilvanica* Schur) = *Stachys recta*

Stachys velata Klokov

?**Teucrium botrys** L.

Note: Reported for the Ukrainian Carpathians (Fl.Ukr. 1960, 9: 25).

Teucrium chamaedrys L.

Teucrium cretaceum Kotov ~ *Teucrium jailae*

Teucrium fageorum Klokov ~ *Teucrium krymense*

Teucrium fischeri Juz. ~ *Teucrium krymense*

Teucrium jailae Juz. ~ *Teucrium montanum*

Teucrium krymense Juz.

Teucrium montanum L.

(*Teucrium montanum* L. subsp. *jailae* (Juz.) Soó) = *Teucrium jailae*
 (*Teucrium montanum* L. subsp. *pannonicum* (A.Kern.) Domin) = *Teucrium pannonicum*
 (*Teucrium montanum* L. subsp. *praemontanum* (Klokov) S.Pawłowska) = *Teucrium montanum*
 (*Teucrium officinale* Lam.) = *Teucrium chamaedrys*
 (*Teucrium palustre* Lam.) = *Teucrium scordium*
Teucrium pannonicum A.Kern. ~ *Teucrium montanum*
Teucrium polium L.
 (*Teucrium praemontanum* Klokov) = *Teucrium montanum*
 (*Teucrium pulchris* Juz.) = *Teucrium chamaedrys*
Teucrium scordioides Schreb.
Teucrium scordium L.
 (*Teucrium scordium* L. subsp. *scordioides* (Schreb.) Maire & Petitm.) = *Teucrium scordioides*
Teucrium stevenianum Klokov ~ *Teucrium chamaedrys*
 {*Teucrium sypshirense* auct. non K.Koch} = *Teucrium krymense*

(*Thymus acinos* L.) = *Acinos arvensis*
Thymus alpestris Tausch ex A.Kern.
Thymus alternans Klokov ~ *Thymus roegneri*
 (*Thymus amictus* Klokov) = *Thymus marschallianus*
 (*Thymus angustifolius* Pers.) = *Thymus serpyllum*
 (*Thymus attenuatus* Klokov) = *Thymus roegneri*
Thymus borysthenicus Klokov & Des.-Shost.
 Conservation status: IUCN RL (R); ERL (R).
Thymus calcareus Klokov & Des.-Shost.
 (*Thymus callieri* Bord. ex Velen.) = *Thymus roegneri*
 {*Thymus carnosus* auct. non Velen.} = *Thymus moldavicus*
 (*Thymus carpathicus* Čelak.) = *Thymus pulcherrimus*
 {*Thymus cherlerioides* auct. non Vis.} = *Thymus tauricus*
Thymus ciliatissimus Klokov ~ *Thymus pallasianus*
 (*Thymus circumcinctus* Klokov) = *Thymus pulcherrimus*
Thymus clandestinus Schur. ~ *Thymus pulegioides* aggr.
Thymus cretaceus Klokov & Des.-Shost. ~ *Thymus calcareus* aggr.
Thymus didukhii Ostapko ~ *Thymus calcareus* aggr.
 Note: See V. Ostapko (1990, Ukr. Bot. Zhurn. 47(2): 92-95).
Thymus* × *dimorphus Klokov & Des.-Shost. = *Thymus calcareus* × *Thymus marschallianus*
 Note: Possibly a species of hybrid origin.
Thymus* × *dimorphus Klokov & Des.-Shost. var. *jailae* Klokov & Des.-Shost. = *Thymus roegneri*
Thymus dzevanovskyi Klokov & Des.-Shost.
 Conservation status: ERL (I).
 (*Thymus enervius* Klokov) = *Thymus clandestinus*
Thymus eupatoriensis Klokov & Des.-Shost. ~ *Thymus moldavicus*
 ?***Thymus glabrescens*** Willd.
 Note: Reported from Transcarpathia (Fodor, 1974); needs confirmation.

(*Thymus glabrescens* Willd. subsp. *urumovii* (Velen.) Jalas) = *Thymus roegneri*
Thymus graniticus Klokov & Des.-Shost. ~ *Thymus calcareus* aggr.
(*Thymus hirsutus* M.Bieb., nom. illeg.) = *Thymus roegneri*
Thymus hirtellus Klokov ~ *Thymus roegneri*
Thymus jailae (Klokov & Des.-Shost.) Stank. ~ *Thymus roegneri*
(*Thymus karadagensis* Zefir.) = *Thymus roegneri*
Thymus kaljmijussicus Klokov & Des.-Shost. ~ *Thymus calcareus* aggr.
Conservation status: RDBU (2).
(*Thymus kalmiussicus* Klokov & Des.-Shost., ortho) = *Thymus kaljmijussicus*
{*Thymus kirgisorum* auct. non Dubjan.} = *Thymus calcareus*
Thymus kondratjukii Ostapko ~ *Thymus calcareus* aggr.
Note: See V. Ostapko (1987, Ukr. Bot. Zhurn. 44(2): 47-48).
(*Thymus latifolius* (Besser) Andr.) = *Thymus marschallianus*
Thymus liaculatus Klokov
Thymus littoralis Klokov & Des.-Shost.
Conservation status: RDBU (1).
Note: Probably a hybrid *T. marschallianus* × *T. moldavicus*.
{*Thymus loevianus* auct. non Opiz} = *Thymus marschallianus*
Thymus marschallianus Willd.
(*Thymus marschallianus* Willd. var. *latifolius* Besser) = *Thymus pannonicus*
Thymus moldavicus Klokov & Des.-Shost.
(*Thymus muscosus* Zaverucha) = *Thymus serpyllum*
Thymus × oblongifolius Opiz = *Thymus pulegioides* × *Thymus serpyllum*
(*Thymus ovatus* Mill.) = *Thymus pulegioides* aggr.
Thymus pallasianus Heinr. Braun
(*Thymus pallasianus* Hein. Braun subsp. *brachyodon* (Borbás) Jalas, p.p., nom. illeg.) =
Thymus pallasianus
Thymus pannonicus All.
{*Thymus pannonicus* auct. non All.} = *Thymus dzevanovskyi* & *Thymus marschallianus*
(*Thymus pannonicus* All. subsp. *marschallianus* (Willd.) Soó) = *Thymus marschallianus*
Thymus × pilisiensis Borbás = *Thymus marschallianus* × *Thymus pulegioides*
Thymus platyphyllus Klokov ~ *Thymus marschallianus*
(*Thymus podolicus* Klokov & Des.-Shost.) = *Thymus × oblongifolius*
{*Thymus podolicus* auct. non Klokov & Des.-Shost.} = *Thymus marschallianus* × *Thymus serpyllum*
(*Thymus × polessicus* Klokov) = *Thymus × oblongifolius*
(*Thymus pseudocretaceus* Klokov) = *Thymus calcareus*
Thymus pseudograniticus Klokov & Des.-Shost.
Conservation status: RDBU (2). Probably a hybrid *Thymus calcareus* × *Thymus marschallianus*
(*Thymus pseudohumillimus* Klokov & Des.-Shost.) = *Thymus tauricus*
Thymus pseudopannonicus Klokov ~ *Thymus marschallianus*
Thymus pulcherrimus Schur
Thymus pulegioides L. aggr.
(*Thymus pulegioides* L. subsp. *montanus* (Arcang.) Romniger) = *Thymus clandestinus*

(*Thymus pullegioides* L. subsp. *ucrainicus* Klokov & Des.-Shost.) = *Thymus ucrainicus*

Thymus roegneri K.Koch aggr.

Thymus serpyllum L.

(*Thymus subalpestris* Klokov) = *Thymus alpestris*

{*Thymus sudeticus* auct. non Borbás} = *Thymus pulcherrimus*

Thymus tauricus Klokov & Des.-Shost.

Thymus × *tschernjajevii* Klokov & Des.-Shost. = *Thymus marschallianus* × *Thymus pallasianus*

Thymus ucrainicus (Klokov & Des.-Shost.) Klokov ~ *Thymus pullegioides* aggr.

(*Thymus zelenetzkyi* Klokov & Des.-Shost.) = *Thymus roegneri*

{*Thymus zygioides* auct. non Griseb.} = *Thymus moldavicus*

Ziziphora capitata L.

(*Ziziphora parviflora* (Trautv.) Des.-Shost.) = *Ziziphora tenuior*

Ziziphora persica Bunge

?*Ziziphora serpyllacea* M.Bieb.

Note: Reported from Crimea (collected by N. Zelenetsky in 1887 near Chatyr-Dag);
needs confirmation.

Ziziphora taurica M.Bieb.

Ziziphora tenuior L. aggr.

FAMILY Lauraceae

*!*Laurus nobilis* L.

FAMILY Lentibulariaceae

Pinguicula alpina L.

Conservation status: RDBU (2).

Pinguicula bicolor Wol. ~ *Pinguicula vulgaris*

Conservation status: RDBU (1); IUCN RL (E), as *Pinguicula vulgaris* subsp. *bicolor*.

Pinguicula vulgaris L.

Conservation status: RDBU (2).

{*Pinguicula vulgaris* L. subsp. *bicolor* (Wol.) A.Löve & D.Löve} = *Pinguicula bicolor*

Utricularia australis R.Br.

Utricularia bremii Heer

Utricularia intermedia Hayne

Utricularia minor L.

[*Utricularia minor* L. subsp. *bremii* (Heer ex Koell.) Nyman] = *Utricularia bremii*

(*Utricularia neglecta* Lehm.) = *Utricularia australis*

Utricularia vulgaris L.

FAMILY Limoniaceae

(*Armeria elongata* (Hoffm.) W.D.J.Koch.) = *Armeria maritima* subsp. *elongata*

Armeria maritima (Mill.) Willd. subsp. ***elongata*** (Hoffm.) Bonnier

Armeria pocutica Pawl.

Conservation status: RDBU (0); IUCN RL (Ex/E); ERL (E).

{*Armeria vulgaris* auct. non Willd.} = *Armeria maritima* subsp. *elongata*

Goniolimon besserianum (Schult.) Kusn.

Goniolimon desertorum (Trautv.) Klokov ~ *Goniolimon graminifolium*

Goniolimon graminifolium (Aiton) Boiss.

Conservation status: IUCN RL (V); ERL (V).

(*Goniolimon orae-syvachicae* Klokov) = *Goniolimon rubellum*

Goniolimon rubellum (S.G.Gmel.) Klokov

Goniolimon tataricum (L.) Boiss.

Goniolimon tauricum Klokov ~ *Goniolimon tataricum*

Limonium alutaceum (Steven) O.Kuntze

Limonium bungei (Claus) Gamajun.

Limonium caspium (Willd.) Gams

(*Limonium czurjukiense* (Klokov) Lavrenko ex Klokov, ortho) = *Limonium tschurjukiense*

Limonium danubiale Klokov ~ *Limonium caspium*

Limonium donetzicum Klokov

(*Limonium dubium* Gamajun. ex Klokov) = *Limonium tschurjukiense*

Limonium gmelinii (Willd.) O.Kuntze

{*Limonium gmelinii* (Willd.) O.Kuntze subsp. *hypanicum* (Klokov) Soó} = *Limonium hypanicum*

Limonium hypanicum Klokov

(*Limonium latifolium* (Smith) O.Kuntze 1891; non Moench 1794) = *Limonium platyphyllum*

(*Limonium membranaceum* (Czern.) Klokov) = *Limonium bungei*

Limonium meyeri (Boiss.) O.Kuntze ~ *Limonium scoparium*

(*Limonium neoscoparium* Klokov) = *Limonium scoparium*

Limonium oblongifolium (Kotov) Loskot ex Tzvelev

Limonium platyphyllum Lincz.

Limonium sareptanum (A.Becker) Gams

Limonium scoparium (Pall. ex Willd.) Stank.

****Limonium sinuatum*** (L.) Mill.

Limonium suffruticosum (L.) O.Kuntze

Limonium tomentellum (Boiss.) O.Kuntze

{*Limonium tomentellum* auct. non (Boiss.) O.Kuntze} = *Limonium alutaceum*,

Limonium donetzicum, *Limonium tschurjukiense* & *Limonium hypanicum*

Limonium tschurjukiense (Klokov) Lavrenko ex Klokov

?***Psylliostachys spicata*** (Willd.) Nevski

Note: Reported from the Sivash Lake area (SE Ukraine), probably erroneously.

(*Statice besseriana* Schult.) = *Goniolimon besserianum*
(*Statice graminifolia* Aiton) = *Goniolimon graminifolium*
(*Statice tatarica* L.) = *Goniolimon tataricum*

FAMILY Linaceae

[*Cathartolinum catharticum* (L.) Small] = *Linum catharticum*
(*Cathartolinum pratense* Rehb., nom. illeg.) = *Linum catharticum*

Linum angustifolium Huds.

{*Linum aucheri* auct. non Planch.} = *Linum nervosum*

Linum austriacum L.

(*Linum austriacum* L. subsp. *euxinum* (Juz.) Ockendon) = *Linum squamulosum*

(*Linum austriacum* L. subsp. *marschallianum* (Juz.) Greuter & Burdet) = *Linum marschallianum*

Linum basarabicum (Sävil. & Rayss) Klokov ex Juz.

{*Linum bienne* auct. non Mill.} = *Linum angustifolium*

Linum catharticum L.

Linum corymbulosum Rehb.

Linum crepitans (Boenn.) Dumort.

Linum czerniaëvii Klokov

(*Linum euxinum* Juz.) = *Linum squamulosum*

Linum extraaxillare Kit.

Linum flavum L.

(*Linum flavum* L. var. *basarabicum* Sävil. & Rayss) = *Linum basarabicum*

(*Linum flavum* L. var. *linearifolium* Lindem., nom. illeg.; non *Linum linearifolium* Jáv.) = ?*Linum ucranicum* & *Linum tauricum*

(*Linum flavum* L. var. *ucranicum* Griseb. ex Planch.) = *Linum ucranicum*

Linum linearifolium Jáv.

(*Linum gallicum* L.) = *Linum trigynum*

{*Linum gallicum* auct. non L.} = *Linum corymbulosum*

****Linum grandiflorum*** Desf.

Linum hirsutum L.

[*Linum hirsutum* L. subsp. *lanuginosum* (Juz.) Egorova] = *Linum lanuginosum*

[*Linum humile* Mill.] = *Linum usitatissimum* var. *humile*

Linum jalicola Juz. ~ *Linum nervosum*

Linum lanuginosum Juz.

Linum linearifolium Jáv.

(*Linum luteolum* M.Bieb.) = *Linum nodiflorum*

Linum marschallianum Juz.

Linum nervosum Waldst. & Kit.

Linum nodiflorum L.

Linum pallasianum Schult.

Linum perenne L.

[*Linum perenne* L. subsp. *extraaxillare* (Kit.) Nyman] = *Linum extraaxillare*

(*Linum radiola* L.) = *Radiola linoides*
Linum squamulosum Rudolphi ex Willd.
{*Linum strictum* auct. non L.} = *Linum corymbulosum*
Linum tauricum Willd.
Linum tenuifolium L.
Linum trigynum L.
Linum ucranicum (Griseb. ex Planch.) Czern.
(*Linum ucranicum* Czern. var. *pubescens* Czern. ex Gruner) -- *Linum czernjaëvii*
*!**Linum usitatissimum** L.
***Linum usitatissimum** L. var. *humile* (Mill.) Pers.

Radiola linoides Roth

FAMILY Lobeliaceae

***Lobelia erinus** L.

FAMILY Loranthaceae

Arceuthobium oxycedri (DC.) M.Bieb.

Loranthus europaeus Jacq.

(*Razoumofskya caucasica* Hoffm.) = *Arceuthobium oxycedri*

(*Razoumofskya oxycedri* (DC.) F.Schultz) = *Arceuthobium oxycedri*

[*Viscum abietis* (Wiesb.) Fritsch] = *Viscum album* subsp. *abietis*

Viscum album L.

Viscum album L. subsp. *abietis* (Wiesb.) Abrom.

Viscum album L. subsp. *austriacum* (Wiesb.) Vollm.

(*Viscum austriacum* Wiesb.) = *Viscum album* subsp. *austriacum*

[*Viscum laxum* Boiss. & Reut.] = *Viscum album* subsp. *austriacum*

(*Viscum laxum* Boiss. & Reut. subsp. *abietis* (Wiesb.) O.Schwarz) -- *Viscum album*
subsp. *abietis*

(*Viscum oxycedri* DC.) = *Arceuthobium oxycedri*

FAMILY Lythraceae

(*Ammannia borysthenica* (M.Bieb. ex Schrank) DC.) -- *Middendorffia borysthenica*

(*Ammannia caspica* M.Bieb.) = *Ammannia verticillata*

Ammannia verticillata (Ard.) Lam.

***Lagerstroemia indica** L.

Note: Rarely cultivated in Crimea (South Coast).

[*Lythrum borysthenicum* (M.Bieb. ex Schrank) Litv.] = *Middendorfia borysthenica*

(*Lythrum cinereum* Griseb.) = *Lythrum tomentosum*

Lythrum hybridum Klokov ~ *Lythrum melanospermum*

Lythrum hyssopifolia L.

Lythrum intermedium Fisch. ex Colla

Lythrum melanospermum Săvul. & Zachar.

Lythrum microphyllum Kar. & Kir.

[*Lythrum portula* (L.) D.A.Webb] = *Peplis portula*

Lythrum salicaria L.

(*Lythrum salicaria* L. subsp. *intermedium* (Fisch. ex Colla) Hara) = *Lythrum intermedium*

(*Lythrum salicaria* L. var. *intermedium* (Fisch. ex Colla) Koehne) = *Lythrum intermedium*

(*Lythrum salicaria* L. var. *tomentosum* (DC.) DC.) = *Lythrum tomentosum*

(*Lythrum salzmannii* Jord.) = *Lythrum microphyllum*

Lythrum scabrum Simonk.

Note: Probably a hybrid *L. salicaria* × *L. virgatum* ?

(*Lythrum sophiae* Klokov) = *Lythrum microphyllum*

Lythrum thymifolia L.

Lythrum tomentosum DC.

Lythrum tribracteatum Salzm. ex Spreng.

Lythrum virgatum L.

[*Lythrum volgense* D.A.Webb] = *Peplis alternifolia*

Middendorfia borysthenica (M.Bieb. ex Schrank) Trautv.

Peplis alternifolia M.Bieb.

(*Peplis borysthenica* M.Bieb. ex Schrank) = *Middendorfia borysthenica*

Peplis portula L.

FAMILY Magnoliaceae

**Liriodendron tulipiferum* L.

Note: Another species, *L. chinensis* (Hemsl.) Sarg., is rarely cultivated in botanical gardens.

**Magnolia acuminata* (L.) L.

**Magnolia denudata* Desr.

**Magnolia grandiflora* L.

**Magnolia hypoleuca* Siebold & Zucc.

**Magnolia kobus* Thunb.

**Magnolia liliflora* Desr.

(*Magnolia obovata* Thunb. p.p.) = *Magnolia hypoleuca*

**Magnolia salicifolia* Maxim.

**Magnolia stellata* (Siebold & Zucc.) Maxim.

Note: Several other species of *Magnolia* are represented only in collections of botanical gardens.

(*Tulipifera liriiodendron* Mill.) = *Liriiodendron tulipiferum*

FAMILY Malvaceae

***Abelmoschus esculentus** (L.) Moench

(*Abutilon avicennae* P.Gaertn.) = *Abutilon theophrastii*

***Abutilon darvinii** Hook.

Abutilon theophrastii Medik.

***Abutilon thompsonii** L.

***Abutilon vitifolium** C.Presl

(*Alcea bordzilowskii* Wissjul.) = *Alcea heldreichii*

Alcea heldreichii (Boiss.) Boiss.

Alcea novopokrovskyi Iljin

Alcea pallida (Waldst. & Kit. ex Willd.) Waldst. & Kit.

*!**Alcea rosea** L.

Alcea rugosa Alef.

Alcea taurica Iljin

Althaea armeniaca Ten.

Althaea cannabina L.

(*Althaea cannabina* L. subsp. *narbonensis* (Pourr. ex Cav.) Baker) = *Althaea narbonensis*

(*Althaea heldreichii* Boiss.) = *Alcea heldreichii*

Althaea hirsuta L.

Althaea narbonensis Pourr. ex Cav.

Althaea officinalis L.

(*Althaea pallida* Waldst. & Kit. ex Willd.) = *Alcea pallida*

(*Althaea rosea* (L.) Cav.) = *Alcea rosea*

Anoda cristata (L.) Schlecht.

Note: A rare alien species recently collected in SE Ukraine by V. Tokhtar.

***Gossypium barbadense** L.

***Gossypium herbaceum** L.

***Gossypium hirsutum** L.

***Hibiscus cannabinus** L.

[*Hibiscus esculentus* L.] = *Abelmoschus esculentus*

***Hibiscus rosa-sinensis** L.

***Hibiscus syriacus** L.

Hibiscus trionum L.

***Kitaibelia vitifolia** Willd.

Lavatera thuringiaca L.

*!*Lavatera trimestris* L.

*!*Malope trifida* Cav.

[*Malva alcea* L. subsp. *excisa* (Rehb.) Holub] = *Malva excisa*

Malva ambigua Guss.

*!*Malva chinensis* Mill.

*!*Malva crispa* (L.) L.

Malva erecta J.Presl & C.Presl

*!*Malva excisa* Rehb.

*!*Malva mauritiana* L.

(*Malva meluca* Graebn. & Lange) = *Malva chinensis*

(*Malva mohileviensis* Downar) = *Malva pulchella*

*!*Malva moschata* L.

Malva neglecta Wallr.

Malva nicaeensis All.

(*Malva plebeja* Steven) = *Malva erecta*

*!*Malva pulchella* Bernh.

Malva pusilla Smith

{*Malva rotundifolia* auct. non L., nom. ambig.} = *Malva neglecta* & *Malva pusilla*

(*Malva sherardiana* L.) = *Malvella sherardiana*

(*Malva sinensis* Cav.) = *Malva mauritiana*

*!*Malva sylvestris* L.

[*Malva sylvestris* L. ssp. *mauritiana* (L.) Asch. & Graebn.] = *Malva mauritiana*

*!*Malva verticillata* L.

(*Malva verticillata* L. var. *neuroloma* Schlecht.) = *Malva pulchella*

(*Malva verticillata* L. var. *chinensis* (Mill.) Danert) = *Malva chinensis*

Malvella sherardiana (L.) Jaub. & Spach

(*Sida abutilon* L.) = *Abutilon theophrastii*

[*Sida cristata* (L.) Schlecht.] = *Anoda cristata*

**Sida hermaphrodita* (L.) Rusby

Sida rhombifolia L.

Note: A rare alien species collected in Kiev in 1990; now disappeared.

{*Sida spinosa* auct. non L.} = *Sida rhombifolia*

FAMILY Martyniaceae

(*Martynia louisiana* Mill.) = *Proboscidea louisiana*

Proboscidea louisiana (Mill.) Thell.

FAMILY Meliaceae

**Melia azedarach* L.

FAMILY Menyanthaceae

Menyanthes trifoliata L.

Nymphoides peltata (S.G.Gmel.) O.Kuntze

Conservation status: RDBU (2).

FAMILY Mimosaceae

**Albizia julibrissin* Durazz.

Note: Often misspelt as "Albizzia".

FAMILY Molluginaceae

Glinus lotoides L.

Mollugo cerviana (L.) Ser.

FAMILY Monotropaceae

(*Hypopitys hypophegea* (Wallr.) G.Don f.) = *Monotropa hypophegea*

(*Hypopitys monotropa* Grantz) = *Monotropa hypopitys*

Monotropa hypopitys L.

Monotropa hypophegea Wallr. ~ *Monotropa hypopitys* aggr.

FAMILY Moraceae

**Broussonetia papyrifera* (L.) Vent.

**Ficus carica* L.

(*Ioxylon pomiferum* Raf.) = *Maclura pomifera*

(*Maclura aurantiaca* Nutt.) = *Maclura pomifera*

**Maclura pomifera* (Raf.) C.K.Schneid.

*!*Morus alba* L.

*!*Morus nigra* L.

[*Morus papyrifera* L.] = *Broussonetia papyrifera*

FAMILY Myrtaceae

**Myrtus communis* L.

FAMILY Nelumbonaceae

(*Nelumbium*) = *Nelumbo*

(*Nelumbo caspica* (DC.) Fisch.) = *Nelumbo nucifera* s.l.

**Nelumbo nucifera* Gaertn. s.l.

Note: Occasionally cultivated as ornamental, and experimentally introduced in the Lower Dnieper area.

FAMILY Nitrariaceae

Nitraria schoberi L.

Conservation status: RDBU (3).

FAMILY Nyctaginaceae

(*Allionia nyctaginea* Michx.) = *Oxybaphus nyctagineus*

**Mirabilis jalapa* L.

**Mirabilis longiflora* L.

[*Mirabilis nyctaginea* (Michx.) MacMill.] = *Oxybaphus nyctagineus*

Oxybaphus nyctagineus (Michx.) Sweet

FAMILY Nymphaeaceae

Nuphar lutea (L.) Smith

(*Nuphar lutea* (L.) Smith subsp. *pumila* (Timm) Bonnier & Layens) = *Nuphar pumila*

?*Nuphar pumila* (Timm) DC.

Note: No records from Ukraine; however, may be expected in N Ukraine.

(*Nuphar tenella* Rchb.) = *Nuphar pumila*

Nymphaea alba L.

(*Nymphaea alba* L. subsp. *candida* (C.Presl) Korsh.) = *Nymphaea candida*

Nymphaea candida C.Presl

(*Nymphaea minoriflora* (Simonk.) Wissjul.) = *Nymphaea alba*

FAMILY Oleaceae

**Chionanthus virginica* L.

**Fontanesia fortunei* Carrière

**Fontanesia phillyreoides* Labill.

**Forsythia europaea* Degen & Bald.

**Forsythia* × *intermedia* Zabel = *Forsythia suspensa* × *Forsythia viridissima*

**Forsythia suspensa* (Thunb.) Vahl

**Forsythia ovata* Nakai

**Forsythia viridissima* Lindl.

**Fraxinus americana* L.

Fraxinus angustifolia Vahl.

[*Fraxinus angustifolia* Vahl. subsp. *danubialis* Pouzar] = *Fraxinus ptacovskyi*

(*Fraxinus angustifolia* Vahl. subsp. *pannonica* Soó & Simon) = *Fraxinus ptacovskyi*

Fraxinus coriariifolia Scheele

Fraxinus excelsior L.

(*Fraxinus excelsior* L. subsp. *coriariifolia* (Scheele) E.Murray) = *Fraxinus coriariifolia*

(*Fraxinus florifera* Scop.) = *Fraxinus ornus*

**Fraxinus lanceolata* Borkh.

Fraxinus ornus L.

Conservation status: RDBU (1).

Fraxinus oxycarpa Willd. ~ *Fraxinus angustifolia*

(*Fraxinus oxycarpa* Willd. subsp. *syriaca* (Boiss.) Yaltirik) = *Fraxinus syriaca*

Fraxinus pallisae Wilmott

*!*Fraxinus pennsylvanica* Marshall

(*Fraxinus pojarkoviana* V.Vasil.) = *Fraxinus ptacovskyi*

Fraxinus ptacovskyi Domin ~ *Fraxinus angustifolia*

(*Fraxinus rotundifolia* Mill. subsp. *syriaca* (Boiss.) Yaltirik) = *Fraxinus syriaca*

Fraxinus syriaca Boiss.

Note: In addition to the taxa listed above, at least 10 species are cultivated in botanical gardens and arboreta.

Jasminum fruticans L.

**Jasminum nudiflorum* Lindl.

**Jasminum officinale* L.

Note: At least 6 other species are occasionally cultivated in botanical gardens and parks.

[*Ligustrina amurensis* Rupr.] = *Syringa amurensis*

**Ligustrum lucidum* W.T.Aiton

Note: Ca. 15 other species are cultivated in botanical gardens and parks.

Ligustrum vulgare L.

**Olea europaea* L.

Note: Reported as escaped in Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Osmanthus fragrans* Lour.

**Osmanthus heterophyllus* (G.Don) P.S.Green

Note: Three other species of *Osmanthus* are rarely cultivated in gardens and parks of Crimea.

**Phillyrea latifolia* L.

**Syringa amurensis* Rupr.

**Syringa chinensis* Willd.

**Syringa emodi* Wall.

Syringa josikaea J.Jacq. ex Rehb.

Conservation status: RDBU (1); IUCN RL (R).

**Syringa persica* L.

**Syringa villosa* Vahl

**Syringa vulgaris* L.

Note: In addition to taxa listed above, several species are rarely cultivated in botanical gardens and parks.

FAMILY Onagraceae

(*Chamaenerion angustifolium* (L.) Scop.) = *Chamerion angustifolium*

Chamerion angustifolium (L.) Holub

Chamerion dodonaei (Vill.) Holub

Circaea alpina L.

Circaea × *intermedia* Ehrh. = *Circaea alpina* × *Circaea lutetiana*

Circaea lutetiana L.

**Clarkia amoena* (Lehm.) Nelson & Macbr.

{*Clarkia elegans* auct. non Poir.} = *Clarkia unguiculata*

**Clarkia pulchella* Pursh

**Clarkia unguiculata* Lindl.

Epilobium adenocaulon Hausskn. ~ *Epilobium ciliatum* aggr.

(*Epilobium adnatum* Griseb.) = *Epilobium tetragonum*

Epilobium alpestre (Jacq.) Krock.

Epilobium alpinum L.

Epilobium alsinifolium Vill.

(*Epilobium anagallidifolium* Lam.) = *Epilobium alpinum*

[*Epilobium angustifolium* L.] = *Chamerion angustifolium*

Epilobium ciliatum Raf. aggr.

Note: This aggregate is represented in Ukraine by two microspecies, *E. adenocaulon* and *E. pseudorubescens*.

Epilobium collinum C.C.Gmel.

Epilobium consimile Hausskn.

[*Epilobium dodonaei* Vill.] = *Chamerion dodonaei*

(*Epilobium dominii* M.Pop.) = *Epilobium ciliatum*

Epilobium hirsutum L.

Epilobium lamyi F.Schultz ~ *Epilobium tetragonum*

Epilobium lanceolatum Sebast. & Mauri

Epilobium montanum L.

(*Epilobium montanum* L. var. *alpestre* Jacq.) = *Epilobium alpestre*
 (*Epilobium nervosum* Boiss. & Buhse) = *Epilobium smyrneum* s.str.
 {*Epilobium nervosum* auct. non Boiss. & Buhse} = *Epilobium consimile*
Epilobium nutans F.W.Schmidt
Epilobium obscurum Schreb.
Epilobium palustre L.
 (*Epilobium palustre* L. var. *nutans* (F.W.Schmidt) Grab.) = *Epilobium nutans*
Epilobium parviflorum Schreb.
Epilobium pseudorubescens A.K.Skvortsov ~ *Epilobium ciliatum*
Epilobium roseum Schreb.
 [*Epilobium roseum* Schreb. subsp. *consimile* (Hauskn.) P.H.Raven] = *Epilobium consimile*
 [*Epilobium roseum* Schreb. subsp. *sessile* (Boiss.) P.H.Raven] = *Epilobium smyrneum*
 {*Epilobium rubescens* auct. non Rydb.} = *Epilobium pseudorubescens*
 ?**Epilobium smyrneum** Boiss. & Balansa
Epilobium tetragonum L.
 [*Epilobium tetragonum* L. subsp. *lamyi* (F.Schultz) Nyman] = *Epilobium lamyi*
 (*Epilobium trigonum* Schrank) = *Epilobium alpestre*

(*Godetia amoena* (Lehm.) G.Don) = *Clarkia amoena*
 (*Godetia grandiflora* Lehm.) = *Clarkia amoena*

(*Isnardia palustris* L.) = *Ludwigia palustris*

Ludwigia palustris (L.) Elliott

Conservation status: RDBU (1).

(*Oenothera ammophila* Focke) = *Oenothera oakesiana*
 (*Oenothera amoena* Lehm.) = *Clarkia amoena*

Oenothera biennis L.

Note: Taxonomy in the present list is given mainly according to W. Dietrich, W.L. Wagner & P.H. Raven (1997, *Systematic Botany Monographs* 50: 1-234). Many other "microspecies" were reported for Ukraine and adjacent countries.

(*Oenothera canovirens* Steele) = *Oenothera villosa* s.l.

(*Oenothera cruciata* Murray ex G.Don) = *Oenothera parviflora* s.l.

(*Oenothera depressa* E.Greene) = *Oenothera villosa* s.l.

(*Oenothera erythrosepala* (Borbás) Borbás) = *Oenothera glazioviana* s.l.

Oenothera × **fallax** Renner ex Rostański = *Oenothera biennis* × *Oenothera glazioviana*

Oenothera glazioviana Micheli

Oenothera × **hoelscheri** Renner ex Rostański = *Oenothera biennis* × *Oenothera villosa*

(*Oenothera hungarica* Borbás) = *Oenothera villosa* s.l.

Oenothera laciniata Hill

Note: A rare alien species collected in Kiev twice (S. Mosyakin, 1991, *Byull. MOIP, Ser. Biol.* 96(1): 144-145).

(*Oenothera muricata* L.) = *Oenothera biennis* s.l.

{*Oenothera muricata* auct. non L.} = *Oenothera oakesiana* s.l.
Oenothera oakesiana (A.Gray) Robbins ex S.Watson & Coult.
Oenothera parviflora L.
(*Oenothera renneri* H.Scholz) = *Oenothera villosa* s.l.
Oenothera rubricaulis Klebahn = *Oenothera biennis* s.l.
(*Oenothera salicifolia* Desf. ex G.Don) = *Oenothera villosa* s.l.
(*Oenothera sinuata* L.) = *Oenothera laciniata*
(*Oenothera strigosa* (Rydb.) Mackenzie) = *Oenothera villosa* s.l.
*!***Oenothera suaveolens*** Desf. ex Pers. = *Oenothera biennis* s.l.
(*Oenothera syrticola* Bartlett) = *Oenothera oakesiana*
Oenothera villosa Thunb.

(*Onagra biennis* (L.) Scop.) = *Oenothera biennis*

[*Raimannia laciniata* (Hill) Rose ex Britt. & Brown] = *Oenothera laciniata*

FAMILY **Orobanchaceae**

Diphelypaea coccinea (M.Bieb.) Nicolson

Conservation status: RDBU (3).

Diphelypaea helenae (Popl.) Tzvelev

[*Orobanche aegyptiaca* Pers.] = *Phelipanche aegyptiaca*

Orobanche alba Stephan ex Willd.

Orobanche alsatica Kirschl.

(*Orobanche ammophila* C.A.Mey.) = *Orobanche coerulescens*

[*Orobanche arenaria* Borkh.] = *Phelipanche arenaria*

Orobanche bartlingii Griseb.

[*Orobanche brassicae* (Novopokr.) Novopokr.] = *Phelipanche brassicae*

(*Orobanche caesia* Rehb.) = *Phelipanche lanuginosa*

Orobanche caryophyllacea Smith

Orobanche cernua Loeffl.

[*Orobanche cernua* Loeffl. subsp. *cumana* (Wallr.) Soó] = *Orobanche cumana*

(*Orobanche cervaria* Suard.) = *Orobanche alsatica*

Orobanche coerulescens Stephan

Orobanche crenata Forssk.

Orobanche cumana Wallr.

(*Orobanche cumana* Wall. subsp. *parviflora* Kotov) = *Orobanche cumana*

[*Orobanche dalmatica* (G.Beck) Tzvelev] = *Phelipanche dalmatica*

Orobanche elatior Sutton

(*Orobanche epithimum* DC.) = *Orobanche alba*

Orobanche flava C.Mart. ex F.Schultz

Orobanche gracilis Smith

Orobanche hederiae Vaucher ex Duby

(*Orobanche kochii* F.Schultz) = *Orobanche elatior*
 (*Orobanche korshinskyi* Novopokr.) = *Orobanche coerulescens*
 (*Orobanche laevis* L., nom. utique rej. prop.) = *Phelipanche arenaria*
 (*Orobanche libanotidis* Rupr.) = *Orobanche bartlingii*
Orobanche lutea Baumg.
 (*Orobanche major* L., nom. utique rej. prop.) = *Orobanche caryophyllacea*
 {*Orobanche major* auct. non L.} = *Orobanche elatior*
Orobanche minor Smith
 [*Orobanche mutelii* F.Schultz] = *Phelipanche mutelii*
 (*Orobanche nana* (Reut.) Noe ex G.Beck) = *Phelipanche oxyloba*
 [*Orobanche oxyloba* (Reut.) G.Beck.] = *Phelipanche oxyloba*
Orobanche pallidiflora Wimmer & Grab. ~ *Orobanche reticulata*
Orobanche picridis F.Schultz
Orobanche pubescens D'Urv.
 [*Orobanche purpurea* Jacq.] = *Phelipanche purpurea*
 [*Orobanche ramosa* L.] = *Phelipanche ramosa*
Orobanche reticulata Wallr.
Orobanche sarmatica Kotov ~ *Orobanche cumana*
Orobanche subalpina Herb.
Orobanche teucrii Holandre
 (*Orobanche versicolor* F.Schultz) = *Orobanche pubescens*
 (*Orobanche vulgaris* Poir.) = *Orobanche caryophyllacea*

(*Phelypaea coccinea* (M.Bieb.) Poir.) = *Diphelypaea coccinea*
 (*Phelypaea helenae* Popl.) = *Diphelypaea helenae*

Phelipanche aegyptiaca (Pers.) Pomel
Phelipanche arenaria (Borkh.) Walp.
Phelipanche brassicae (Novopokr.) Soják
Phelipanche dalmatica (G.Beck.) Soják
 (*Phelipanche laevis* (L.) Holub) = *Phelipanche arenaria*
Phelipanche lanuginosa (C.A.Mey.) Soják
Phelipanche mutelii (F.Schultz) Czerep.
Phelipanche oxyloba (Reut.) Soják
Phelipanche purpurea (Jacq.) Soják
Phelipanche ramosa (L.) Pomel

FAMILY Oxalidaceae

Oxalis acetosella L.
Oxalis acetosella L. var. *parviflora* (Lej.) DC.
 [*Oxalis corniculata* L.] = *Xanthoxalis corniculata*
 [*Oxalis dillenii* Jacq.] = *Xanthoxalis dillenii*
 (*Oxalis europaea* Jord.) = *Xanthoxalis stricta*
 (*Oxalis fontana* Bunge) = *Xanthoxalis stricta*

(*Oxalis grenadensis* Urb.) = *Xanthoxalis corniculata* subsp. *repens*
(*Oxalis parviflora* Lej.) = *Oxalis acetosella* var. *parviflora*
[*Oxalis stricta* L.] = *Xanthoxalis stricta*
{*Oxalis stricta* auct. non L.} = *Xanthoxalis dillenii*

***Xanthoxalis corniculata* (L.) Small**

***Xanthoxalis corniculata* (L.) Small subsp. *repens* (Thunb.) Tzvelev**

***Xanthoxalis dillenii* (Jacq.) Holub**

(*Xanthoxalis fontana* (Bunge) Holub) = *Xanthoxalis stricta*

(*Xanthoxalis fontana* (Bunge) Holub subsp. *villicaulis* (Wiegand) Tzvelev) = *Xanthoxalis stricta* subsp. *villicaulis*

(*Xanthoxalis grenadensis* (Urb.) Tzvelev) = *Xanthoxalis corniculata* subsp. *repens*

[*Xanthoxalis repens* (Thunb.) Dostal] = *Xanthoxalis corniculata* subsp. *repens*

***Xanthoxalis stricta* (L.) Small**

{*Xanthoxalis stricta* auct. non (L.) Small} = *Xanthoxalis dillenii*

***Xanthoxalis stricta* (L.) Small subsp. *villicaulis* (Wiegand) Tzvelev**

FAMILY Paeoniaceae

(*Paeonia albiflora* Pall.) = *Paeonia lactiflora*

(*Paeonia biebersteiniana* Rupr.) = *Paeonia tenuifolia*

***Paeonia daurica* Andrews**

Conservation status: RDBU (2).

****Paeonia lactiflora* Pall.**

(*Paeonia lithophila* Kotov) = *Paeonia tenuifolia*

****Paeonia officinalis* L.**

****Paeonia peregrina* Mill.**

Note: The species may occur as native in the southwesternmost part of Ukraine.

(*Paeonia romanica* Brandza) = *Paeonia peregrina*

****Paeonia suffruticosa* Andrews**

(*Paeonia taurica* Andrews, sphalm. corr.) = *Paeonia daurica*

***Paeonia tenuifolia* L.**

Conservation status: RDBU (2).

(*Paeonia tenuifolia* L. subsp. *biebersteiniana* (Rupr.) Takht.) = *Paeonia tenuifolia*

(*Paeonia triternata* Pall. ex DC.) = *Paeonia daurica*

(*Paeonia mascula* (L.) Mill. subsp. *triternata* (Pall. ex DC.) Stearn & P.H.Davis) = *Paeonia daurica*

FAMILY Papaveraceae

Note: See also Fumariaceae & Hypecoaceae.

(*Chelidonium corniculatum* L.) = *Glaucium corniculatum*

(*Chelidonium glaucium* L.) = *Glaucium flavum*

(*Chelidonium hybridum* L.) = *Roemeria hybrida*

Chelidonium majus L.

***Eschscholzia californica** Cham.

Note: Sometimes occur as escaped in S Ukraine, but not truly established.

Glaucium corniculatum (L.) J.Rudolph

Glaucium flavum Crantz

Conservation status: RDBU (2).

(*Glaucium luteum* Scop.) = *Glaucium flavum*

Papaver albiflorum (Boiss. & Paz.) ~ *Papaver dubium* agr.

Note: Probably the priority name for this species is *P. maculosum* Schur s.str.

Papaver argemone L.

(*Papaver argemone* L. subsp. *hybridum* (L.) Schmalh.) ~ *Papaver hybridum*

{*Papaver commutatum* auct. non Fisch. & C.A.Mey.} = *Papaver tumidulum*

Papaver dubium L.

(*Papaver dubium* L. subsp. *laevigatum* (M.Bieb.) Pawl.) = *Papaver laevigatum*

{*Papaver dubium* L. subsp. *lecoqii* auct. non (Lamotte) Syme} = *Papaver albiflorum*,

Papaver stevenianum & *Papaver tumidulum*

(*Papaver dubium* L. var. *albiflorum* Besser, nom. inval.) = *Papaver albiflorum*

(*Papaver dubium* L. var. *albiflorum* Boiss.) = *Papaver albiflorum*

Papaver hybridum L.

Papaver laevigatum M.Bieb. ~ *Papaver dubium* aggr.

Papaver maeoticum Klokov ~ *Papaver dubium* aggr.

Conservation status: IUCN RL (R).

Note: Closely related to, or probably conspecific with, *P. laevigatum*.

(*Papaver nothum* Steven) = *Papaver strigosum*

{*Papaver nothum* sensu Klokov, non Steven} = *Papaver stevenianum*

Papaver ocellatum Woronow

Note: A rare casual alien collected in Kiev (railway station); now disappeared.

(*Papaver officinale* C.C.Gmel.) = *Papaver somniferum*

***Papaver orientale** L.

[*Papaver pavoninum* Schrenk subsp. *ocellatum* (Woronow) Kadereit] = *Papaver ocellatum*

Papaver rhoeas L.

[*Papaver rhoeas* L. subsp. *strigosum* (Boenn.) Simonk.] = *Papaver strigosum*

?**Papaver setigerum** DC.

Note: Records from Ukraine (Crimea) are probably erroneous (misidentification of escaped specimens of *P. somniferum*?).

***Papaver somniferum** L.

[*Papaver somniferum* L. subsp. *setigerum* (DC.) Arcang.] = *Papaver setigerum* DC.

Papaver stevenianum A.D.Micheev ~ *Papaver dubium* aggr.

Papaver strigosum (Boenn.) Schur ~ *Papaver rhoeas*

Papaver tumidulum Klokov ~ *Papaver dubium* aggr.

Roemeria hybrida (L.) DC.

Roemeria refracta DC.

Note: A rare alien known from Kiev, Odessa, and Donetsk region.
(*Roemeria violacea* Medik., nom. illeg.) = *Roemeria hybrida*

FAMILY Parnassiaceae

Parnassia palustris L.

FAMILY Pedaliaceae

***Sesamum indicum** L.

FAMILY Peganaceae

Peganum harmala L.

FAMILY Phytolaccaceae

*!**Phytolacca americana** L.

(*Phytolacca decandra* L.) = *Phytolacca americana*

***Phytolacca esculenta** Van Houtte

(*Sarcococa esculenta* (Van Houtte) Skalický) = *Phytolacca esculenta*

FAMILY Plantaginaceae

{*Plantago alpina* auct. non L.} = *Plantago newmannii*

Plantago altissima L.

Plantago arenaria Waldst. & Kit.

Plantago arenaria Waldst. & Kit. subsp. **orientalis** (Soó) Greuter & Burdet

Plantago aristata Michx.

Note: A rare alien species reported from Transcarpathia.

Plantago atrata Hoppe subsp. **carpatica** (Soó) Soó

Conservation status: IUCN RL (V).

(*Plantago biebersteinii* Opiz) = *Plantago intermedia*

Plantago cornuti Gouan

Plantago coronopus L.

[*Plantago dubia* L.] = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago eriophora* Hoffing. & Link) = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago glabriflora* Sakalo) = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago indica* L., nom. illeg.) = *Plantago arenaria*

Plantago intermedia DC.

?**Plantago lagopus** L.

Plantago lanceolata L.

***Plantago lanceolata** L. subsp. **lanuginosa** (Bast.) Arcang.

(*Plantago lanuginosa* (Bast.) Karnauch) = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago latifolia* Wissjul.) = *Plantago arenaria* subsp. **orientalis**

Plantago major L.

[*Plantago major* L. subsp. *intermedia* (DC.) Arcang.] = *Plantago intermedia*

(*Plantago major* L. subsp. *plejosperma* Pilg.) = *Plantago intermedia*

[*Plantago maritima* L. subsp. *ciliata* Printz] = *Plantago salsa*

[*Plantago maritima* L. subsp. *neumannii* (Opiz) Tzvelev] = *Plantago neumannii*

(*Plantago maritima* L. subsp. *salsa* (Pall.) Soják) = *Plantago salsa*

Plantago maxima Juss. ex Jacq.**Plantago media L.**

(*Plantago media* L. subsp. *stepposa* (Kuprian.) Soó) = *Plantago urvillei*

(*Plantago media* L. subsp. *urvilleana* (Rapin) Hultén) = *Plantago urvillei*

(*Plantago montana* Lam. 1792, non Huds. 1762) = *Plantago atrata*

(*Plantago montana* Lam. var. *carpatica* Pilg., nom. inval.) = *Plantago atrata* subsp. *carpatica*

Plantago neumannii Opiz

(*Plantago psyllium* L. 1753, nom. ambig.; non L. 1762) = *Plantago arenaria*

Plantago salsa Pall.

(*Plantago scabra* Moench, nom. illeg.) = *Plantago arenaria*

(*Plantago scabra* Moench subsp. *orientalis* (Soó) Tzvelev) = *Plantago arenaria* subsp. *orientalis*

Plantago schwarzenbergiana Schur

Conservation status: ERL (I).

(*Plantago stepposa* Kuprian.) = *Plantago urvillei*

Plantago tenuiflora Waldst. & Kit.

(*Plantago uliginosa* F.W.Schmidt) = *Plantago intermedia*

Plantago urvillei Opiz

[*Psyllium arenarium* (Waldst. & Kit.) Mirbel] = *Plantago arenaria*

(*Psyllium indicum* Dum.Cours) = *Plantago arenaria*

(*Psyllium indicum* Dum.Cours subsp. *orientale* (Soó) Soják) = *Plantago arenaria* subsp. *orientalis*

(*Psyllium scabrum* Holub) = *Plantago arenaria*

(*Psyllium scabrum* Holub subsp. *orientale* (Soó) Holub) = *Plantago arenaria* subsp. *orientalis*

FAMILY Platanaceae

(*Platanus acerifolia* (Aiton) Willd.) = *Platanus* × *hispanica*

(*Platanus digitifolia* Palib.) = *Platanus orientalis*

**Platanus* × *hispanica* Mill. ex Muenchh.

(*Platanus hybrida* Brot.) = *Platanus* × *hispanica*

**Platanus occidentalis* L.

**Platanus orientalis* L.

FAMILY Plumbaginaceae

Note: See also Limoniaceae.

*!*Ceratostigma plumbaginoides* Bunge

Note: Cultivated and escaped in Crimea.

FAMILY Polemoniaceae

**Phlox drummondii* Hook.

*!*Phlox paniculata* L.

**Phlox* × *pyramidalis* Smith = *Phlox maculata* L. × *Phlox paniculata*

*!*Phlox subulata* L.

Polemonium caeruleum L.

FAMILY Polygalaceae

Polygala alpestris Rechb.

{*Polygala amara* auct. non L.} = *Polygala amarella*

[*Polygala amara* L. subsp. *amarella* (Crantz) Chodat] = *Polygala amarella*

[*Polygala amara* L. subsp. *brachyptera* (Chodat) Hayek] = *Polygala amblyptera*

Polygala amarella Crantz

Polygala amblyptera Rechb.

Polygala anatolica Boiss. & Heldr.

Polygala andrachnoides Willd.

{*Polygala austriaca* auct. non Crantz} = *Polygala decipiens*

Polygala comosa Schkuhr

[*Polygala comosa* Schkuhr subsp. *podolica* (DC.) Schmalh.] = *Polygala podolica*

Polygala cretacea Kotov ~ *Polygala major*

Polygala decipiens Besser

(*Polygala hybrida* DC.) = *Polygala comosa*

{*Polygala hybrida* auct. non DC.} = *Polygala wolfgangiana*

(*Polygala kemulariae* Tamamsch.) = *Polygala makaschwilii*

Polygala major Jacq.

(*Polygala major* Jacq. var. *anatolica* (Boiss. & Heldr.) Schmalh.) = *Polygala anatolica*

Polygala makaschwilii Kem.-Nath.

Note: Reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Polygala moldavica Kotov

Polygala podolica DC.

Polygala sibirica L.

(*Polygala subamara* Fritsch) = *Polygala amblyptera*

Polygala vulgaris L.

Polygala wolfgangiana Besser ex Ledeb.

FAMILY Polygonaceae

- (*Acetosa acetosella* (L.) Mill.) = *Rumex acetosella*
{*Acetosa alpestris* auct. non (Jacq.) A.L.öve} = *Rumex arifolius*
[*Acetosa arifolia* (All.) Schur] = *Rumex arifolius*
[*Acetosa pratensis* Mill.] = *Rumex acetosa*
{*Acetosa pratensis* Mill. subsp. *alpestris* auct. non (Jacq.) A.L.öve} = *Rumex arifolius*
(*Acetosa rugosa* (Campd.) Holub) = *Rumex arifolius* subsp. *amplexicaulis*
[*Acetosa scutata* (L.) Mill.] = *Rumex scutatus*
[*Acetosa scutata* (L.) Mill. subsp. *hastifolia* (M.Bieb.) A.L.öve & Kapoor] = *Rumex scutatus* subsp. *hastifolius*
[*Acetosa thyrsoflora* (Fingerh.) A.L.öve & D.L.öve] = *Rumex thyrsoflorus*
- {*Acetosella angiocarpa* auct. non (Murb.) A.L.öve & D.L.öve} = *Rumex acetosella* subsp. *pyrenaicus*
(*Acetosella tenuifolia* (Wallr.) A.L.öve & D.L.öve) = *Rumex acetosella*
[*Acetosella vulgaris* Fourr.] = *Rumex acetosella*
[*Acetosella vulgaris* Fourr. subsp. *pyrenaica* (Pourr. ex Lapeyr.) A.L.öve] = *Rumex acetosella* subsp. *pyrenaicus*

Aconogonon alpinum (All.) Schur

***Aconogonon coriarium** (Grig.) Soják

Aconogonon divaricatum (L.) Nakai ex Mori

Note: A rare alien species reported from Kiev. Needs confirmation.

***Aconogonon weyrichii** (F.Schmidt) Hara

Atraphaxis frutescens (L.) K.Koch

Atraphaxis replicata Lam.

Conservation status: RDBU (3).

{*Atraphaxis spinosa* auct. non L.} = *Atraphaxis replicata*

(*Bilderdykia convolvulus* (L.) Dumort.) = *Fallopia convolvulus*

(*Bilderdykia dumetorum* (L.) Dumort.) = *Fallopia dumetorum*

(*Bilderdykia aubertii* (Henry) Moldenke) = *Fallopia aubertii*

(*Bilderdykia baldschuanica* (Regel) D.A.Webb) = *Fallopia baldschuanica*

Bistorta ensigera (Juz.) Tzvelev

(*Bistorta major* S.F.Gray) = *Bistorta officinalis*

(*Bistorta major* S.F.Gray subsp. *ensigera* (Juz.) Soják) = *Bistorta ensigera*

Bistorta officinalis Delarbre

Bistorta vivipara (L.) Delarbre

[*Bucephalophora aculeata* Pau] = *Rumex bucephalophorus*

*!**Fagopyrum esculentum** Moench

(*Fagopyrum sagittatum* Gilib., nom. illeg.) = *Fagopyrum esculentum*
Fagopyrum tataricum (L.) P.Gaertn.

****Fallopia aubertii*** (Henry) Holub

****Fallopia baldschuanica*** (Regel) Holub

[*Fallopia* × *bohemica* (Chrtek & Chrtková) J.Bailey] = *Reynoutria* × *bohemica*

Fallopia* × *convolvuloides (Brugger) Holub = *Fallopia convolvulus* × *Fallopia dumetorum*

Fallopia convolvulus (L.) A.Löve

Fallopia dumetorum (L.) Holub

[*Fallopia japonica* (Houtt.) Ronse Decr.] = *Reynoutria japonica*

****Fallopia multiflora*** (Thunb.) Haraldson

[*Fallopia sachalinensis* (F.Schmidt ex Maxim.) Ronse Decr.] = *Reynoutria sachalinensis*

Oxyria digyna (L.) Hill

Persicaria amphibia (L.) Delarbre

Persicaria brittingeri (Opiz) Opiz ~ *Persicaria lapathifolia* aggr.

Persicaria dubia (Stein) Fourr.

Persicaria hydropiper (L.) Delarbre

Persicaria hypanica (Klokov) Tzvelev ~ *Persicaria lapathifolia* aggr.

Persicaria lapathifolia (L.) Delarbre

Persicaria lapathifolia (L.) Delarbre subsp. ***andrzejowskiana*** (Klokov) Soják

[*Persicaria lapathifolia* (L.) Delarbre subsp. ***brittingeri*** (Opiz) Soják] = *Persicaria brittingeri*

(*Persicaria lapathifolia* (L.) Delarbre subsp. ***danubialis*** (A.Kern.) A.Löve & D.Löve) = *Persicaria brittingeri*

[*Persicaria lapathifolia* (L.) Delarbre subsp. ***hypanica*** (Klokov) Soják] = *Persicaria hypanica*

[*Persicaria lapathifolia* (L.) Delarbre subsp. ***leptoclada*** (Danser) Wisskirchen] = *Persicaria linicola*

[*Persicaria lapathifolia* (L.) Delarbre subsp. ***pallida*** (With.) A.Löve] = *Persicaria scabra*

[*Persicaria lapathifolia* (L.) Delarbre subsp. ***saporoviensis*** (Klokov) Soják] = *Persicaria saporoviensis*

(*Persicaria lapathifolia* (L.) Delarbre subsp. ***turgida*** (Thuill.) Soják) = *Persicaria scabra*

(*Persicaria laxiflora* (Weihe) Opiz) = *Persicaria dubia*

Persicaria linicola (Sutulov) Nenjukov ~ *Persicaria lapathifolia* aggr.

(*Persicaria maculata* (Raf.) Fourr. 1869, non S.F.Gray 1821) = *Persicaria maculosa*

(*Persicaria maculata* S.F.Gray) = *Persicaria lapathifolia*

Persicaria maculosa S.F.Gray

Persicaria minor (Huds.) Opiz

(*Persicaria mitis* Delarbre) = *Persicaria maculosa*

(*Persicaria mitis* (Schrank) Opiz ex Assenov 1966, non Delarbre 1800) = *Persicaria dubia*

*!***Persicaria orientalis*** (L.) Spach

Persicaria saporoviensis (Klokov) Tzvelev ~ *Persicaria lapathifolia* aggr.

Persicaria scabra (Moench) Moldenke. ~ *Persicaria lapathifolia* aggr.

***Persicaria tinctoria** (Aiton) Spach

(*Persicaria tomentosa* (Schrank) Bicknell) = *Persicaria lapathifolia*

(*Pleuropterus cordatus* Turcz.) = *Fallopia multiflora*

(*Pleuropterus multiflorus* (Thunb.) Turcz. ex Nakai) = *Fallopia multiflora*

(*Polygonum acetosellum* Klokov) = *Polygonum calcatum*

Polygonum achersonianum H.Gross

[*Polygonum alpinum* All.] = *Aconogonon alpinum*

[*Polygonum amphibium* L.] = *Persicaria amphibia*

[*Polygonum andrzejowskianum* Klokov] = *Persicaria lapathifolia* subsp. *andrzejowskiana*

Polygonum arenarium Waldst. & Kit.

Polygonum arenastrum Boreau

Polygonum arenastrum Boreau subsp. **caspicum** (Kom.) Tzvelev

{*Polygonum arenastrum* auct. non Boreau} = *Polygonum calcatum*

Polygonum argyrocoleon Steud. ex G.Kuntze

Note: A rare alien species reported from SE Ukraine.

Polygonum aviculare L. s.str.

{*Polygonum aviculare* auct. non L.} = *Polygonum arenastrum*

Polygonum bellardii All. s.str.

{*Polygonum bellardii* auct. non All.} = *Polygonum neglectum*

[*Polygonum bistorta* L.] = *Bistorta officinalis*

(*Polygonum bordzilowskii* Klokov) = *Polygonum novoascanicum*

[*Polygonum brittingeri* Opiz] = *Persicaria brittingeri*

Polygonum calcatum Lindm.

[*Polygonum caspicum* Kom.] = *Polygonum arenastrum* subsp. *caspicum*

(*Polygonum convolvulus* L.) = *Fallopia convolvulus*

[*Polygonum coriarum* Grig.] = *Aconogonon coriarium*

(*Polygonum cretaceum* Kom.) = *Polygonum novoascanicum*

(*Polygonum cuspidatum* Siebold & Zucc.) = *Reynoutria japonica*

(*Polygonum daphnophyllum* Andr.) = *Persicaria minor*

[*Polygonum divaricatum* L.] = *Aconogonon divaricatum*

(*Polygonum divaricatum* Less. 1834, non L. 1753) = *Polygonum pseudoarenarium*

(*Polygonum dumetorum* L.) = *Fallopia dumetorum*

[*Polygonum ensigerum* Juz.] = *Bistorta ensigera*

Polygonum euxinum Chrtek

(*Polygonum fagopyrum* L.) = *Fagopyrum esculentum*

(*Polygonum gracilius* (Ledeb.) Klokov) = *Polygonum patulum*

(*Polygonum heterophyllum* Lindm.) = *Polygonum aviculare*

[*Polygonum hydropiper* L.] = *Persicaria hydropiper*

[*Polygonum hypanicum* Klokov] = *Persicaria hypanica*

(*Polygonum incanum* F.W.Schmidt) = *Persicaria scabra*

(*Polygonum janatae* Klokov) = *Polygonum pulchellum*

(*Polygonum junceum* Ledeb. 1849, non C.Cunn. ex Lindl. 1948) = *Polygonum pseudoarenarium*

(Polygonum kitaibelianum Sadl.) = Polygonum bellardii
 (Polygonum kotovii Klokov) = Polygonum patulum
 [Polygonum lapathifolium L.] = Persicaria lapathifolia
 [Polygonum linicola Sutulov] = Persicaria linicola
Polygonum maritimum L.
 {Polygonum maritimum auct. non L.} = Polygonum mesembriticum
Polygonum mesembriticum Chrték
 [Polygonum minus Huds.] = Persicaria minor
 [Polygonum mite Schrank] = Persicaria dubia
 (Polygonum monspeliense Thiébaud ex Pers.) = Polygonum aviculare
Polygonum neglectum Besser
 (Polygonum nodosum Pers.) = Persicaria lapathifolia
Polygonum novoascanicum Klokov
 [Polygonum orientale L.] = Persicaria orientalis
 (Polygonum paniculatum Andr.) = Persicaria lapathifolia
Polygonum patuliforme Worosch.
Polygonum patulum M.Bieb.
 [Polygonum persicaria L.] = Persicaria maculosa
Polygonum propinquum Ledeb.
Polygonum psammophilum (Bordz. ex Tzvelev) Tzvelev ~ Polygonum novoascanicum
Polygonum pseudoarenarium Klokov
 (Polygonum pseudoincanum Klokov) = Persicaria lapathifolia
Polygonum pulchellum Loisel.
Polygonum ramosissimum Michx.
 Note: A rare alien species collected once in Kiev.
Polygonum rigidum B.Skvortsov
 Note: A rare alien species recently collected in SE Ukraine by V. Tokhtar.
 {Polygonum robertii auct. non Loisel.} = Polygonum euxinum
Polygonum rurivagum Jord. ex Boreau
 (Polygonum sachalinense F.Schmidt) = Reynoutria sachalinensis
Polygonum salsugineum M.Bieb.
 [Polygonum saporoviense Klokov] = Persicaria saporoviensis
 [Polygonum scabrum Moench] = Persicaria scabra
 (Polygonum schychowscii Andr.) = Persicaria dubia
 (Polygonum scythicum Klokov) = Polygonum achersonianum
 (Polygonum tataricum L.) = Fagopyrum tataricum
 [Polygonum tinctorium Aiton] = Persicaria tinctoria
 (Polygonum tomentosum Schrank) = Persicaria lapathifolia
 [Polygonum viviparum L.] = Bistorta vivipara
 [Polygonum weyrichii F.Schmidt] = Aconogonon weyrichii
 (Polygonum zaporoviense Klokov) = Persicaria saporoviensis

 (Reynoutria baldschuanica (Regel) Moldenke) = Fallopia baldschuanica
 *!Reynoutria × bohémica Chrték & Chrtková = Reynoutria japonica × Reynoutria sachalinensis

*!**Reynoutria japonica** Houtt.

*!**Reynoutria sachalinensis** (F.Schmidt ex Maxim.) Nakai

Note: Both species of *Reynoutria* should be regarded as invasive, especially in N and NW Ukraine. *Reynoutria japonica* seems to be more common in Ukraine than *R. sachalinensis*.

(*Reynoutria* × *vivax* J.Schmitz & Strank s.str.) = *Reynoutria sachalinensis*

{*Reynoutria* × *vivax* auct. non J.Schmitz & Strank} = *Reynoutria* · *bohemica*

***Rheum palmatum** L.

***Rheum rhabarbarum** L.

***Rheum rhaponticum** L.

***Rheum tataricum** L.f.

(*Rheum undulatum* L.) = *Rheum rhabarbarum*

Rumex × **abortivus** Ruhmer = *Rumex conglomeratus* × *Rumex obtusifolius*

Note: Data on hybrids of *Rumex* occurring in Ukraine are provided mainly by I.A. Pestova (unpublished thesis, 1998).

Rumex acetosa L.

{*Rumex acetosa* L. subsp. *alpestris* auct. non (Jacq.) A.Löve} = *Rumex arifolius*

(*Rumex acetosa* L. subsp. *thyrsiflorus* (Fingerh.) Hayek) = *Rumex thyrsiflorus*

Rumex acetosella L.

Rumex acetosella L. subsp. *acetoselloides* (Balansa) den Nijs

{*Rumex acetosella* L. subsp. *angiocarpus* auct. non (Murb.) Murb.} = *Rumex acetosella* subsp. *pyrenaicus*

Rumex acetosella L. subsp. **pyrenaicus** (Pourr. ex Lapeyr.) Akeroyd

[*Rumex acetoselloides* Balansa] = *Rumex acetosella* subsp. *acetoselloides*

(*Rumex alluvius* F.C.Gates & R.L.McGregor) = *Rumex stenophyllus*

(*Rumex alpinus* L. 1759, non L. 1753, nom. ambig.) = *Rumex pseudoalpinus*

(*Rumex alpestris* Jacq. s.str.) = *Rumex scutatus*

{*Rumex alpestris* auct. non Jacq.} = *Rumex arifolius*

(*Rumex amplexicaulis* Lapeyr.) = *Rumex arifolius* subsp. *amplexicaulis*

{*Rumex angiocarpus* auct. non Murb.} = *Rumex acetosella* subsp. *pyrenaicus*

Rumex aquaticus L.

Rumex arifolius All.

Rumex arifolius All. subsp. **amplexicaulis** (Lapeyr.) Nyman

(*Rumex aureus* Mill.) = *Rumex maritimus*

Rumex × **borbasii** Blocki = *Rumex confertus* × *Rumex obtusifolius*

?**Rumex bucephalophorus** L.

Note: Only old records of this rare alien species are available from Crimea.

(*Rumex carpaticus* (Zapal.) Zapal.) = *Rumex arifolius* subsp. *amplexicaulis*

Rumex confertus Willd.

Rumex × **confusus** Simonk. = *Rumex crispus* × *Rumex patientia*

Rumex conglomeratus Murray

Rumex × **conspersus** Hartm. = *Rumex aquaticus* × *Rumex crispus*

Rumex crispus L.

Rumex cristatus DC.

Rumex cristatus DC. subsp. **kernerii** (Borbás) Akeroyd & D.A. Webb

Rumex dentatus L. subsp. **halacsyi** (Rech. pat.) Rech. f.

(*Rumex digynus* L.) = *Oxyria digyna*

(*Rumex divaricatus* L.) = *Rumex pulcher* subsp. **woodsii**

(*Rumex domesticus* Hartm.) = *Rumex longifolius*

(*Rumex domesticus* Hartm. subsp. **ruthenicus** Lonacz. ex Pawl., nom. nud.) = *Rumex patientia* subsp. **orientalis**

[*Rumex euxinus* Klokov] = *Rumex tuberosus* subsp. **turcomanicus**

(*Rumex fasciobus* Klokov) = *Rumex acetosella* subsp. **asetoselloides**

(*Rumex fennicus* (Murb.) Murb.) = *Rumex pseudonatronatus*

(*Rumex graecus* Boiss. & Heldr.) = *Rumex cristatus* subsp. **cristatus**

(*Rumex halacsyi* Rech.) = *Rumex dentatus* subsp. **halacsyi**

(*Rumex haplorhizus* Czern. ex Turcz.) = *Rumex thyrsoflorus*

(*Rumex hastifolius* M. Bieb.) = *Rumex scutatus* subsp. **hastifolius**

Rumex × **heterophyllus** Schultz = *Rumex aquaticus* × *Rumex hydrolapathum*

Rumex hydrolapathum Huds.

Rumex × **intercedens** Rech. = *Rumex crispus* × *Rumex stenophyllus*

[*Rumex kernerii* Borbás] = *Rumex cristatus* subsp. **kernerii**

(*Rumex* × **knekii** Rech.) = *Rumex* × **pratensis**

Rumex × **larinii** Borodina = *Rumex maritimus* × *Rumex marschallianus*

[*Rumex lonaczewskii* Klokov] = *Rumex patientia* subsp. **orientalis**

Rumex longifolius DC.

Rumex maritimus L.

Rumex marschallianus Rechb.

(*Rumex montanus* Desf.) = *Rumex arifolius*

Rumex obtusifolius L.

Rumex obtusifolius L. subsp. **subalpinus** (Schur) Čelak.

Rumex obtusifolius L. subsp. **sylvestris** (Lam.) Čelak.

Rumex obtusifolius L. subsp. **transiens** (Simonk.) Rech. f.

(*Rumex odontocarpus* Sándor ex Borbás) = *Rumex stenophyllus*

(*Rumex orientalis* Bernh. 1830, non Campd. 1819) = *Rumex patientia* subsp. **orientalis**

Rumex palustris Smith

(*Rumex papularis* Boiss. & Reuter) = *Rumex thyrsoflorus* subsp. **papularis**

Rumex patientia L.

Rumex patientia L. subsp. **orientalis** Danser

Rumex × **pratensis** Mert. & W.D.J. Koch = *Rumex crispus* × *Rumex obtusifolius*

Rumex pseudoalpinus Hoeffl

Rumex pseudonatronatus (Borbás) Borbás ex Murb.

Rumex pulcher L.

(*Rumex pulcher* L. subsp. **divaricatus** (L.) Murb.) = *Rumex pulcher* subsp. **woodsii**

Rumex pulcher L. subsp. **raulinii** (Boiss.) Rech. f.

Rumex pulcher L. subsp. **woodsii** (De Not.) Arcang.

(*Rumex raulinii* Boiss.) = *Rumex pulcher* subsp. **raulinii**

{*Rumex reticulatus* auct. non Besser} = *Rumex dentatus* subsp. **halacsyi**

(*Rumex rugosus* Campd.) = *Rumex arifolius* subsp. *amplexicaulis*
Rumex × **salicetorum** Rech. = *Rumex crispus* × *Rumex pseudonatronatus*
(*Rumex salicifolius* Weinm. subsp. *triangulivalvis* Danser) = *Rumex triangulivalvis*
(*Rumex salicifolius* Weinm. var. *triangulivalvis* (Danser) Hickman) = *Rumex triangulivalvis*
Rumex sanguineus L.
Rumex × **schreberi** Hausskn. = *Rumex crispus* × *Rumex hydrolapathum*
Rumex × **schulzei** Hausskn. = *Rumex conglomeratus* × *Rumex crispus*
Rumex scutatus L.
{*Rumex scutatus* L. subsp. *glaucus* sensu Gaudin ex Wulf, non *R. glaucus* Jacq.} = *Rumex scutatus* subsp. *hastifolius*
Rumex scutatus L. subsp. **hastifolius** (M.Bieb.) Borodina
Rumex × **skofitzii** Blocki = *Rumex confertus* × *Rumex crispus*
Rumex × **stenophylloides** Simonk. = *Rumex maritimus* × *Rumex stenophyllus*
Rumex stenophyllus Ledeb.
(*Rumex sylvestris* (Lam.) Wallr.) = *Rumex obtusifolius* subsp. *sylvestris*
(*Rumex sylvestris* (Lam.) Wallr. var. *transiens* Simonk.) = *Rumex obtusifolius* subsp. *transiens*
Rumex thyrsoflorus Fingerh.
Rumex thyrsoflorus Fingerh. subsp. **papillaris** (Boiss. & Reuter) Sagredo & Malag.
Rumex triangulivalvis (Danser) Rech.f.
Rumex tuberosus L. subsp. **turcomanicus** Rech.f.
(*Rumex tuberosus* L. subsp. *euxinus* (Klokov) Borodina) = *Rumex tuberosus* subsp. *turcomanicus*
Rumex ucranicus Fisch. ex Spreng.
Conservation status: ERL (R).
Rumex × **weberi** Fisch.-Benz. = *Rumex hydrolapathum* × *Rumex obtusifolius*
(*Rumex woodsii* De Not.) = *Rumex pulcher* subsp. *woodsii*

FAMILY Portulacaceae

*!*Portulaca grandiflora* Hook.
Portulaca oleracea L.
Portulaca oleracea* L. subsp. **sativa (Haw.) Schuebl. & G.Martens
(*Portulaca sativa* Haw.) = *Portulaca oleracea* subsp. *sativa*

FAMILY Primulaceae

Anagallis arvensis L.
(*Anagallis arvensis* L. subsp. *foemina* (Mill.) Schinz & Thell.) = *Anagallis foemina*
(*Anagallis caerulea* Schreb.) = *Anagallis foemina*
Anagallis foemina Mill.
[*Anagallis minima* (L.) E.Krause] = *Centunculus minimus*
?**Anagallis tenella** (L.) L.
Note: Uncertain records from Crimea

Androsace bidentata K.Koch

Note: Reported for Crimea, Alushta (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

Androsace elongata L.

Androsace koso-poljanskii Ovcz.

Conservation status: RDBU (1); IUCN RL (1); ERL (R).

Androsace maxima L. subsp. **turczaninovii** (Freyn) Fed.

Androsace septentrionale L.

Androsace taurica Ovcz.

[**Androsace turczaninovii** Freyn] = **Androsace maxima** subsp. **turczaninovii**

[**Androsace villosa** L. subsp. **koso-poljanskii** (Ovcz.) Fed.] = **Androsace koso-poljanskii**

[**Androsace villosa** L. subsp. **taurica** (Ovcz.) Fed.] = **Androsace taurica**

Asterolinon linum-stellatum (L.) Duby

Centunculus minimus L.

Cortusa matthioli L.

{**Cyclamen coum** auct. non Mill.} = **Cyclamen kuznetzovii**

{**Cyclamen europaeum** auct. non L.} = **Cyclamen purpurascens**

Cyclamen kuznetzovii Kotov & Czernowa ~ **Cyclamen coum** s.l.

Conservation status: RDBU (1); IUCN RL (E); ERL (R).

***Cyclamen purpurascens** Mill.

Glaux maritima L.

Hottonia palustris L.

?**Lysimachia dubia** Sol.

Note: **Lysimachia dubia** was reported from Crimea; now extinct?

(**Lysimachia linum-stellatum** L.) = **Asterolinon linum-stellatum**

Lysimachia nemorum L.

Lysimachia nummularia L.

Lysimachia punctata L.

(**Lysimachia thyrsoflora** L.) = **Naumburgia thyrsoflora**

Lysimachia verticillaris Spreng.

(**Lysimachia verticillata** M.Bieb.) = **Lysimachia verticillaris**

Lysimachia vulgaris L.

Naumburgia thyrsoflora (L.) Rehb.

Primula acaulis (L.) L.

{**Primula carpathica** auct. non (Griseb. & Schenk) Fuss} = **Primula poloninensis**

Primula elatior (L.) Hill

Primula farinosa L.

Conservation status: RDBU (1).

Note: Probably extinct in the Carpathians.

Primula halleri J.F.Gmel.

(*Primula komarovii* Losinsk.) = *Primula sibthorpii*

Primula macrocalyx Bunge

Primula minima L.

Conservation status: RDBU (2).

(*Primula officinalis* (L.) Hill) = *Primula veris*

Primula poloninensis (Domin) Fed. ~ *Primula elatior*

Conservation status: ERL (R).

Primula sibthorpii Hoffm. ~ *Primula acaulis*

Conservation status: ERL (R), as *Primula komarovii*.

Primula veris L.

[*Primula veris* L. subsp. *macrocalyx* (Bunge) Ludi] = *Primula macrocalyx*

(*Primula vulgaris* Huds.) = *Primula acaulis*

(*Primula vulgaris* Huds. subsp. *sibthorpii* (Hoffm.) W.W.Smith & Forrest) = *Primula sibthorpii*

(*Primula vulgaris* Huds. subsp. *komarovii* (Losinsk.) Soó) = *Primula sibthorpii*

Samolus valerandi L.

Soldanella hungarica Simonk.

(*Soldanella marmarossiensis* Kláštersky) = *Soldanella hungarica*

Soldanella montana Willd.

[*Soldanella montana* Willd. subsp. *hungarica* (Simonk.) Luedi] = *Soldanella hungarica*

(*Soldanella pseudomontana* F.K.Mey.) = *Soldanella montana*

Trientalis europaea L.

FAMILY Punicaceae

***Punica granatum** L.

FAMILY Pyrolaceae

Chimaphila umbellata (L.) W.Barton

Moneses uniflora (L.) A.Gray

Orthilia secunda (L.) House

Pyrola carpatica Holub & Křisa ~ *Pyrola rotundifolia*

Pyrola chlorantha Sw.

Pyrola media Sw.

Pyrola minor L.

Pyrola rotundifolia L.

(*Pyrola secunda* L.) = *Orthilia secunda*

(*Pyrola umbellata* L.) = *Chimaphila umbellata*

(*Pyrola uniflora* L.) = *Moneses uniflora*

(*Ramischia secunda* (L.) Gareke) = *Orthilia secunda*

FAMILY * *Ranunculaceae*

Aconitum anthora L.

(*Aconitum anthora* L. subsp. *jacquinii* (Rchb.) Domin) = *Aconitum jacquinii*

(*Aconitum anthora* L. subsp. *nemorosum* (M.Bieb. ex Rchb.) Worosch.) = *Aconitum nemorosum*

(*Aconitum besserianum* Andrz. ortho) = *Aconitum besserianum*

Aconitum besserianum Andrz. ex Trautv. = *Aconitum lycoctonum* aggr.

Conservation status: RDBU (1), as *Aconitum besserianum*.

Aconitum bucovinense Zapal. = *Aconitum napellus* aggr.

****Aconitum* × *cammarum*** L. = *Aconitum napellus* × *Aconitum variegatum*

{*Aconitum cammarum* auct. non L.} = *Aconitum variegatum* s.l.

Aconitum degenii Gäyer

Aconitum eulophum Rchb. ~ *Aconitum anthora* aggr.

Aconitum firmum Rchb. ~ *Aconitum napellus* aggr.

Conservation status: IUCN RL (V), as *Aconitum napellus* subsp. *firmum*.

Aconitum gracile Rchb. ~ *Aconitum variegatum* aggr.

Aconitum hosteanum Schur ~ *Aconitum lycoctonum* aggr.

Aconitum jacquinii Rchb. ~ *Aconitum anthora* aggr.

Conservation status: RDBU (3).

(*Aconitum lasiocarpum* (Rchb.) Gäyer) = *Aconitum degenii*

Aconitum lasiostomum Rchb. ~ *Aconitum lycoctonum* aggr.

(*Aconitum leucanthum* Andrz.) = *Aconitum lasiostomum*

{*Aconitum lycoctonum* auct. non L.} = *Aconitum lasiostomum* & *Aconitum besserianum*

(*Aconitum lycoctonum* L. subsp. *carpathicum* (DC.) K. Warncke) = *Aconitum moldavicum*

(*Aconitum lycoctonum* L. subsp. *lasiostomum* (Rchb.) K. Warncke) = *Aconitum lasiostomum*

{*Aconitum lycoctonum* L. subsp. *lasiostomum* auct. non (Rchb.) K. Warncke s.str.} =
Aconitum besserianum & *Aconitum rogoviczii*

(*Aconitum lycoctonum* L. subsp. *moldavicum* (Hacq. ex Rchb.) Jalas) = *Aconitum moldavicum*

(*Aconitum lycoctonum* L. subsp. *vulparia* (Rchb. ex Spreng.) Nyman) = *Aconitum vulparia*

(*Aconitum lycoctonum* L. var. *carpathicum* (DC.) Ser.) = *Aconitum moldavicum*

Aconitum moldavicum Hacq. ex Rchb. ~ *Aconitum lycoctonum* aggr.

(*Aconitum moldavicum* Hacq. ex Rchb. subsp. *carpathicum* (DC.) Dostál) = *Aconitum moldavicum*

(*Aconitum moldavicum* Hacq. ex Rchb. subsp. *hosteanum* (Schur) Asch. & Graebn.) =
Aconitum hosteanum

Aconitum nanum (Baumg.) Simonk. ~ *Aconitum napellus* aggr.

Aconitum nemorosum M.Bieb. ex Rechb. ~ *Aconitum anthora* aggr.

***Aconitum napellus** L.

(*Aconitum napellus* L. subsp. *firmum* (Rechb.) Gáyer) = *Aconitum firmum*

{*Aconitum napellus* L. subsp. *tauricum* auct. non (Wulfen) Gáyer} = *Aconitum nanum*

(*Aconitum odonandrum* Wissjul., sphalm.) = *Aconitum odontandrum*

Aconitum odontandrum Wissjul. ~ *Aconitum variegatum* aggr.

Note: Taxonomic status uncertain. Plants collected in locus classicus (near Kiev) are probably escaped specimens of *A. × cammarum* (= *A. stoerckianum*) previously cultivated in adjacent villages.

(*Aconitum paniculatum* Lam., nom. illeg.) = *Aconitum × cammarum*

{*Aconitum paniculatum* auct. non Lam.} = *Aconitum degenii* & *Aconitum podolicum*

(*Aconitum paniculatum* Lam. var. *podolicum* Zapal.) = *Aconitum podolicum*

Aconitum podolicum (Zapal.) Worosch. ~ *Aconitum degenii* aggr.

Note: Taxonomic status uncertain.

Aconitum pseudanthora Błocki ex Pacz. ~ *Aconitum anthora* aggr.

Conservation status: RDBU (1).

Aconitum rogoviczii Wissjul. ~ *Aconitum lyeoconum* aggr.

(*Aconitum rogoviczii* Wissjul., ortho) = *Aconitum rogoviczii*

Aconitum romanicum Wolf. ~ *Aconitum napellus* aggr.

(*Aconitum stoerckianum* Rechb.) = *Aconitum × cammarum*

(*Aconitum tauricum* Wulfen subsp. *nanum* (Baumg.) Gáyer) = *Aconitum nanum*

Aconitum variegatum L.

(*Aconitum variegatum* L. subsp. *gracile* (Rechb.) Gáyer) = *Aconitum gracile*

(*Aconitum variegatum* L. subsp. *paniculatum* (Arcang.) Greuter & Burdet) = *Aconitum degenii* s.l.

?**Aconitum vulparia** Rechb. ex Spreng. ~ *Aconitum lyeoconum* aggr.

Note: Probably occurs in the Ukrainian Carpathians; confirmation needed because of many confusing names applied to Carpathian taxa of the *A. lyeoconum* group.

{*Actaea cimicifuga* auct. non L.} = *Cimicifuga europaea*

Actaea spicata L.

(*Adonanthe vernalis* (L.) Spach) = *Adonis vernalis*

(*Adonanthe wolgensis* (Steven) Chrtek & Slaviková) = *Adonis wolgensis*

Adonis aestivalis L.

Adonis annua L.

(*Adonis autumnalis* L.) = *Adonis annua*

{*Adonis autumnalis* auct. non L.} = *Adonis aestivalis*

(*Adonis caudata* Steven) = *Adonis flammea*

Adonis ericalycina Boiss.

Note: Reported for Crimea, Sudak (see V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54); needs confirmation.

Adonis flammea Jacq.

(*Adonis marschalliana* Andr. & Besser) = *Adonis wolgensis*

(*Adonis miniata* Besser) = *Adonis aestivalis*
(*Adonis squarrosa* Steven) = *Adonis aestivalis*
Adonis vernalis L.
Adonis wolgensis Steven

[*Anemonastrum narcissiflorum* (L.) Holub] = *Anemone narcissiflora*

(*Anemone hepatica* L.) = *Hepatica nobilis*
Anemone laxa (Ulbr.) Juz. ~ *Anemone narcissiflora*
Conservation status: RDBU (1).
Note: Most probably conspecific with *A. narcissiflora* s.str.
Anemone narcissiflora L.
(*Anemone narcissiflora* L. var. *laxa* Ulbr.) = *Anemone laxa*
(*Anemone narcissiflora* L. var. *podolica* Zapal.) = *Anemone laxa*
(*Anemone narcissifolia* L., sphalm.) = *Anemone narcissiflora*
Anemone nemorosa L.
(*Anemone patens* L.) = *Pulsatilla patens*
(*Anemone pratensis* L.) = *Pulsatilla pratensis*
Anemone ranunculoides L.
(*Anemone scherfelii* Ullep.) = *Pulsatilla scherfelii*
Anemone sylvestris L.

[*Anemonoides nemorosa* (L.) Holub] = *Anemone nemorosa*
[*Anemonoides ranunculoides* (L.) Holub] = *Anemone ranunculoides*

{*Aquilegia alpina* auct. non L.} = *Aquilegia transsilvanica*
(*Aquilegia longisepala* Zimmeter) = *Aquilegia vulgaris*
Aquilegia nigricans Baumg.
Conservation status: RDBU (1).
Aquilegia transsilvanica Schur
Conservation status: RDBU (1).
Aquilegia vulgaris L.
[*Aquilegia vulgaris* L. subsp. *nigricans* (Baumg.) Domin] = *Aquilegia nigricans*

Atragene alpina L.
(*Atragene alpina* L. subsp. *sibirica* (L.) A.Löve & D.Löve) = *Atragene sibirica*
***Atragene macropetala** (Ledeb.) Ledeb.
***Atragene sibirica** L.

Batrachium aquatile (L.) Dumort.
(*Batrachium carinatum* Schur) = *Batrachium aquatile*
Batrachium circinatum (Sibth.) Spach
(*Batrachium divaricatum* (Schrank) Wimmer) = *Batrachium trichophyllum*
Batrachium fluitans (Lam.) Wimmer
(*Batrachium fluviatile* (F. Weber) S.F. Gray) = *Batrachium fluitans*

(*Batrachium foeniculaceum* (Gilib.) V.Krecz.) = *Batrachium circinatum*
(*Batrachium gilibertii* V.Krecz.) = *Batrachium aquatile*
(*Batrachium kauffmannii* (Clere) V.Krecz.) = *Batrachium trichophyllum*
Batrachium rionii (Lagger) Nyman
Batrachium trichophyllum (Chaix) Bosch

Buschia lateriflora (DC.) Ovcz.

Callianthemum coriandrifolium Rehb.

Note: Reported for the Ukrainian Carpathians (see Y. Kobiv & Y. Nesteruk, 1996, Ukr Bot. Zhurn. 53(3): 219-223).

Caltha cornuta Schott, Nyman & Kotschy ~ *Caltha palustris* s.l.

Caltha laeta Schott, Nyman & Kotschy ~ *Caltha palustris* s.l.

Caltha palustris L.

Note: All taxa of *Caltha* reported from Ukraine seem to be infraspecific entities (varieties ?) of *C. palustris* s.l.

[*Caltha palustris* L. subsp. *cornuta* (Schott, Nyman & Kotschy) Hegi] = *Caltha cornuta*

[*Caltha palustris* L. subsp. *laeta* (Schott, Nyman & Kotschy) Hegi] = *Caltha laeta*

(*Caltha vulgaris* Schott, Nyman & Kotschy) = *Caltha palustris*

Ceratocephala falcata (L.) Pers. aggr.

Note: M. Klokov recognized both *C. incurva* and *C. platyceras*, and reported them from Crimea instead of *C. falcata*. See discussion in M. Klokov (1978, *Novitates Systematicae Plantarum Vascularium et Non Vascularium* (Kiev) 1977: 7-73), and J. Chrtek & A. Chrtková (1976, *Preslia* 48: 113-123). Occurrence of *C. falcata* in Ukraine needs confirmation.

[*Ceratocephala falcata* (L.) Pers. subsp. *incurva* (Steven) Chrtek & Chrtkova] =
Ceratocephala incurva

Ceratocephala incurva Steven ~ *Ceratocephala falcata* aggr.

(*Ceratocephala orthoceras* DC.) = *Ceratocephala testiculata*

(*Ceratocephala platyceras* Steven) = *Ceratocephala falcata*

Ceratocephala testiculata (Crantz) Besser

(*Ceratocephalus*, ortho) = *Ceratocephala*

Cimicifuga europaea Schipcz.

{*Cimicifuga foetida* auct. non L.} = *Cimicifuga europaea*

[*Clematis alpina* (L.) Mill.] = *Atragene alpina*

Clematis flammula L.

Clematis integrifolia L.

****Clematis jackmannii*** Moore

Clematis lathyrifolia Besser ex Rehb. ~ *Clematis recta* s.l.

Clematis orientalis L.

Clematis recta L.

Clematis vitalba L.

***Clematis viticella** L.

Note: Ca. 25 ornamental species and many garden forms and hybrids of *Clematis* are cultivated in botanical gardens and parks.

(*Consolida ambigua* (L.) P.W.Ball & Heywood) = *Consolida ajacis*

(*Consolida arvensis* Opiz) = *Consolida regalis*

*!**Consolida ajacis** (L.) Schur

[*Consolida ajacis* (L.) Schur subsp. *orientalis* (J.Gay ex Gren. & Godr.) Schmalh.] =

Consolida orientalis

Consolida divaricata (Ledeb.) Schroedinger ~ *Consolida regalis* aggr.

(*Consolida hispanica* (Costa) Greuter & Burdet) = *Consolida orientalis*

Consolida orientalis (J.Gay ex Gren. & Godr.) Schroedinger ~ *Consolida ajacis* aggr.

Note: According to some authorities, *C. orientalis* is conspecific with *C. ajacis*. If so, then the correct name for our plant would be *C. hispanica* (see W. Greuter & H. Burdet, 1989, *Willdenowia* 19: 43).

Consolida paniculata (Host) Schur ~ *Consolida regalis* aggr.

Consolida regalis S.F.Gray

[*Consolida regalis* S.F.Gray subsp. *paniculata* (Host) Soó] = *Consolida paniculata*

[*Consolida regalis* S.F.Gray subsp. *divaricata* (Ledeb.) Muntz] = *Consolida divaricata*

(*Consolida segetum* (Lam.) Schur) = *Consolida regalis*

Delphinium cuneatum Steven ex DC.

Delphinium elatum L.

Conservation status: RDBU (1).

(*Delphinium elatum* L. subsp. *nacladense* (Zapal.) Holub) = *Delphinium nacladense*

{*Delphinium fissum* auct. non Waldst. & Kit.} = *Delphinium pallasii*

(*Delphinium fissum* Waldst. & Kit. subsp. *pallasii* (Nevski) Greuter & Burdet) =

Delphinium pallasii

(*Delphinium hybridum* L., nom. ambig. & nom. conf.) = *Delphinium cuneatum*

{*Delphinium hybridum* sensu Steven ex Willd. & Steven ex DC., non L.} = *Delphinium pallasii* & *Delphinium sergii*

(*Delphinium hybridum* Steven ex Willd. subsp. *puniceum* (Pall.) Schmalh.) = *Delphinium puniceum*

(*Delphinium intermedium* Söl.) = *Delphinium elatum*

{*Delphinium leiocarpum* auct. non Hutt.} = *Delphinium schmalhausonii*

Delphinium litwinowii Sambuk ~ *Delphinium cuneatum* s.l.

Note: Probably a synonym of *D. cuneatum* s.str.

Delphinium nacladense Zapal. = *Delphinium elatum*

Delphinium pallasii Nevski ~ *Delphinium fissum*

Conservation status: RDBU (3); IUCN RL (1), as *Delphinium fissum* s.l.

Note: Probably conspecific with *D. fissum*.

Delphinium puniceum Pall.

Conservation status: RDBU (1).

(*Delphinium rossicum* Litv.) = *Delphinium cuneatum*

{*Delphinium schmalhauseni* auct. non Albov} = *Delphinium sergii*

Delphinium sergii Wissjul. ~ *Delphinium schmalhauseni*

Conservation status: RDBU (3).

Note: See discussion on taxonomy of *Aconitum* in Ukraine (O. Dubovik, 1991, Ukr. Bot. Zhurn. 48(1): 21-25).

Ficaria bulbifera Holub ~ *Ficaria verna* aggr.

Ficaria calthifolia Rchb. ~ *Ficaria verna* aggr.

(*Ficaria nudicaulis* A.Kern.) = *Ficaria calthifolia*

Ficaria stepporum P.Smirt. ~ *Ficaria verna* aggr.

Ficaria verna Huds. aggr.

Note: In Ukraine this aggregate is represented mostly by the tetraploid (occasionally triploid ?) species or subspecies *F. bulbifera* (= *F. verna* subsp. *bulbifera*); another group consists of closely related *F. calthifolia* and *F. stepposa*. In addition to these taxa, *F. grandiflora* Robert (= *F. popovii* A.P.Khokhr.) may be expected in Crimea. The diploid *F. verna* subsp. *verna* (= *Ranunculus ficaria* subsp. *ficaria*) occurs in W Europe.

[*Ficaria verna* Huds. subsp. *calthifolia* (Rchb.) Velen.] = *Ficaria calthifolia*

[*Ficaria verna* subsp. *bulbifera* A.Löve & D.Löve] = *Ficaria bulbifera*

[*Garidella nigellastrum* L.] = *Nigella nigellastrum*

*!***Helleborus dumetorum*** Waldst. & Kit.

Helleborus niger L.

Conservation status: RDBU (1).

Note: This species is probably represented in Ukraine by cultivated and escaped plants.

Helleborus purpurascens Waldst. & Kit.

*!***Helleborus viridis*** L.

Hepatica nobilis Schreb.

Isopyrum thalictroides L.

Myosurus minimus L.

Nigella arvensis L.

*!***Nigella damascena*** L.

(*Nigella damascena* L. subsp. *elata* (Boiss.) N.Terracc.) = *Nigella elata*

Nigella elata Boiss.

Note: Reported from Crimea (see J. Jalas & J. Suominen, 1989, *Atlas Fl. Europ.* 8: 36). (*Nigella garidella* Spenner) = *Nigella nigellastrum*

Nigella nigellastrum (L.) Willk.

Note: See also *Garidella*.

*!***Nigella sativa*** L.

Nigella segetalis M.Bieb.

(*Nigella taurica* Steven) = *Nigella elata*

{*Pulsatilla alba* auct. non Rehb. s.str., nom. illeg.} = *Pulsatilla scherfelii*
 {*Pulsatilla alpina* auct. non (L.) Delarbre} = *Pulsatilla scherfelii*
 {*Pulsatilla alpina* (L.) Delarbre subsp. *alba* auct. non Domin} = *Pulsatilla scherfelii*
 (*Pulsatilla alpina* (L.) Delarbre subsp. *alpicola* Neumayer) = *Pulsatilla scherfelii*
 (*Pulsatilla alpina* (L.) Delarbre subsp. *austriaca* Aichele & Schwegler) = *Pulsatilla scherfelii*
 (*Pulsatilla donetzica* Kotov) = *Pulsatilla pratensis*
 {*Pulsatilla halleri* auct. non (All.) Willd.} = *Pulsatilla taurica*
 (*Pulsatilla halleri* (All.) Willd. subsp. *grandis* (Wender.) Meikle) = *Pulsatilla grandis*
 (*Pulsatilla halleri* (All.) Willd. subsp. *taurica* (Juz.) K.Krause) = *Pulsatilla taurica*
***Pulsatilla grandis* Wender.**

Conservation status: RDBU (2).

(*Pulsatilla kioviensis* Wissjul.) = *Pulsatilla patens*

Note: Taxonomic status uncertain; the type probably belongs to *P. × wolfgangiana*.

(*Pulsatilla latifolia* Rupr.) = *Pulsatilla patens*

(*Pulsatilla litophila* Kotov) = *Pulsatilla taurica*

(*Pulsatilla montana* (Hoppe) Rehb.) = *Pulsatilla pratensis*

(*Pulsatilla nigricans* Stoerck) = *Pulsatilla pratensis*

***Pulsatilla patens* (L.) Mill.**

***Pulsatilla pratensis* (L.) Mill.**

Conservation status: RDBU (2), as *Pulsatilla nigricans*.

Note: In Ukraine represented mostly (or exclusively?) by subsp. *nigricans* (Stoerck)

Zamels. Many other names (species and infraspecific entities) were applied to the

Ukrainian plants of this variable aggregate. Their taxonomic value is dubious, and

at present it is much realistic to treat *P. pratensis* in a broad sense.

***Pulsatilla scherfelii* (Ullep.) Skalicky**

Conservation status: RDBU (3), as *Pulsatilla alba*.

***Pulsatilla taurica* Juz.**

Conservation status: RDBU (3); ERL (1).

(*Pulsatilla ucrainica* (Ugr.) Wissjul.) = *Pulsatilla pratensis*

{*Pulsatilla vulgaris* auct. non Mill.} = *Pulsatilla grandis*

(*Pulsatilla vulgaris* Mill. subsp. *grandis* (Wender.) Zamels) = *Pulsatilla grandis*

Pulsatilla × wolfgangiana* (Besser) Juz. = *Pulsatilla patens* × *Pulsatilla pratensis

[*Ranula platanifolia* (L.) Fourr.] = *Ranunculus platanifolius*

(*Ranunculus acriformis* Soó, non A.Gray) = *Ranunculus pseudoacris*

***Ranunculus acris* L.**

(*Ranunculus acris* L. subsp. *friesianus* (Jord.) Rouy & Fouc.) = *Ranunculus stevenii*

(*Ranunculus acer* auct.) = *Ranunculus acris*

{*Ranunculus aconitifolius* auct. non L.} = *Ranunculus platanifolius*

[*Ranunculus aconitifolius* L. subsp. *platanifolius* (L.) Berher] = *Ranunculus platanifolius*

(*Ranunculus aconitifolius* L. var. *platanifolius* (L.) DC.) = *Ranunculus platanifolius*

[*Ranunculus aquatilis* L.] = *Batrachium aquatile*

***Ranunculus arvensis* L.**

Ranunculus auricomus L.

(*Ranunculus auricomus* L. var. *fallax* Wimmer & Grab.) = *Ranunculus fallax*

(*Ranunculus breyninus* Crantz, nom. *ambig.*) = *Ranunculus oreophilus*

{*Ranunculus breyninus* auct. non Crantz} = *Ranunculus nemorosus*

Note: The name *R. breyninus* was commonly misapplied to Carpathian populations of *R. nemorosus*.

{*Ranunculus brutius* auct. non Ten.} = *Ranunculus crimaeus*

Ranunculus budensis Soó ~ *Ranunculus schwarzii* aggr.

Note: Reported from Mukachevo, Transcarpathia (N. Tsvelev, 1996, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 30: 53-78).

Ranunculus bulbosus L.

(*Ranunculus bulbosus* L. subsp. *neapolitanus* (Ten.) Lindb.f.) = *Ranunculus neapolitanus*

{*Ranunculus calthifolius* (Rchb.) Bluff, Nees & Schauer} = *Ficaria calthifolia*

Ranunculus carpaticola Soó ~ *Ranunculus cassubicus* aggr.

Ranunculus carpaticus Herbich

(*Ranunculus carpaticus* Griseb., non Herbich) = *Ranunculus thora*

Ranunculus cassubicifolius W.Koch ~ *Ranunculus cassubicus* aggr.

Ranunculus cassubicus L.

Note: This aggregate is represented in Ukraine by numerous poorly known apomictic "microspecies".

{*Ranunculus caucasicus* auct. non M.Bieb.} = *Ranunculus pavlii*

Note: Crimean records of this species refer mostly to *R. pavlii*; the name was also misapplied to *R. dissectus* and *R. crimaeus*.

{*Ranunculus caucasicus* M.Bieb. subsp. *pavlii* A.Jelen. & Derviz-Sokolova} = *Ranunculus pavlii*

Ranunculus chius DC.

{*Ranunculus circinatus* Sibth.} = *Batrachium circinatum*

Ranunculus constantinopolitanus (DC.) D'Urv.

Note: See discussion on *R. constantinopolitanus* and related species (A. Elenevsky & T. Derviz-Sokolova, 1979, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 16: 114-119).

?**Ranunculus crenatus** Waldst. & Kit.

Note: Records from the Carpathians need confirmation.

Ranunculus crimaeus Juz.

Conservation status: ERL (R).

(*Ranunculus czywczynensis* Jasiew.) = *Ranunculus cassubicifolius*

Ranunculus deripovae Tzvelev ~ *Ranunculus auricomus* aggr.

Note: According to N. Tsvelev (1996, l.c.), this species is closely related to *R. obtusulus*.

Ranunculus dissectus M.Bieb.

Note: *Ranunculus crimaeus* and *R. dissectus* are closely related to *R. brutius* Ten.

(*Ranunculus divaricatus* Schrank) = *Batrachium trichophyllum*

{*Ranunculus divaricatus* auct. non Schrank} = *Batrachium circinatum*

Ranunculus estherae Soó ~ *Ranunculus szaferei* aggr.

{*Ranunculus falcatus* L.} = *Ceratocephala falcata*

Ranunculus fallax (Wimmer & Grab.) Sloboda

Note: Represented in Ukraine by several poorly delimited apomictic "microspecies" combining characters of the *R. auricomus* and *R. cassubicus* groups.

[*Ranunculus ficaria* L.] = *Ficaria verna* aggr.

Note: See note under *Ficaria verna*.

[*Ranunculus ficaria* L. subsp. *bulbifer* Lambinon] = *Ficaria bulbifera*

(*Ranunculus ficaria* L. subsp. *bulbifer* Lavalree, nom. illeg.) = *Ficaria bulbifera*

[*Ranunculus ficaria* L. subsp. *calthifolius* (Rthb.) A.Kern.] = *Ficaria calthifolia*

Ranunculus flammula L.

(*Ranunculus flammula* L. subsp. *reptans* (L.) Korsh.) = *Ranunculus reptans*

[*Ranunculus fluitans* Lam.] = *Batrachium fluitans*

(*Ranunculus fluviatilis* F.Weber) = *Batrachium fluitans*

(*Ranunculus friesianus* Jord.) = *Ranunculus stevenii*

{*Ranunculus friesianus* auct. non Jord.} = *Ranunculus nemorivagus*

(*Ranunculus friesianus* Jord. subsp. *strigulosus* (Schur) A.Jelen. & Derviz-Sokolova) =

Ranunculus stevenii

?**Ranunculus glacialis** L.

Note: May be expected in the Carpathians.

Ranunculus gayeri Soó ~ *Ranunculus fallax* aggr.

Note: Reported from Uman, Cherkasy region (N. Tsvelev, 1996, l.c.).

(*Ranunculus heterophyllus* F.Weber) = *Batrachium aquatile*

Ranunculus heuffelii Soó ~ *Ranunculus schwarzii* aggr.

Note: Reported from Kiev and Dnepropetrovsk (Tsvelev, 1996, l.c.).

(*Ranunculus hornschiuchii* Hoppe) = *Ranunculus oreophilus*

{*Ranunculus hornschiuchii* auct. non Hoppe} = *Ranunculus zapalowiczii*

?**Ranunculus hungaricus** Soó ~ *Ranunculus cassubicus* aggr.

Note: No exact Ukrainian localities known; probably occurs in the Carpathians.

Ranunculus illyricus L.

Ranunculus kalinensis Jasiew. ~ *Ranunculus fallax* aggr.

(*Ranunculus kauffmannii* Clerc.) = *Batrachium trichophyllum*

(*Ranunculus kitaibelii* Soó) = *Ranunculus estherae*

{*Ranunculus kladnii* auct. non Schur} = *Ranunculus malinovskii*

Ranunculus lanuginosus L.

Ranunculus lapponicus L.

[*Ranunculus lateriflorus* DC.] = *Buschia lateriflora*

Ranunculus lingua L.

Ranunculus malinovskii A.Jelen. & Derviz-Sokolova ~ *Ranunculus acris* aggr.

Conservation status: ERL (R).

Note: See A. Elenevsky & T. Derviz-Sokolova (1986, *Novitates Systematicae*

Plantarum Vascularium (Leningrad) 23: 55-60). The species is closely related to, or conspecific with, *R. serbicus* Vis.

{*Ranunculus marginatus* auct. non D'Urv.} = *Ranunculus trachycarpus*

Ranunculus marginicolus Jasiew. ~ *Ranunculus cassubicus* aggr.

Ranunculus marmarosensis Soó ~ *Ranunculus cassubicus* aggr.

Ranunculus meyerianus Rüprr. ~ *Ranunculus polyanthemus* aggr.

- (*Ranunculus meridionalis* Grossh.) = *Ranunculus illyricus*
 {*Ranunculus montanus* auct. non Willd.} = *Ranunculus pseudomontanus*
 Note: Carpathian plants were segregated as *R. pseudomontanus* s.str.
- Ranunculus muricatus* L.**
- Ranunculus neapolitanus* Ten.** ~ *Ranunculus bulbosus* aggr.
- Ranunculus nemorivagus* Jord.** ~ *Ranunculus acris* aggr.
 Note: A rare alien species; reported from Kharkiv (N. Tsvelev, 1994, Byull. MOIP, Ser. Biol. 99(5): 64-76).
- Ranunculus nemorosus* DC.** ~ *Ranunculus polyanthemus* aggr.
 Note: Reported for the Carpathians (see N. Tsvelev, 1994, l.c.).
- Ranunculus obtusulus* Markl.** ~ *Ranunculus auricomus* aggr.
- Ranunculus odessanus* Klokov f.** ~ *Ranunculus pedatus*
 Note: Very closely related to, or probably conspecific with, *R. pedatus*.
- Ranunculus ophioglossifolius* Vill.**
- Ranunculus orbicans* (Markl.) Ericss.** ~ *Ranunculus auricomus* aggr.
 Note: According to Tsvelev (1996, l.c.), this species belongs to the *R. aggr. biformis* W.Koch; it is known in Ukraine from Kharkiv and Lebedin.
- Ranunculus oreophilus* M.Bieb.** ~ *Ranunculus montanus* aggr.
 Note: Reported from the Carpathians and Crimea.
- Ranunculus oxyspermus* Willd.**
- Ranunculus pannonicus* Soó** ~ *Ranunculus auricomus* aggr.
 Note: This species is very close to *R. obtusulus* Markl.
- Ranunculus pavlii* (A.Jelen. & Derviz-Sokolova) Tzvelev**
 Note: This species is closely related to *R. brutius* Ten. (see A. Elenevsky & T. Derviz-Sokolova, 1986, Novitates Systematicae Plantarum Vascularium (Leningrad) 23: 55-60)
- Ranunculus pawlowskii* Jasiew.** ~ *Ranunculus schwarzii* aggr.
 Note: Reported from Vinnitsa (N. Tsvelev, 1996, l.c.).
- Ranunculus pedatus* Waldst. & Kit.**
- Ranunculus platanifolius* L.**
- Ranunculus polyanthemoides* Boreau** ~ *Ranunculus polyanthemus* aggr.
 Note: Reported for the Carpathians (see N. Tsvelev, 1994, l.c.).
- Ranunculus polyanthemus* L.**
 (*Ranunculus polyanthemus* L. subsp. *meyerianus* (Rupr.) A.Jelen. & Derviz-Sokolova)
Ranunculus meyerianus
 (*Ranunculus polyanthemus* L. subsp. *nemorosus* (DC.) Korsh.) = *Ranunculus nemorosus*
 (*Ranunculus polyanthemus* L. subsp. *polyanthemoides* (Boreau) Ahlfv.) = *Ranunculus polyanthemoides*
- Ranunculus polyphyllus* Waldst. & Kit. ex Willd.**
- Ranunculus polyrhizos* Stephan ex Willd.**
- Ranunculus pseudoacris* Tzvelev** ~ *Ranunculus auricomus* aggr.
 Note: Reported for Kiev, Lubny, and Ternopil (Tsvelev, 1996, l.c.).
 (*Ranunculus pseudobulbosus* Schur) = *Ranunculus sardous*
- Ranunculus pseudomontanus* Schur** ~ *Ranunculus montanus* aggr.
 (*Ranunculus pseudovillarsii* Schur) = *Ranunculus oreophilus*
- Ranunculus rapaiscianus* Soó** ~ *Ranunculus szaferi* aggr.

Note: Reported in Ukraine from Sataniv, Khmelnytsk region (Tsvelev, 1996, l.c.).

Ranunculus reichenbachii Soó ~ *Ranunculus szaferi* aggr.

Note: Reported in Ukraine from Kharkiv and Kherson regions (Tsvelev, 1996, l.c.); can be expected in other regions.

Ranunculus repens L.

Ranunculus reptans L.

Ranunculus rhombilobus Borch.-Kolb.

Note: This species is closely related to the Central European *R. latisectus* W.Koch.

[*Ranunculus rionii* Lager] = *Batrachium rionii*

{*Ranunculus rutifolius* auct. non L.} = *Callianthemum coriandrifolium*

Ranunculus sardous Crantz

Ranunculus sartorianus Boiss. & Heldr. ~ *Ranunculus montanus* aggr.

Note: Reported from yailas of the Crimean Mountains (Tsvelev, 1994, l.c.).

Ranunculus schilleri Soó ~ *Ranunculus auricomus* aggr.

Note: This species belongs to the *R. biformis* W.Koch group; it is known in Ukraine from the Carpathians and Poltava region (Tsvelev, 1996, l.c.).

Ranunculus schwarzii Jasiew.

Note: This species aggregate is intermediate between *R. cassubicus* aggr. and *R. fallax* aggr.

Ranunculus sceleratus L.

(*Ranunculus scutatus* Waldst. & Kit.) = *Ranunculus thora*

Ranunculus scythicus Klokov ~ *Ranunculus illyricus*

Note: Very closely related to *R. illyricus*, or probably conspecific with the latter.

(*Ranunculus serotinus* (Błocki) Pacz.) = *Ranunculus cassubicus*

(*Ranunculus silvaticus* Fr. 1843, non Thuill. 1799) = *Ranunculus stevenii*

{*Ranunculus silvaticus* auct. non Thuill.} = *Ranunculus malinovskii*

Ranunculus silvisteppaceus Dubovik ~ *Ranunculus pedatus*

Note: Probably conspecific with *R. pedatus* s.str.

Ranunculus slovacus Soó ~ *Ranunculus auricomus* aggr.

Ranunculus stevenii Andrz.

(*Ranunculus strigulosus* Schur) = *Ranunculus stevenii*

(*Ranunculus subcarpaticus* Soó) = *Ranunculus carpaticola*

Ranunculus szaferi Jasiew.

Note: The *R. szaferi* aggregate is closely related to the *R. cassubicus* group.

(*Ranunculus tatrae* Borbás) = *Ranunculus thora*

[*Ranunculus testiculatus* Crantz] = *Ceratocephala testiculata*

Ranunculus thora L.

Conservation status: RDBU (2), as *Ranunculus tatrae*.

Ranunculus trachycarpus Fisch. & C.A.Mey.

[*Ranunculus trichophyllum* Chaix] = *Batrachium trichophyllum*

(*Ranunculus tuberosus* Lapeyr.) = *Ranunculus nemorosus*

(*Ranunculus villosus* DC. subsp. *constantinopolitanus* (DC.) A.Jelen.) = *Ranunculus constantinopolitanus*

{*Ranunculus villarsii* auct. non DC.} = *Ranunculus oreophilus*

Ranunculus zapalowiczii Pacz. ~ *Ranunculus montanus* aggr.

Note: *Ranunculus zapalowiczii* is very closely related to *R. oreophilus*.

Ranunculus zmutae Jasiew. ~ *Ranunculus schwarzii* aggr.

?Thalictrum alpinum L.

Note: Reported for the Carpathians (*Fl. Ukr.* 1953, 5: 139); no exact data available.

{*Thalictrum angustifolium* auct. non L.} = *Thalictrum lucidum*

(*Thalictrum angustifolium* Besser, non L.) = *Thalictrum minus*

Thalictrum aquilegifolium L.

[*Thalictrum bauhini* Crantz] = *Thalictrum simplex* subsp. *galioides*

Thalictrum flavum L.

(*Thalictrum flexuosum* Bernh. ex Rchb.) = *Thalictrum minus*

Thalictrum foetidum L.

Conservation status: RDBU (3).

(*Thalictrum galioides* Pers.) = *Thalictrum simplex* subsp. *galioides*

Thalictrum lucidum L.

Thalictrum minus L.

Note: A very polymorphic species in need of critical revision; in Ukraine it is represented by at least 3 infraspecific entities (subspecies or segregate species).

Their taxonomy and nomenclature are much confused; because of that we do not recognize them here formally.

{*Thalictrum minus* L. subsp. *olympicum* auct. non (Boiss. & Heldr.) Strid} = *Thalictrum minus* s.l.

{*Thalictrum minus* L. subsp. *saxatile* auct. non Cesati} = *Thalictrum minus* s.l.

(*Thalictrum minus* L. subsp. *flexuosum* (Bernh. ex Rchb.) Beck) = *Thalictrum minus* s.l.

{*Thalictrum petaloideum* auct. non L.} = *Thalictrum uncinatum* s.str.

?Thalictrum podolicum Lecoyer

Note: Described from Ukraine (Podolia); no new collections available. Taxonomic status uncertain (probably a form of *T. uncinatum*).

Thalictrum simplex L.

(*Thalictrum simplex* L. subsp. *bauhinii* (Crantz) Tutin) = *Thalictrum simplex* subsp. *galioides*

Thalictrum simplex L. subsp. *galioides* (Pers.) Korsh.

(*Thalictrum transsilvanicum* Schur) = *Thalictrum minus* s.l.

Thalictrum uncinatum Rehman

Conservation status: RDBU (1).

Trollius altissimus Crantz ~ *Trollius europaeus* s.l.

Trollius europaeus L.

(*Trollius europaeus* L. subsp. *tatrae* (Borbás) Pocs & Balogh) = *Trollius altissimus*

[*Trollius europaeus* L. subsp. *transsilvanicus* (Schur) Domin & Podp.] = *Trollius altissimus*

(*Trollius tatrae* (Borbás) Borbás) = *Trollius altissimus*

(*Trollius transsilvanicus* Schur) = *Trollius altissimus*

FAMILY Resedaceae

Reseda inodora Rchb.

Reseda lutea L.

Reseda luteola L.
**Reseda odorata* L.

FAMILY Rhamnaceae

**Ceanothus americanus* L.
**Ceanothus fendleri* A.Gray

Frangula alnus Mill.
**Frangula pурсhiana* Coop.
**Frangula rupestris* (Scop.) Schur

Paliurus spina-christi Mill.

*!*Rhamnus alaternus* L.
Rhamnus cathartica L.
**Rhamnus dahurica* Pall.
(*Rhamnus frangula* L.) = *Frangula alnus*
**Rhamnus imeretina* Booth
(*Rhamnus paliurus* L.) = *Paliurus spina-christi*
**Rhamnus pallasii* Fisch. & C.A.Mey.

Note: Several other species of *Rhamnus* are cultivated in botanical gardens.
[*Rhamnus saxatilis* Jacq. subsp. *tinctoria* (Waldst. & Kit.) Nym.] = *Rhamnus tinctoria*

Rhamnus tinctoria Waldst. & Kit.

Conservation status: RDBU (1).
(*Rhamnus ziziphus* L.) = *Ziziphus jujuba*

**Ziziphus jujuba* Mill.

FAMILY Rosaceae

(*Agrimonia adscendens* Andr.) = *Agrimonia eupatoria*
(*Agrimonia agrimonoides* L.) = *Agrimonia agrimonoides*
Agrimonia eupatoria L.
(*Agrimonia glandulosa* (Simonk.) Simonk.) = *Agrimonia procera*
(*Agrimonia godetiana* Andr.) = *Agrimonia pilosa*
Agrimonia grandis Andr. ex C.A.Mey.
{*Agrimonia odorata* auct. non Mill.} = *Agrimonia procera*
(*Agrimonia officinalis* Lam. ex Poir.) = *Agrimonia eupatoria*
Agrimonia pilosa Ledeb.
Agrimonia procera Wallr.
(*Agrimonia robusta* Andr.) = *Agrimonia procera*

(*Alchemilla acutangula* Buser) = *Alchemilla acutiloba*

Note: See recent treatment of *Alchemilla* in the Carpathians (N. Sychak, 1996, PhD. thesis).

Alchemilla acutiloba Opiz
 (Alchemilla acutiloba Steven) = Alchemilla mollis
Alchemilla aemula Juz. ~ Alchemilla hebescens
Alchemilla alpestris F.W.Schmidt
Alchemilla arcuatiloba Juz.
Alchemilla babiogorensis Pawl.
Alchemilla baltica Sam. ex Juz.
Alchemilla braun-blanquetii Pawl.
Alchemilla brevidens Juz. ~ Alchemilla nemoralis
Alchemilla bucovinensis Sytschak
Alchemilla buschii Juz.
Alchemilla camptopoda Juz.
Alchemilla crebridens Juz.
Alchemilla crinita Buser
Alchemilla cymatophylla Juz.
Alchemilla czywczynensis Pawl.
Alchemilla deyllii Plocek
Alchemilla exsanguis Juz. ~ Alchemilla lithophila
Alchemilla exuens Juz.
Alchemilla flabellata Buser
Alchemilla firma Buser
Alchemilla fissa Gunther & Schummel
Alchemilla glabra Neygenf.
Alchemilla glaucescens Wallr.
Alchemilla glomerulans Buser
Alchemilla gorcensis Pawl.
Alchemilla gracilis Opiz
Alchemilla hebescens Juz.
Alchemilla heptagona Juz.
Alchemilla hirsutissima Juz.
Alchemilla howerlensis M.Pawlus & Lowelius
Alchemilla inberbis Juz. ~ Alchemilla arcuatiloba
Alchemilla incisa Buser
Alchemilla jailae Juz.
Alchemilla kornasiana Pawl.
Alchemilla ladislai Pawl.
Alchemilla languescens Juz. ~ Alchemilla stevenii
Alchemilla lithophila Juz.
Alchemilla micans Buser
Alchemilla mollis (Buser) Rothm.
Alchemilla monticola Opiz
Alchemilla nemoralis Alech.
Alchemilla obtusa Buser
 (Alchemilla pastoralis Buser) = Alchemilla monticola
Alchemilla pnegophila Juz.

Alchemilla propinqua Lindb.f. ex Juz.
Alchemilla pseudincisa Pawl.
Alchemilla pycnantha Juz. = *Alchemilla hebescens*
Alchemilla reniformis Buser
Alchemilla sarmatica Juz.
Alchemilla smytniensis Pawl.
Alchemilla stevenii Buser
Alchemilla subconnivens Pawl.
Alchemilla subcrenata Buser
Alchemilla szaferi Pawl.
Alchemilla turkulensis Pawl.
Alchemilla tyttantha Juz.
Alchemilla vinacea Juz.
Alchemilla vulgaris L. aggr.

Note: *Alchemilla vulgaris* s.str. (1753) is probably conspecific with *A. acutiloba* (1838).

Alchemilla walasii Juz.
Alchemilla xanthochlora Rothm.
Alchemilla zapalowiczii Pawl.

**Amelanchier canadensis* (L.) Medik.
(*Amelanchier canadensis* (L.) Medik. subsp. *spicata* (Lam.) A.Löve & D.Löve) =
Amelanchier spicata
(*Amelanchier humilis* Wiegand) = *Amelanchier spicata*
Amelanchier ovalis Medik.
(*Amelanchier rotundifolia* (Lam.) Dum.-Cours., nom. illeg.) = *Amelanchier ovalis*
**Amelanchier spicata* (Lam.) K.Koch
(*Amelanchier vulgaris* Moench) = *Amelanchier ovalis*

(*Amygdalus campestris* Besser) = *Amygdalus nana*
**Amygdalus communis* L.
Amygdalus nana L.
(*Amygdalus persica* L.) = *Persica vulgaris*

Aphanes arvensis L.
(*Aphanes vulgaris* Schur) = *Aphanes arvensis*

Aremonia agrimonoides (L.) DC.

*!*Armeniaca vulgaris* Lam.

**Aronia melanocarpa* (Michx.) Elliot
**Aronia* × *prunifolia* (Marshall) Rehder

Note: Cultivated aronias commonly known collectively as "*Aronia melanocarpa*" are often represented by garden hybrids between *Aronia arbutifolia* (L.) Pers. and *A. melanocarpa* (Michx.) Elliot.

Aruncus dioicus (Walter) Fernald
{*Aruncus vulgaris* auct. non Raf.} = *Aruncus dioicus*

Cerasus avium (L.) Moench

Cerasus fruticosa (Pall.) Woronow

***Cerasus japonica** (Thunb.) Loisel.

Cerasus klokovii Sobko ~ *Cerasus fruticosa*

Conservation status: ROBU (I).

(*Cerasus laurocerasus* (L.) Loisel.) = *Laurocerasus officinalis*

Cerasus mahaleb (L.) Mill.

(*Cerasus serotina* (Ehrh.) Loisel.) = *Padus serotina*

*!**Cerasus tomentosa** (Thunb.) Wall.

(*Cerasus virginiana* (L.) Loisel., non Michx.) = *Padus virginiana*

*!**Cerasus vulgaris** Mill.

***Chaenomeles japonica** (Thunb.) Lindl.

{*Chaenomeles japonica* auct. non (Thunb.) Lindl.} = *Chaenomeles speciosa*

(*Chaenomeles maulei* (Mast.) Lavallee) = *Chaenomeles japonica*

***Chaenomeles speciosa** (Sweet) Nakai

***Chaenomeles × superba** (Frahm) Rehder = *Chaenomeles japonica* × *Chaenomeles speciosa*

[*Comarum palustre* L.] = *Potentilla palustris*

Cotoneaster integerrimus Medik.

Cotoneaster melanocarpus Fisch. ex Blytt

Cotoneaster tauricus Pojark.

Conservation status: IUCN RL (R); ERL (R).

Note: Several exotic species of *Cotoneaster* are cultivated in gardens and parks.

Crataegus alutacea Klokov

Crataegus ambigua C.A.Mey. ex A.Becker

Crataegus azarella Griseb.

{*Crataegus calycina* auct. non Peterm.} = *Crataegus lindmanii*

Crataegus ceratocarpa Kossyck

***Crataegus coccinea** L.

Note: Many other exotic species of *Crataegus* are cultivated in botanical gardens and parks. Judging from available data, taxonomy of cultivated taxa is much confused.

***Crataegus crus-galli** L.

Crataegus curvisepala Lindm.

{*Crataegus curvisepala* sensu Pojark.} = *Crataegus pseudokyrstostyla*

Crataegus dipyrena Pojark.

Crataegus fallacina Klokov

(*Crataegus helenolae* Grynj & Klokov) ~ *Crataegus ambigua*

Crataegus karadaghensis Pojark.

Conservation status: IUCN RL (R); ERL (R).

Crataegus klokovii Ivaschin - *Crataegus pentagyna*
Crataegus laevigata (Poir.) DC.
Crataegus leiomonogyna Klokov ~ *Crataegus monogyna*
Crataegus lindmanii Hrabětová-Uhrová
Crataegus lipskyi Klokov ~ *Crataegus monogyna*
Crataegus microphylla K.Koch
Crataegus monogyna Jacq.
Crataegus orientalis Pall. ex M.Bieb.
 {*Crataegus oxyacantha* L., nom. utique rej.} = *Crataegus laevigata*
Crataegus pallasii Griseb.
Crataegus pentagyna Waldst. & Kit.
Crataegus pinnatifida Bunge
Crataegus pojarkovae Kossykh
 Conservation status: RDBU (1); IUCN RL (1); ERL (R).
Crataegus popovii Chrshan.
Crataegus pracarmata Klokov ~ *Crataegus monogyna*
Crataegus pseudokyrtostyla Klokov ~ *Crataegus curvisrepala*
 **Crataegus sanguinea* Pall.
 (*Crataegus schraderana* Ledeb.) = *Crataegus tournefortii*
Crataegus sphaenophylla Pojark.
 Conservation status: ERL (R).
Crataegus stankovii Kossykh
 (*Crataegus stevenii* Pojark.) = *Crataegus pallasii*
Crataegus subrotunda Klokov ~ *Crataegus curvisrepala*
Crataegus taurica Pojark.
 Conservation status: IUCN RL (R); ERL (R).
Crataegus tournefortii Griseb.
 Conservation status: RDBU (3).
Crataegus ucrainica Pojark.
 Conservation status: IUCN RL (R); ERL (R).

[Cydonia japonica (Thunb.) Pers.] = *Chaenomeles japonica*
 (Cydonia maulei (Mast.) T.Moore) = *Chaenomeles japonica*
 **Cydonia oblonga* Mill.
 [Cydonia speciosa Sweet] = *Chaenomeles speciosa*

***Dryas octopetala* L.**
 Conservation status: RDBU (1).

*!*Duchesnea indica* (Andrews) Focke

**Eriobotrya japonica* (Thunb.) Lindl.

(*Exochorda alberti* Regel) = *Exochorda korolkowii*

**Exochorda korolkowii* Lavall.

Note: Several other species of *Exochorda* are cultivated in botanical gardens and arboreta.

Filipendula denudata (J.Presl & C.Presl) Fritsch ~ Filipendula ulmaria
 (Filipendula hexapetala Gilib., nom. inval.) = Filipendula vulgaris
Filipendula stepposa Juz. ~ Filipendula ulmaria
 (Filipendula subdenudata Fritsch) = Filipendula ulmaria
Filipendula ulmaria (L.) Maxim.
 [Filipendula ulmaria (L.) Maxim. subsp. denudata (J.Presl & C.Presl) Hayek] =
 Filipendula denudata
 [Filipendula ulmaria (L.) Maxim. subsp. picbaueri (Podp.) Smejkal] = Filipendula
 stepposa
 (Filipendula ulmaria (L.) Maxim. var. picbaueri Podp.) = Filipendula stepposa
Filipendula vulgaris Moench

***Fragaria** × **ananassa** (Duchesne) Duchesne = Fragaria chiloensis × Fragaria virginiana
Fragaria campestris Steven
 ***Fragaria chiloensis** (L.) Duchesne
 (Fragaria collina Ehrh.) = Fragaria viridis
 (Fragaria elatior Ehrh.) = Fragaria moschata
Fragaria × **hagenbachiana** W.D.J.Koch = Fragaria vesca × Fragaria viridis
 (Fragaria indica Andrews) = Duchesnea indica
Fragaria × **intermedia** Bach = Fragaria moschata × Fragaria vesca
Fragaria moschata (Duchesne) Weston
Fragaria vesca L.
 ***Fragaria virginiana** Duchesne
Fragaria viridis Duchesne

Geum aleppicum Jacq.
Geum × **intermedium** Ehrh. = Geum rivale × Geum urbanum
Geum montanum L.
Geum rivale L.
Geum × **spurium** Fisch. & C.A.Mey. = Geum aleppicum × Geum urbanum
 (Geum strictum Aiton) = Geum aleppicum
Geum urbanum L.

***Kerria japonica** (L.) DC.

***Laurocerasus officinalis** M Roem.

***Malus baccata** (L.) Borkh.

***Malus domestica** Borkh.

***Malus pallasiana** Juz.

Malus praecox (Pall.) Borkh.

***Malus prunifolia** (Willd.) Borkh.

Note: Several other exotic species and hybrids of Malus are cultivated in gardens and parks.

Malus sylvestris Mill.

Mespilus germanica L.

[*Oreogeum montanum* (L.) E.Golubk.] = *Geum montanum*

[*Padellus mahaleb* (L.) Vassilez.] = *Cerasus mahaleb*

Padus avium Mill.

(*Padus laurocerasus* (L.) Mill.) = *Laurocerasus officinalis*

(*Padus racemosa* (Lam.) Gilib.) = *Padus avium*

*!*Padus serotina* (Ehrh.) Ag.

Note: A locally naturalized species tending to become invasive.

*!*Padus virginiana* (L.) Roem.

Note: Several other exotic species of *Padus* are cultivated in botanical gardens.

(*Parageum montanum* (L.) Hara) = *Geum montanum*

**Pentaphylloides mandshurica* (Maxim.) Soják

Note: Several other species are cultivated in botanical gardens and parks: *P. davurica* (Nestl.) Ikonn., *P. fruticosa* (L.) O.Schwarz, and *P. parviflora* (Fisch. ex Lehm.) Soják.

**Persica vulgaris* Mill.

*!*Physocarpus opulifolius* (L.) Maxim.

Note: Locally naturalized. Four other species of *Physocarpus* are rarely cultivated in botanical gardens.

Potentilla alba L.

Potentilla angustifolia DC.

Potentilla anserina L.

(*Potentilla arenaria* Borkh.) = *Potentilla incana*

Potentilla argentea L.

Potentilla astracanicus Jacq.

Potentilla aurea L.

{*Potentilla bifurca* auct. non L.} = *Potentilla orientalis*

Potentilla bornmuelleri Borbás

Potentilla callieri (Th.Wolf) Juz.

Potentilla canescens Besser

Potentilla caucasica Juz.

?**Potentilla chrysantha Trev.**

{*Potentilla cinerea* auct. non Chaix ex Vill.} = *Potentilla incana*

Potentilla collina Wibel

Potentilla crantzii (Crantz) G.Beck ex Fritsch

Potentilla crassa Tausch

Potentilla depressa Willd. ex Schlecht.

Potentilla erecta (L.) Raeusch.
Potentilla fallacina Blocki
Potentilla geoides M.Bieb.
Potentilla goldbachii Rupr.
?Potentilla heidenreichii Zimmeter
Potentilla heptaphylla L.
Potentilla humifusa Willd. ex Schlecht.
 {*Potentilla impolita* auct. non Wahlenb.} = *Potentilla neglecta*
Potentilla incana P.Gaertn., B.Mey. & Scherb.
 (*Potentilla incanescens* Opiz) = *Potentilla neglecta*
 (*Potentilla inclinata* Vill., nom. illeg.) = *Potentilla canescens*
Potentilla intermedia L.
Potentilla jailae Juz.
Potentilla laeta Rchb.
Potentilla leucopolitana P.J.Müll. ~ *Potentilla collina* aggr.
Potentilla leucotricha (Borbás) Borbás
Potentilla longifolia Willd. ex Schlecht.
 Note: A rare casual alien collected in Kiev (S. Mosyakin, 1992, Ukr. Bot. Zhurn. 49(3): 89-91); now disappeared.
Potentilla longipes Ledeb.
Potentilla micrantha Ramond ex DC.
Potentilla mollicrinis (Borbás) Stank.
Potentilla neglecta Baumg.
Potentilla norvegica L.
Potentilla obscura Willd. ~ *Potentilla recta*
Potentilla orientalis Juz. ~ *Potentilla bifurca*
Potentilla palustris (L.) Scop.
Potentilla paradoxa Nutt. ex Torr. & A.Gray
Potentilla patula Waldst. & Kit.
Potentilla pedata Nestl. ~ *Potentilla recta*
Potentilla pilosa Willd.
Potentilla pindicola (Nyman) Hausskn.
Potentilla recta L.
 (*Potentilla recta* L. subsp. *obscura* (Willd.) Rchb.f. ex Rothm.) = *Potentilla obscura*
Potentilla reptans L.
?Potentilla rupestris L.
Potentilla schurii Fuss ex Zimmeter ~ *Potentilla patula*
Potentilla semilaciniosa Borbás
 (*Potentilla sulphurea* Lam.) = *Potentilla recta*
Potentilla supina L.
 [*Potentilla supina* L. subsp. *paradoxa* (Nutt. ex Torr. & A.Gray) Soják] = *Potentilla paradoxa*
 (*Potentilla sylvestris* Neck.) = *Potentilla erecta*
Potentilla taurica Willd. ex Schlecht. ~ *Potentilla astracanicum*
Potentilla tergemina Soják
 Note: A rare casual alien collected in Kiev (S. Mosyakin, 1992, Ukr. Bot. Zhurn. 49(3): 89-91).

Potentilla thyrsiflora Huels. ex Zimmeter = *Potentilla collina* aggr.

(*Potentilla tormentilla* (Stokes) Neck.) = *Potentilla erecta*

Potentilla umbrösa Steven

Potentilla virgata Lehm.

Note: A rare casual alien recently reported from Kherson by I. Moisienko (1998, Ukr. Bot. Zhurn. 55(4): 255-257).

Poterium polygamum Waldst. & Kit.

Poterium sanguisorba L.

[*Poterium sanguisorba* L. subsp. *polygamum* (Waldst. & Kit.) Simonk.] = *Poterium polygamum*

***Prinsepia sinensis** (Oliv.) Bean

[*Prunus avium* L.] = *Cerasus avium*

***Prunus cerasifera** Ehrh.

[*Prunus cerasifera* Ehrh. subsp. *divaricata* (Ledeb.) C.K.Schneid.] = *Prunus divaricata*

[*Prunus cerasus* L.] = *Cerasus vulgaris*

***Prunus divaricata** Ledeb.

***Prunus domestica** L.

[*Prunus domestica* L. subsp. *insititia* (L.) Bonnier & Layens] = *Prunus insititia*

[*Prunus fruticosa* Pall.] = *Cerasus fruticosa*

***Prunus insititia** L.

[*Prunus laurocerasus* L.] = *Laurocerasus officinalis*

[*Prunus mahaleb* L.] = *Cerasus mahaleb*

Prunus moldavica Kotov ~ *Prunus spinosa*

[*Prunus padus* L.] = *Padus avium*

Prunus podolica Andr. ~ *Prunus spinosa*

[*Prunus serotina* Ehrh.] = *Padus serotina*

Prunus spinosa L.

Prunus stepposa Kotov ~ *Prunus spinosa*

[*Prunus tomentosa* Thunb.) = *Cerasus tomentosa*

[*Prunus virginiana* L.] = *Padus virginiana*

Pyraecantha coccinea (L.) M.Roem.

Pyrus communis L.

Pyrus elaeagnifolia Pall.

?**Pyrus salicifolia** Pall.

***Pyrus ussuriensis** Maxim.

Rosa adenodonta Dubovik

Note: See recent treatments of *Rosa* in Ukraine (see O. Dubovik, 1989, Ukr. Bot. Zhurn. 46(3): 21-25; O. Dubovik & al. 1987, Ukr. Bot. Zhurn. 44(2): 8-13).

(*Rosa afzeliana* Fr., nom. illeg.) = *Rosa biserrata*

Rosa agrestis Savi
***Rosa alba** L.
 Rosa albiflora Opiz) = Rosa agrestis
 Rosa alpina L.) = Rosa pendulina
Rosa andegavensis Bast. ~ Rosa canina s.l.
Rosa andrzejowskii Steven
Rosa antonovii (Lonacz.) Dubovik
 (Rosa arguta Steven) = Rosa canina
 (Rosa armata Steven) = Rosa canina
***Rosa arvensis** Huds.
Rosa balsamica Besser
***Rosa banksiae** R.Br.
Rosa biebersteinii Tratt.
***Rosa bifera** (Poir.) Pers.
Rosa biserrata Mérat
Rosa bordzilowskii Chrshan.
Rosa × boreykiana Besser = Rosa crenatula × Rosa corymbifera
Rosa × borissovae Chrshan.
Rosa borysthenica Chrshan.
Rosa bugensis Chrshan.
 (Rosa calycina M.Bieb.) = Rosa canina
Rosa canina L.
Rosa caryophyllacea Besser
 {Rosa caryophyllacea auct. non Besser} = Rosa squarrosa
***Rosa centifolia** L.
***Rosa chinensis** Jacq.
Rosa chomutoviensis Chrshan. & Iaseb.
Rosa chrshanovskii Dubovik
Rosa ciesielskii Blocki
 (Rosa ciliato-sepala Blocki) = Rosa canina
 (Rosa cinnamomea L. 1753, non L. 1759) = Rosa pendulina
 {Rosa cinnamomea auct. non L.} = Rosa majalis
 (Rosa collina M.Bieb.) = Rosa corymbifera
Rosa corymbifera Borkh. ~ Rosa canina
Rosa crenatula Chrshan.
Rosa czackiana Besser
***Rosa damascena** Mill.
Rosa deseglisei Boreau ~ Rosa canina
Rosa diacantha Chrshan.
 (Rosa dimorpha Besser) = Rosa tomentosa
Rosa diplodonta Dubovik
Rosa donetzica Dubovik
 Conservation status: RDBU (I); ERL (R).
 (Rosa dumalis Bechst.) ~ Rosa biserrata
 (Rosa eglantheria L., nom. utique rej. prop.) = Rosa rubiginosa

{*Rosa eglanteria* auct. non L.} = *Rosa foetida*
Rosa elliptica Tausch
 (*Rosa fedoseevii* Chrshan.) = *Rosa balsamica*
Rosa floribunda Steven
****Rosa foetida*** Herrm.
 (*Rosa friedlaendriana* Besser) = *Rosa corymbifera*
Rosa glabrifolia C.A.Mey.
 (*Rosa glandulosa* Besser, non Bellardi) = *Rosa klukii*
 {*Rosa glandulosa* auct. non Besser} = *Rosa jundzillii*
Rosa glauca Pourr.
 (*Rosa glauca* Vill. ex Loisel., non Pourr.) = *Rosa biserrata*
 (*Rosa glauca* Schott. & Besser, non Pourr.) = *Rosa canina*
 (*Rosa glaucescens* Besser, non Wulfen) = *Rosa biserrata*
Rosa gorenkensis Besser
Rosa grossheimii Chrshan.
 (*Rosa gypsicola* Blocki) = *Rosa caryophyllacea*
 (*Rosa heteracantha* Chrshan., non Kar. & Kir.) = *Rosa diacantha*
 (*Rosa heterostyla* Chrshan., non Gritt.) = *Rosa subglabra*
 (*Rosa homoacantha* Dubovik) = *Rosa borissovae*
 (*Rosa horrida* Fisch. ex Crép., non Spreng.) = *Rosa turcica*
 (*Rosa jundzilliana* Besser) = *Rosa jundzillii*
Rosa jundzillii Besser
 {*Rosa jundzillii* auct. non Besser} = *Rosa biebersteinii*
 (*Rosa kalmiussica* Chrshan. & Laseb.) = *Rosa corymbifera*
Rosa klukii Besser
 (*Rosa kosinskiana* Besser) = *Rosa canina*
Rosa kosłowskii Chrshan.
 (*Rosa koso-poljanskii* Chrshan.) = *Rosa cieselskii*
Rosa krynkensis Ostapko
Rosa lapidosa Dubovik
Rosa lazarenkoi Chrshan.
Rosa litvinovii Chrshan., nom. inval.
Rosa livescens Besser
Rosa lonaczewskii Dubovik
Rosa lupulina Dubovik
Rosa macotica Dubovik
Rosa majalis Herrm.
Rosa × *mediata* Dubovik = *Rosa corymbifera* + *Rosa majalis*
Rosa micrantha Smith
 (*Rosa micrantha* Besser) = *Rosa spinosissima*
Rosa minimalis Chrshan.
 (*Rosa montana* Steven ex Besser) = *Rosa corymbifera*
Rosa* × *mucatscheviensis Chrshan. = *Rosa micrantha* (*Rosa nitidula* ?) × *Rosa rubiginosa*
!*Rosa multiflora Thunb.
Rosa nitidula Besser ~ *Rosa canina* s.l.

?*Rosa* × *olgae* Chrshan. & Barbar., nom. inval. (descr. ross.) = *Rosa majalis* × *Rosa villosa* aggr.

Note: Probably extinct.

Rosa parviuscula Chrshan. & Laseb.

Rosa pendulina L.

Rosa pimpinellifolia L. ~ *Rosa spinosissima* s.l.

(*Rosa podolica* Tratt.) = *Rosa biserrata*

Rosa × *pohrebniakii* Chrshan. & Laseb. = *Rosa glauca* × *Rosa villosa*

(*Rosa pomifera* Herrm.) = *Rosa villosa*

Rosa porrectidens Chrshan. & Laseb.

Rosa prutensis Chrshan.

(*Rosa psammophila* Chrshan.) = *Rosa balsamica*

Rosa pygmaea M.Bieb.

Rosa rubiginosa L.

(*Rosa rubrifolia* Vill.) = *Rosa glauca*

*!*Rosa rugosa* Thunb.

(*Rosa saxatilis* Steven) = *Rosa corymbifera*

Rosa scabriuscula Smith

Rosa schistosa Dubovik

(*Rosa schmalgauseniana* Chrshan.) = *Rosa deseglisei* Boreau

Rosa simplicidens Dubovik

(*Rosa sinkowiensis* Blocki) = *Rosa ciesielskii*

(*Rosa slobodjiani* (Chrshan.) Dubovik, nom. inval.) = *Rosa andegavensis*

(*Rosa solstitialis* Prim. & Besser) = *Rosa corymbifera*

Rosa sosnovskyi Chrshan.

Rosa spinosissima L.

Rosa squarrosa (Rau) Boreau

Rosa subafzeliana Chrshan.

Rosa subglabra Borbás

Rosa subpomifera Chrshan.

Rosa subpygmaea Chrshan.

(*Rosa talijevii* Dubovik) = *Rosa grossheimii*

Rosa tauriae Chrshan.

(*Rosa taurica* M.Bieb.) = *Rosa corymbifera*

Rosa tesquicola Dubovik

(*Rosa therebinthacea* Besser) = *Rosa tomentosa*

Rosa tomentosa Smith

(*Rosa trachyphylla* Rau) = *Rosa jundzilii*

Rosa transsilvanica Schur

Rosa tshatyrdagii Chrshan.

**Rosa turbinata* Aiton

Rosa turcica Rouy

(*Rosa ucrainica* Chrshan.) = *Rosa subpygmaea*

Rosa uncinella Besser

Rosa villosa L.

(*Rosa vollhynensis* Chrshan.) = *Rosa rubiginosa*
(*Rosa willibaldii* Chrshan.) = *Rosa biserrata*
(*Rosa wittmanii* Heinr. Braun) = *Rosa corymbifera*

***Rubus* × *aipetriensis* Juz.**

Note: Crimean taxa described by S. Juzepchuk are badly in need of a new taxonomic revision.

***Rubus* × *almensis* Juz.** = *Rubus canescens* × *Rubus tauricus*

***Rubus anatolicus* (Focke) Focke ex Hausskn.**

***Rubus apricus* Wimmer**

***Rubus bayeri* Focke** ~ *Rubus hirtus*

(*Rubus bellardii* Weihe & Nees) = *Rubus pedemontanus*

***Rubus bifrons* Vest**

Note: See L. Krasovskaya (1991, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 28: 81-84).

***Rubus caesius* L.**

{*Rubus candicans* auct. non Weihe ex Rehb.} = *Rubus montanus*

***Rubus canescens* DC.**

(*Rubus canescens* DC. var. *glabratus* (Godr.) H.E. Weber) = *Rubus lloydianus*

***Rubus chamaemorus* L.**

***Rubus constrictus* P.J.Müll. & Lefevre**

***Rubus crimaecus* Juz.**

(*Rubus discolor* Weihe & Nees) = *Rubus ulmifolius*

***Rubus divaricatus* P.J.Müll.**

***Rubus* × *eurythysiger* Juz.**

(*Rubus glandulosus* Bellardi) = *Rubus pedemontanus*

***Rubus grabowskii* Weihe**

***Rubus gracilis* J.Presl & C.Presl**

***Rubus guentheri* Weihe & Nees** ~ *Rubus hirtus*

***Rubus hirtimimus* Juz.**

***Rubus hirtus* Waldst. & Kit.**

***Rubus humifusus* Weihe** ~ *Rubus schleicheri*

(*Rubus hybridus* Vill.) = *Rubus pedemontanus*

***Rubus idaeus* L.**

***Rubus* × *kalaidae* Juz.**

***Rubus kaltenbachii* Metsch** ~ *Rubus hirtus*

Note: Literature records only (see Tasenkevich, 1998).

***Rubus lloydianus* Genev.**

***Rubus macrophyllus* Weihe & Nees**

***Rubus* × *marschallianus* Juz.**

***Rubus moestifrons* Juz.**

***Rubus montanus* Libert ex Lej.**

***Rubus* × *nanitauricus* Juz.** = *Rubus canescens* × *Rubus tauricus* ?

***Rubus nessensis* W.Hall**

***Rubus nigricans* P.J.Müll. & Lefevre** ~ *Rubus hirtus*

Note: Literature records only (see Tasenkevich, 1998).

(*Rubus nitidus* Weihe & Nees) = *Rubus divaricatus*

Rubus × *oenoxylon* Juz. = *Rubus canescens* × *Rubus tauricus* ?

Rubus opacus Focke

Note: Reported from Lviv region (V. Goncharenko, 1999. *Naukov. Visnyk Uzhgorod. Univ., Ser. Biol.* 6: 12-14).

Rubus paratauricus Juz.

Rubus pedemontanus Pinkwart

Rubus plicatus Weihe & Nees

Rubus praecox Bertol.

?**Rubus radula** Weihe

Note: Reported for Transcarpathia (Fodor, 1974); no locality information available; not confirmed by other authors.

Rubus rivularis Wirtg. & P.J.Müll.

Note: Reported for the Carpathians (see Fodor, 1974; Tassenkevich, 1998).

Rubus rudis Weihe & Nees

Note: Reported from Lviv region and Transcarpathia (L. Krasovskaya, 1997, *Bot. Zhurn.* 82(4): 120-123.).

(*Rubus rugicus* E.H.L.Krause) = *Rubus grabowskii*

Rubus saxatilis L.

Rubus × *scenoreinus* Juz.

Rubus schleicheri Weihe ex Tratt.

Note: See L. Krasovskaya (1991, *Novitates Systematicae Plantarum Vascularium (Leningrad)* 28: 81-84).

Rubus serpens Weihe ex Lej. & Court.

Rubus × *sinakiensis* Fodor = *Rubus idaeus* × *Rubus rivularis*

Rubus × *stenophyllidium* Juz. = *Rubus canescens* × *Rubus tauricus* ?

Rubus stevenii Juz.

Rubus × *subtauricus* Juz. = *Rubus crimaeus* × *Rubus tauricus*

Rubus sulcatus Vest ex Tratt.

(*Rubus sulcatus* Vest ex Tratt. subsp. *constrictus* (P.J.Müll. & Lefevre) Cohrs) = *Rubus constrictus*

(*Rubus sulcatus* Vest ex Tratt. var. *vestii* (Focke) Focke) = *Rubus constrictus*

Rubus tauricus Schlecht. ex Juz.

Rubus tereticaulis P.J.Müll.

(*Rubus thyrsanthus* (Focke) Foerster) = *Rubus grabowskii*

(*Rubus thyrsoides* Wimmer, nom. illeg.) = *Rubus grabowskii*

(*Rubus thyrsoides* Wimmer subsp. *constrictus* (P.J.Müll. & Lefevre) Sudre) = *Rubus constrictus*

{*Rubus tomentosus* auct. non Borkh.} = *Rubus canescens*

Rubus troitzkyi Juz.

Rubus ulmifolius Schott

Rubus × *undabundus* Juz. = *Rubus canescens* × *Rubus tauricus* ?

Rubus × *utshansuensis* Juz. = *Rubus canescens* × *Rubus tauricus* ?

(*Rubus vestii* Focke) = *Rubus constrictus*

(*Rubus villicaulis* Koehler ex Weine & Nees) = *Rubus gracilis*

(*Rubus wimmeri* Weihe) = *Rubus macrophyllus*

[*Sanquisorba minor* Scop.] = *Poterium sanguisorba*

[*Sanquisorba minor* Scop. subsp. *polygama* (Waldst. & Kit.) Holub] = *Poterium polygamum*

***Sanquisorba officinalis* L.**

Sanquisorba taurica* Juz. ~ *Sanguisorba officinalis

(*Sieversia montana* (L.) R.Br.) = *Geum montanum*

****Sorbaria sorbifolia* (L.) A. Braun**

Note: Several other species are cultivated in botanical gardens.

****Sorbus aria* (L.) Crantz**

***Sorbus aucuparia* L.**

***Sorbus austriaca* (Beck) Hedl.**

****Sorbus domestica* L.**

(*Sorbus dualis* Zinserl.) = *Sorbus roopiana*

***Sorbus graeca* (Spach) Lodd. ex Schauer**

***Sorbus intermedia* (Ehrh.) Pers.**

(*Sorbus pseudolatifolia* K. Pop. 1959, non Boros 1937) = *Sorbus tauricola*

***Sorbus roopiana* Bordz.**

(*Sorbus scandica* (L.) Hedl.) = *Sorbus intermedia*

Sorbus stankovii* Juz. ~ *Sorbus graeca

***Sorbus taurica* Zinserl.**

***Sorbus tauricola* Zaikonn.**

Conservation status: ERL (1), as *S. pseudolatifolia*.

***Sorbus torminalis* (L.) Crantz**

Sorbus turcica* Zinserl. ~ *Sorbus graeca

****Spiraea alba* Du Roi**

***!*Spiraea billardii* Hérisq**

***Spiraea chamaedryfolia* L.**

***Spiraea crenata* L.**

(*Spiraea crenifolia* C.A.Mey.) = *Spiraea crenata*

***!*Spiraea douglasii* Hook.**

***Spiraea hypericifolia* L.**

***!*Spiraea japonica* L.f.**

***Spiraea litwinowii* Dobroc.**

***Spiraea media* F.Schmidt**

***Spiraea media* F.Schmidt subsp. *polonica* (Błocki) Pawl.**

Conservation status: RDBU (1), as *Spiraea polonica*.

(*Spiraea opulifolia* L.) = *Physocarpus opulifolius*

***Spiraea pikoviensis* Besser**

[*Spiraea polonica* Błocki] = *Spiraea media* subsp. *polonica*

?*Spiraea prunifolia* Siebold & Zucc.

***!Spiraea salicifolia L.**

Note: Plants cultivated in Ukraine as "S. salicifolia" belong mostly to *S. billardii*.
(*Spiraea sawranica* Besser) = *Spiraea crenata*
[*Spiraea sorbifolia* L.] = *Sorbaria sorbifolia*
(*Spiraea ulmifolia* Scop.) = *Spiraea chamaedryfolia*

***Spiraea × vanhouttei (Briot) Zabel**

Note: *Spiraea cantoniensis* Lour. × *Spiraea trilobata* L. Many other exotic species and hybrids are cultivated in gardens and parks.

Waldsteinia geoides Willd.

FAMILY Rubiaceae

Asperula aemulans V.Krecz. ex Klokov

(*Asperula affrena* Klokov) = *Galium affrenum*

(*Asperula aparine* M.Bieb. non *Galium aparine* L.) = *Galium pseudorivale* & *Galium rivale*

Asperula arvensis L.

Asperula attenuata Klokov ~ *Asperula tenella*

(*Asperula besseriana* Klokov) = *Galium humifusum*

Asperula bidentata Klokov ~ *Asperula tenella*

Asperula caespitans Juz.

(*Asperula campanulata* (Vill.) Klokov) = *Galium campanulatum*

Asperula cimmerica V.Krecz. ex Klokov ~ *Asperula supina*

(*Asperula cincinnata* Klokov) = *Galium humifusum*

(*Asperula conferta* (K.Koch) Stank.) = *Galium humifusum*

{*Asperula cretacea* auct. non Willd.} = *Asperula aemulans*, *Asperula cimmerica*, *Asperula kotovii*, *Asperula praepilosa* & *Asperula praevestita*

Asperula creticola Klokov ~ *Asperula tephrocarpa*

Asperula cynanchica L.

(*Asperula cynanchica* L. var. *affinis* (Boiss. & Huet.) E.Wulff) = *Asperula cimmerica* & *Asperula praepilosa*

(*Asperula cynanchica* L. var. *elongata* Steven) = *Asperula stevenii*

(*Asperula galioides* M.Bieb., nom. illeg.) = *Galium biebersteinii*

(*Asperula glauca* Besser) = *Galium campanulatum*

Asperula graniticola Klokov ~ *Asperula montana*

Asperula graveolens M.Bieb. ex Schult. & Schult.f.

{*Asperula graveolens* auct. non M.Bieb. ex Schult. & Schult.f.} = *Asperula montana*

(*Asperula humifusa* (M.Bieb.) Besser) = *Galium humifusum*

Asperula hypanica Klokov ~ *Asperula montana*

Asperula infracta Klokov ~ *Asperula montana*

Asperula kotovii Klokov ~ *Asperula supina*

Asperula leiogradeolens M.Pop. & Chrshan. ~ *Asperula graveolens*

{*Asperula leucanthera* auct. non G.Beck.} = *Asperula propinqua*

Asperula maeotica M.Pop. & Chrshan. ~ *Asperula tenella*

Asperula montana Waldst. & Kit.

(*Asperula octonaria* Klokov) = *Galium octonarium*
(*Asperula odorata* L.) = *Galium odoratum*
Asperula praepilosa V.Krecz. ex Klokov ~ *Asperula supina*
Asperula praevestita Klokov ~ *Asperula supina*
Asperula propinqua Pobed.

Conservation status: ERL (R).

(*Asperula pseudograceolens* M.Pop. & Chrshan.) = *Asperula graveolens*
(*Asperula rivalis* Sibth. & Smith) = *Galium rivale*
(*Asperula rumelica* Boiss.) = *Asperula montana*
(*Asperula savranica* Klokov) = *Asperula graveolens*
Asperula semiamicta Klokov ~ *Asperula cynanchica*
Asperula setulosa Boiss.
Asperula stevenii V.Krecz. ~ *Asperula tenella*
Asperula supina M.Bieb.

Note: Several "microspecies" were recognized in Crimea; their taxonomic value is problematic.

Asperula taurica Pacz.
{*Asperula taurica* auct. non Pacz.} = *Asperula tauroscythica*
{*Asperula taurina* auct. non L.} = *Asperula propinqua*
Asperula tauroscythica Klokov ~ *Asperula taurica*
Asperula tenella Heuff. ex Degen aggr.

Note: This aggregate is represented in S Ukraine by several "microspecies", most probably intraspecific entities and local forms.

Asperula tephrocarpa Czern. ex M.Pop. & Chrshan.

Conservation status: IUCN RL (R).

(*Asperula tinctoria* L.) = *Galium tinctorium*
(*Asperula tomentella* Dubovik) = *Galium duboviciae*
(*Asperula tyraica* Besser) = *Galium volhynicum*
(*Asperula tranzshelii* Klokov) = *Asperula caespitans*
(*Asperula xerotica* Klokov) = *Galium xeroticum*
{*Asperula vestita* auct. non V.Krecz.} = *Asperula kotovii*

{*Crucianella altifolia* auct. non L.} = *Crucianella catellata*

Crucianella angustifolia L.

Crucianella catellata Klokov

?**Crucianella gilanica** Trin.

Note: Occurrence in Ukraine needs confirmation.

(*Crucianella oxyloba* Janka) = *Crucianella angustifolia*

Cruciata articulata (L.) Ehrend.

Cruciata braunii (Zelen.) Pobed.

(*Cruciata chersonensis* (Willd.) Ehrend.) = *Cruciata taurica*

{*Cruciata chersonensis* auct. non (Willd.) Ehrend., excl. typo} = *Cruciata laevipes*

(*Cruciata coronata* (Sibth. & Smith) Ehrend. subsp. *taurica* (Pall. ex Willd.) Ehrend.) =

Cruciata taurica

Cruciata decoronata (Klokov) A.Krasnova
Cruciata glabra (L.) Ehrend.
Cruciata laevipes Opiz
Cruciata neotaurica (Klokov) Pobed.
Cruciata pedemontana (Bellardi) Ehrend.
Cruciata taurica (Pall. ex Willd.) Soó

Galium affrenum (Klokov) Ostapko

Galium album Mill.

{Galium album Mill. subsp. prusense auct. non (K.Koch) Ehrend. & Krendl} = Galium
juzepeczukii & Galium calcareum

(Galium album Mill. subsp. suberectum (Klokov) E.Michalkova) = Galium suberectum

{Galium anisophyllum auct. non Vill.} = Galium bellatum

Galium aparine L.

(Galium aparine L. subsp. spurium (L.) Hartm.) = Galium spurium

(Galium articulatum Lam.) = Galium rubioides

Galium attenuatum Klokov & Zaverucha

(Galium auratum Klokov) = Galium juzepeczukii

Galium bellatulum Klokov

Galium besseri Klokov

Galium bieberstenii Ehrend.

Galium boreale L.

(Galium boreale L. subsp. boreale var. boreale f. exoletum (Klokov) Soó) = Galium
exoletum

(Galium boreale L. subsp. exoletum (Klokov) Soják) = Galium exoletum

Galium borysthenicum Klokov ~ Galium ruthenicum

[Galium braunii Zelen.] = Cruciata braunii

Galium calcareum (Albov) Pobed.

Galium campanulatum Vill.

(Galium campanulatum Vill. subsp. tyraicum (Besser) Soják) = Galium volhynicum

Galium carpaticum Klokov

(Galium chersonense (Willd.) Roem. & Schult) = Cruciata taurica

(Galium cincinatum (Klokov) Ostapko, comb. inval.) = Galium humifusum

Galium congestum Klokov & Zaverucha

(Galium cordatum Roem. & Schult.) = Cruciata articulata

(Galium cruciata (L.) Scop.) = Cruciata laevipes

(Galium cynanchicum (L.) Scop.) = Asperula cynanchica

(Galium dasypodium Klokov) = Galium physocarpum & Galium rubioides

Galium debile Desf.

(Galium decoronatum Klokov) = Cruciata taurica

Galium donetzkiensis Ostapko

Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

(Galium dubovicii Ostapko, ortho) = Galium dubovikiae

Galium dubovikiae Ostapko

Galium elongatum C.Presl

{*Galium elongatum* auct. non C.Presl} = *Galium debile*
 (*Galium erectum* Huds., nom. illeg.) = *Galium album*
 {*Galium erectum* auct. non Huds.} = *Galium mollugo*
***Galium exoletum* Klokov**
 (*Galium fagetorum* Klokov) = *Galium juzepczukii*
 (*Galium-fasciculatum* Klokov) = *Galium calcareum*
 (*Galium galioides* (M.Bieb.) Soó) = *biebersteinii*
***Galium glabratum* Klokov** ~ *Galium verum*
***Galium glabricarpum* Ostapko**
 Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).
 {*Galium glaucum* auct. non L.} = *Galium campanulatum*
 (*Galium glaucum* L. subsp. *tyraicum* (Besser) Soják) = *Galium volhynicum*
***Galium hereynicum* Weigel**
***Galium humifusum* M.Bieb.**
 (*Galium humifusum* M.Bieb. subsp. *besserianum* (Klokov) Soó) = *Galium humifusum*
 (*Galium humifusum* M.Bieb. subsp. *cinnatum* (Klokov) Soó) = *Galium humifusum*
***Galium hypanicum* Klokov**
***Galium intermedium* Schult.**
***Galium juzepczukii* Pobed.**
***Galium kernerianum* Klokov**
Galium* × ***kondratjukii* Ostapko*
 Note: Taxonomic status uncertain (*G. cinnatum* × *G. tomentellum* ?).
 (*Galium krymense* Pobed.) = *Galium debile*
Galium* × ***lanulosum* Ostapko*
 Note: Taxonomic status uncertain (*G. humifusum* × *G. tomentellum* ?).
***Galium macilentum* Klokov & Zaverucha**
 (*Galium maximum* G.Moris) = *Galium elongatum*
***Galium mollugo* L.**
 (*Galium mollugo* L. subsp. *pycnotrichum* (Heim. Braun) Krendl) = *Galium pycnotrichum*
 (*Galium neotauricum* Klokov) = *Cruciata neotaurica*
***Galium octonarium* (Klokov) Soó**
***Galium odessanum* Klokov**
***Galium odoratum* (L.) Scop.**
***Galium olgae* Klokov** ~ *Galium verum*
***Galium palustre* L.**
 (*Galium palustre* L. subsp. *elongatum* (C.Presl) Lange) = *Galium elongatum*
 (*Galium pedemontanum* All.) = *Cruciata pedemontana*
***Galium physocarpum* Ledeb.**
 (*Galium polonicum* Blocki) = *Galium carpaticum*
***Galium praeboreale* Klokov** ~ *Galium boreale*
 (*Galium praecox* (K.H.Lang) A.Kern.) = *Galium wirtgenii*
?*Galium pseudoaristatum* Schur
 (*Galium* × *pseudoboreale* Klokov) = *Galium* × *pseudorubioides*
 (*Galium pseudohumifusum* Ostapko) = *Galium humifusum*
***Galium pseudomollugo* Klokov** ~ *Galium album*

Galium pseudorivale Tzvelev

Galium × **pseudorubioides** Klokov = *Galium boreale* × *Galium physocarpum*

Galium pumilum Murray

Galium pycnotrichum (Heinr.Braun) Borbás

Galium × **raisiae** Ostapko

Note: Taxonomic status uncertain (reported as *G. cincinnatum* × *G. tomentellum*?).

Galium rivale (Sibth. & Smith) Griseb.

{*Galium rivale* auct. non (Sibth. & Smith) Griseb.} = *Galium pseudorivale*

Galium rotundifolium L.

Galium rubioides L.

(*Galium ruprechtii* Pobed. p. max. p. incl. type) = *Galium trifidum*

Galium ruthenicum Willd.

Galium salicifolium Klokov ~ *Galium physocarpum*

{*Galium saxatile* auct. non L.} = *Galium hercynicum*

{*Galium scabrum* auct. non L.} = *Galium rotundifolium*

(*Galium schultesii* Vest) = *Galium intermedium*

Galium semiamictum Klokov ~ *Galium album*

{*Galium septentrionale* auct. non Roem. & Schult.} = *Galium boreale* & *Galium* ×
pseudorubioides

Galium sphenophyllum Klokov

Galium spurium L.

{*Galium spurium* L. subsp. *vailantii* (DC.) Gaudin} = *Galium vailantii*

Galium suberectum Klokov ~ *Galium album*

Galium subnemorale Klokov & Zaverucha

(*Galium tataricum* Trev.) = *Rubia tatarica*

{*Galium tauricum* (Pall. ex Willd) Roem. & Schult.} = *Cruciata taurica*

Galium tenderiense Klokov

Galium tenuissimum M.Bieb.

Galium tinctorium (L.) Scop.

Galium tomentellum Klokov ~ *Galium ruthenicum*

Galium transcarpaticum Stojko & Tassenkevich

{*Galium tricorne* Stokes, excl. typo} = *Galium tricornutum*

Galium tricornutum Dandy

Galium trifidum L.

Galium tyraicum Klokov

Galium uliginosum L.

Galium vailantii DC. ~ *Galium spurium*

Galium verticillatum Danth.

(*Galium verum* Scop.) = *Cruciata glabra*

Galium verum L.

(*Galium verum* L. subsp. *ruthenicum* (Willd.) Four.) = *Galium ruthenicum*

(*Galium verum* L. subsp. *wirtgenii* (F.W.Schultz) Oborny) = *Galium wirtgenii*

Galium volhynicum Pobed.

Conservation status: ERL (R).

Galium wirtgenii F.W.Schultz

Galium xeroticum (Klokov) Soó
Conservation status: ERL (R).
(*Galium zelenetskii* Klokov) = *Galium calcareum*

(*Rubia iberica* (Fisch. ex DC.) K.Koch) = *Rubia tinctorum*
Rubia tatarica (Trev.) F.Schmidt
Rubia tinctorum L.

Sherardia arvensis L.

FAMILY Rutaceae

***Citrus aurantium** L.
***Citrus limon** (L.) Burm.f.
***Citrus sinensis** Osbeck
(*Citrus trifoliata* L.) = *Poncirus trifoliata*
***Citrus unshiu** (Swingle) Marc.

Dictamnus albus L.
Conservation status: RDBU (2).
Dictamnus gymnostylis Steven

(*Haplophyllum ciliatum* Griseb.) = *Haplophyllum suaveolens*
Haplophyllum suaveolens (DC.) G.Don f.
(*Haplophyllum tauricum* Spach) = *Haplophyllum thesioides*
Haplophyllum thesioides (Fisch. ex DC.) G.Don f.

***Phellodendron amurense** Rupr.
Note: Four other species are cultivated in gardens, arboreta and parks.

***Poncirus trifoliata** (L.) Raf.

*!**Ptelea trifoliata** L.

Ruta divaricata Ten.
***Ruta hortensis** Mill.
[*Ruta graveolens* L. subsp. *divaricata* (Ten.) Gams] = *Ruta divaricata*
[*Ruta graveolens* L. subsp. *hortensis* (Mill.) Gams] = *Ruta hortensis*
(*Ruta suaveolens* DC.) = *Haplophyllum suaveolens*
(*Ruta thesioides* Fisch. ex DC.) = *Haplophyllum thesioides*

FAMILY Salicaceae

(*Caprea cinerea* (L.) Opiz) = *Salix cinerea*
(*Caprea aurita* (L.) Opiz) = *Salix aurita*

(*Caprea vulgaris* Opiz) = *Salix caprea*

***Populus alba* L.**

*!***Populus balsamifera* L.**

***Populus bolleana* Lauche** ~ *Populus alba*

*!***Populus* × *canadensis* Moench** = *Populus deltoides* × *Populus nigra*

****Populus candicans* Aiton**

****Populus* × *canescens* (Aiton) Smith** = *Populus alba* × *Populus tremula*

****Populus deltoides* Marshall**

(*Populus* × *euroamericana* (Dode) Guinier) = *Populus* × *canadensis*

(*Populus* × *hybrida* M.Bieb.) = *Populus* × *canescens*

****Populus italica* (Du Roi) Moench** ~ *Populus nigra*

****Populus laurifolia* Ledeb.**

****Populus* × *moskoviensis* Schroeder** = *Populus suaveolens* × *Populus laurifolia*

***Populus nigra* L.**

(*Populus pyramidalis* Rozier) = *Populus italica*

(*Populus pseudotremula* N.I.Rubtzov) = *Populus tremula*

****Populus simonii* Carrière**

****Populus suaveolens* Fisch.**

Note: Several other exotic species of *Populus* are rarely cultivated in botanical gardens.

***Populus tremula* L.**

***Salix acutifolia* Willd.**

***Salix alba* L.**

***Salix alpina* Scop.**

(*Salix amygdalina* L.) = *Salix triandra*

(*Salix arenaria* L.) = *Salix repens*

***Salix aurita* L.**

****Salix babylonica* L.**

****Salix* × *blanda* Andersson** = *Salix alba* × *Salix fragilis*

***Salix caprea* L.**

***Salix cinerea* L.**

***Salix daphnoides* Vill.**

***Salix elaeagnos* Scop.**

***Salix* × *elegantissima* K.Koch** = *Salix alba* × *Salix fragilis*

***Salix fragilis* L.**

***Salix herbacea* L.**

Conservation status: RDBU (2).

(*Salix incana* Schrank) = *Salix elaeagnos*

(*Salix jacquiniana* Willd.) = *Salix alpina*

(*Salix jacquinii* Host) = *Salix alpina*

(*Salix kitaibeliana* Willd.) = *Salix retusa*

***Salix lapponum* L.**

(*Salix livida* Wahlenb.) = *Salix starkeana*

(*Salix longifolia* Lam., nom. illeg.) = *Salix viminalis*

***Salix matsudana** Koidz.

Salix myrsinifolia Salisb.

Salix myrtilloides L.

Conservation status: RDBU (3).

(*Salix nigricans* Smith) = *Salix myrsinifolia*

Salix pentandra L.

{*Salix phyllicifolia* auct. non L.} = *Salix rhaetica*

Salix purpurea L.

{*Salix purpurea* auct. non L.} = *Salix vinogradovii*

Salix repens L.

[*Salix repens* L. subsp. *rosmarinifolia* (L.) C.Hartm.] = *Salix rosmarinifolia*

Salix reticulata L.

Conservation status: RDBU (1).

Salix retusa L.

Conservation status: RDBU (3).

Salix rhaetica Andersson

Salix rosmarinifolia L. ~ *Salix repens* aggr.

Salix silesiaca Willd.

Salix starkeana Willd.

Conservation status: RDBU (3).

Salix triandra L.

Salix viminalis L.

Salix vinogradovii A.K.Skvortsov

(*Salix vitellina* L.) = *Salix alba*

FAMILY: Santalaceae

Thesium alpinum L.

Thesium arvense Horv.

?**Thesium bavarum** Schrank

Thesium brachyphyllum Boiss.

Thesium caespitans (Ledeb.) Tzvelev

(*Thesium diffusum* Andrž. ex DC.) = *Thesium procumbens*

(*Thesium dollineri* Murb. subsp. *moesiicum* (Velen.) Stoj. & Stef.) = *Thesium moesiicum*

Thesium ebracteatum Hayne

(*Thesium linifolium* Schrank) = *Thesium linophyllum*

Thesium linophyllum L.

Thesium moesiicum Velen.

(*Thesium montanum* Ehrh., nom. illeg.) = *Thesium bavarum*

Thesium procumbens C.A.Mey.

(*Thesium ramosum* Hayne) = *Thesium arvense*

(*Thesium ramosum* Hayne var. *caespitans* Ledeb.) = *Thesium caespitans*

FAMILY Sapindaceae

**Koelreuteria paniculata* Laxm.

**Xanthoceras sorbifolium* Bunge

FAMILY Saxifragaceae

**Astilbe davidii* Henry

**Bergenia crassifolia* (L.) Fritsch

Chrysosplenium alpinum Schur

Chrysosplenium alternifolium L.

{*Chrysosplenium oppositifolium* auct. non L.} = *Chrysosplenium alpinum*
(*Chrysosplenium transsilvanicum* Schur) = *Chrysosplenium alpinum*

Saxifraga adscendens L.

Saxifraga aizoides L.

Conservation status: RDBU (1).

(*Saxifraga aizoon* Jacq.) = *Saxifraga paniculata*

Saxifraga androsacea L.

Conservation status: RDBU (3).

Saxifraga bryoides L.

Saxifraga bulbifera L.

Saxifraga carpatica Sternb.

(*Saxifraga carpathica* Rchb.) = *Saxifraga carpatica*

Note: See correction of spelling and author's designation in D.A. Webb (1987, Bot. J. Linn. Soc. 95: 227-251).

(*Saxifraga cymosa* Waldst. & Kit., nom. inval.) = *Saxifraga pedemontana* subsp. *cymosa*

(*Saxifraga engleri* Dalla Torre, non Host ex Regel) = *Saxifraga stellaris* subsp. *engleri*

Saxifraga granulata L.

?*Saxifraga hieracifolia* Waldst. & Kit. ex Willd.

Note: Reported for adjacent areas in Romania, may be expected in the Carpathians.

Saxifraga hirculus L.

Conservation status: RDBU (2).

Saxifraga irriqua M.Bieb.

Saxifraga luteoviridis Schott & Kotschy

Conservation status: RDBU (3).

Saxifraga oppositifolia L.

Conservation status: RDBU (2).

Saxifraga paniculata Mill.

Saxifraga pedemontana All. subsp. *cymosa* Engl.

Saxifraga stellaris L. subsp. *engleri* P.Fourn.

Saxifraga tridactylites L.

FAMILY Schisandraceae

**Schisandra chinensis* (Turcz.) Baillon

FAMILY Scrophulariaceae

(*Alectorolophus aestivalis* N.Zinger) = *Rhinanthus aestivalis*
(*Alectorolophus minor* (L.) Wimmer & Grab.) = *Rhinanthus minor*
(*Alectorolophus vernalis* N.Zinger) = *Rhinanthus vernalis*

(*Antirrhinum cymbalaria* L.) = *Cymbalaria muralis*
(*Antirrhinum elatine* L.) = *Kickxia elatine*
(*Antirrhinum genistifolium* L.) = *Linaria genistifolia*
(*Antirrhinum hederaceum* Lam.) = *Cymbalaria muralis*
(*Antirrhinum linaria* L.) = *Linaria vulgaris*
*!*Antirrhinum majus* L.
(*Antirrhinum minus* L.) = *Chaenorrhinum minus*
[*Antirrhinum orontium* L.] = *Misopates orontium*
(*Antirrhinum spurium* L.) = *Kickxia spuria*

Bartsia alpina L.

(*Celsia orientalis* L.) = *Verbascum orientale*

Chaenorrhinum klokovii Kotov = *Chaenorrhinum minus*
Chaenorrhinum minus (L.) Lange
(*Chaenorrhinum viscidum* (Moench) Simonk.) = *Chaenorrhinum minus*

Cymbalaria muralis P.Gaertn., B.Mey. & Scherb.

Cymbochasma borysthenea (Pall. ex Schlecht.) Klokov & Zoz
Conservation status: RDBU (1); ERL (E).

Digitalis grandiflora Mill.

Digitalis lanata Ehrh.

Conservation status: RDBU (1): as a reputedly native species, known in Ukraine only from Transcarpathia; also widely cultivated.

**Digitalis purpurea* L.

Dodartia orientalis L.

Euphrasia bicknellii Wetst.

Euphrasia brevipila Burn. & Gremler ~ *Euphrasia stricta* s.l.

Euphrasia carpatica Zapal. ~ *Euphrasia salisburgensis*

Euphrasia chitrovoi Tzvelev

?**Euphrasia coerulea** Tausch ex Hoppe & Fuernrohr

Note: Ukrainian records need confirmation.

(*Euphrasia condensata* Jord.) = *Euphrasia stricta*

(*Euphrasia curta* (Fr.) Wettst.) = *Euphrasia parviflora*

Euphrasia fennica Kihlm.

(*Euphrasia glabrescens* (Wettst.) Wiinst.) = *Euphrasia parviflora*

[*Euphrasia glutinosa* M.Bieb.] = *Macrosyringion glutinosum*

Euphrasia hirtella Jord. ex Reut.

Euphrasia irenae Juz.

Euphrasia kernerii Wettst.

(*Euphrasia lutea* L.) = *Odontites luteus*

(*Euphrasia minima* Jacq. var. *carpatica* Freyn, non *Euphrasia carpatica* Zapal.) =

Euphrasia tatrae

Euphrasia montana Jord.

Euphrasia × **murbeckii** Wettst. = *Euphrasia brevipila* × *Euphrasia parviflora*

Euphrasia nemorosa (Pers.) Wallr.

(*Euphrasia odontites* L.) = *Odontites vulgaris*

[*Euphrasia officinalis* L. subsp. *kernerii* (Wettst.) Eb.Fischer] = *Euphrasia kernerii*

[*Euphrasia officinalis* L. subsp. *picta* (Wimmer) Oborny] = *Euphrasia picta*

[*Euphrasia officinalis* L. subsp. *rostkoviana* (Hayne) Towns.] = *Euphrasia rostkoviana*

(*Euphrasia orae-australis* Juz.) = *Euphrasia bicknellii*

Euphrasia parviflora Schag.

Euphrasia pectinata Ten. ~ *Euphrasia stricta* s.l.

Euphrasia picta Wimmer

Euphrasia rostkoviana Hayne

Euphrasia salisburgensis Funck

(*Euphrasia serotina* Lam., nom. illeg.) = *Odontites vulgaris*

Euphrasia stricta D.Wolff ex J.F.Lehm.

Euphrasia tatarica Fisch. ex Spreng. ~ *Euphrasia stricta* s.l.

{*Euphrasia tatarica* auct. non Fisch. ex Spreng.} = *Euphrasia irenae*

Euphrasia tatrae Wettst.

Euphrasia taurica Ganesch. ex Popl.

(*Euphrasia tenuis* (Brenn.) Wettst.) = *Euphrasia vernalis*

(*Euphrasia uechtriziana* Jung. & Engl.) = *Euphrasia coerulea*

{*Euphrasia uechtriziana* auct. non Jung. & Engl.} = *Euphrasia chitrovoi*

Euphrasia vernalis List.

Gratiola officinalis L.

Kickxia caucasica (Muss.-Puschk. ex Spreng.) Kuprian.

Kickxia elatine (L.) Dumort.

Kickxia spuria (L.) Dumort.

Lathraea squamaria L.

Limosella aquatica L.

Linaria angustissima (Loisel.) Borbás

Linaria bessarabica Kotov

Conservation status: RDBU (1); ERL (V).

Linaria biebersteinii Besser

Conservation status: IUCN RL (1).

(*Linaria biebersteinii* Besser subsp. *ruthenica* (Bloński) Ivanina) = *Linaria ruthenica*

{*Linaria bipartita* auct. non (Vent.) Willd.} = *Linaria incarnata*

Linaria concolor Griseb.

Linaria cretacea Fisch. ex Spreng.

Conservation status: RDBU (1), including *Linaria cretica*.

(*Linaria cretica* Kuprian.) = *Linaria cretacea*

Linaria dulcis Klokov

Linaria euxina Velen. ~ *Linaria sypirensis*

Linaria genistifolia (L.) Mill.

*!*Linaria incarnata* (Vent.) Spreng.

Linaria macroua (M.Bieb.) M.Bieb.

Linaria maeotica Klokov

(*Linaria petraea* Steven) = *Linaria sypirensis*

(*Linaria pontica* Kuprian.) = *Linaria genistifolia*

Linaria ruthenica Bloński

{*Linaria ruthenica* auct. non Bloński} = *Linaria maeotica*

Linaria sabulosa Czern. ex Klokov ~ *Linaria genistifolia* s.l.

Conservation status: RDBU (2); ERL (R).

(*Linaria scenoreina* Juz.) = *Linaria genistifolia*

Linaria simplex (Willd.) DC.

Linaria sypirensis K.Koch ~ *Linaria genistifolia* s.l.

Note: Southern Ukrainian races of the *Linaria genistifolia* aggregate are probably conspecific with *L. dalmatica* (L.) Mill.

Linaria tesquicola Klokov ~ *Linaria maeotica*

Linaria vulgaris Mill.

Lindernia procumbens (Krock.) Borbás

{*Lindernia pyxidaria* auct. non L.} = *Lindernia procumbens*

Macrosyringion glutinosum (M.Bieb.) Rothm.

Melampyrum argyrocomum Fisch. ex Koso-Pol. ~ *Melampyrum arvense* aggr.

Melampyrum arvense L.

(*Melampyrum arvense* L. subsp. *pseudobarbulatum* (Schur.) Ronn) = *Melampyrum arvense*

Melampyrum carpaticum Schult. ~ *Melampyrum sylvaticum* aggr.

Melampyrum chlorostachyum Beauverd ~ *Melampyrum arvense* aggr.

Melampyrum cretaceum Czern. ~ *Melampyrum arvense* aggr.

Melampyrum cristatum L.

[*Melampyrum cristatum* L. subsp. *solstitale* (Ronniger) Ronniger] = *Melampyrum solstitialis*

Melampyrum herbichii Wol. ~ *Melampyrum sylvaticum* aggr.

?**Melampyrum herbichii** Wol. subsp. **woloszczakii** Jasiew.

Note: Probably occurs in the Carpathians.

Melampyrum laciniatum Koshevn. & Zinger ~ *Melampyrum pratense* aggr.

(*Melampyrum laricetorum* (A.Kern.) Ronniger) = *Melampyrum carpaticum*

Melampyrum moravicum Heinr.Braun ~ *Melampyrum nemorosum* aggr.

Melampyrum nemorosum L.

[*Melampyrum nemorosum* L. subsp. *moravicum* (Heinr.Braun) Ronniger] = *Melampyrum moravicum*

Melampyrum polonicum (Beauverd) Soó ~ *Melampyrum nemorosum* aggr.

Melampyrum polonicum (Beauverd) Soó subsp. **hayekii** Soó

Melampyrum pratense L.

[*Melampyrum pratense* L. subsp. *laciniatum* (Koshevn. & Zinger) Tzvelev] = *Melampyrum laciniatum*

Melampyrum saxosum Baumg. ~ *Melampyrum sylvaticum* aggr.

Melampyrum solstitale Ronniger ~ *Melampyrum cristatum* aggr.

{*Melampyrum subalpinum* auct. non A.Kern.} = *Melampyrum polonicum*

Melampyrum sylvaticum L.

[*Melampyrum sylvaticum* L. subsp. *carpaticum* (Schult.) Soó] = *Melampyrum carpaticum*

[*Melampyrum sylvaticum* L. subsp. *laricetorum* (A.Kern.) Ronniger] = *Melampyrum carpaticum*

(*Melampyrum vulgatum* Pers., nom. illeg.) = *Melampyrum pratense*

{*Melampyrum vulgatum* auct. non Pers.} = *Melampyrum laciniatum*

[*Microrrhinum klokovii* (Kotov) F.Speta] = *Chaenorrhinum klokovii*

[*Microrrhinum minus* (L.) Fourr.] = *Chaenorrhinum minus*

(*Mimulus alectorolophus* Scop., nom. illeg.) = *Rhinanthus alectorolophus*

{*Mimulus luteus* auct. non L.} = *Mimulus guttatus*

*!**Mimulus guttatus** DC.

Misopates orontium (L.) Raf.

[*Odontites glutinosus* (M.Bieb.) Benth.] = *Macrosyringium glutinosum*

Odontites luteus (L.) Clairv.

Odontites salinus (Kotov) Kotov

(*Odontites serotinus* Dumort.) = *Odontites vulgaris*

Odontites vernus (Bellardi) Dumort.

Odontites vulgaris Moench

[*Odontites vulgaris* Moench subsp. *salinus* (Kotov) Tzvelev] = *Odontites salinus*

(*Orthantha lutea* (L.) A.Kern. ex Wettst., nom. illeg.) = *Odontites luteus*

[*Orthanthella lutea* (L.) Rauschert] = *Odontites luteus*

**Paulownia tomentosa* (Thunb.) Steud.

(*Pedicularis carpatica* Porc.) = *Pedicularis hasquetii*

?*Pedicularis comosa* L.

Note: Occurrence of *P. comosa* s.str. in Ukraine needs confirmation.

{*Pedicularis comosa* auct. non L.} = *Pedicularis kaufmannii*

Pedicularis dasystachys Schrenk

Pedicularis exaltata Besser

Conservation status: RDBU (1); ERL (1).

Pedicularis hacquetii Graf

Pedicularis kaufmannii Pinzg.

Pedicularis oederi Vahl

Conservation status: RDBU (1).

Pedicularis palustris L.

Pedicularis sceptrum-carolinum L.

Conservation status: RDBU (1).

Pedicularis sibthorpii Boiss.

Pedicularis sylvatica L.

(*Pedicularis transsilvanica* Schur) = *Pedicularis hacquetii*

(*Pedicularis versicolor* Wahlenb.) = *Pedicularis oederi*

Pedicularis verticillata L.

[*Pseudolysimachion barrelieri* (Schott) Holub] = *Veronica barrelieri*

[*Pseudolysimachion euxinum* (Turill) Holub] = *Veronica euxina*

[*Pseudolysimachion incanum* (L.) Holub] = *Veronica incana*

[*Pseudolysimachion incanum* (L.) Holub subsp. *hololeucum* (Juz.) Holub] = *Veronica hololeuca*

[*Pseudolysimachion longifolium* (L.) Opiz] = *Veronica longifolia*

[*Pseudolysimachion orchideum* (Crantz) T. Wraber] = *Veronica orchidea*

(*Pseudolysimachion paniculatum* (L.) Hartl.) = *Veronica spuria*

[*Pseudolysimachion spicatum* (L.) Opiz] = *Veronica spicata*

[*Pseudolysimachion spurium* (L.) Rauschert] = *Veronica spuria*

(*Pseudolysimachion spurium* (L.) Rauschert subsp. *paniculatum* (L.) Dostál) = *Veronica spuria*

[*Pseudolysimachion viscosulum* (Klokov) Soják] = *Veronica viscosula*

Rhinanthus aestivalis (N.Zinger) Schischk. & Serg. ~ *Rhinanthus serotinus*

Rhinanthus alectorolophus Pollich

(*Rhinanthus alpinus* Baumg. 1816, non (L.) Lam. 1778) = *Rhinanthus pulcher* subsp. *alpinus*

(*Rhinanthus angustifolius* C.C.Gmel., nom. ambig.) = *Rhinanthus glacialis* subsp. *subalpinus*

Rhinanthus apterus (Fr.) Ostenf.

Rhinanthus cretaceus Vassilcz.

Conservation status: RDBU (1); ERL (R).

{*Rhinanthus crista-galli* auct. non L.} = *Rhinanthus minor*

(*Rhinanthus elatus* (Sterneck) O.Schwarz) = *Rhinanthus pulcher* subsp. *elatus*

(*Rhinanthus erectus* (Sterneck) O.Schwarz) = *Rhinanthus pulcher* subsp. *erectus*

Rhinanthus × **fallax** (Wimmer & Graeb.) Chabert. = *Rhinanthus minor* × *Rhinanthus vernalis*

(*Rhinanthus glaber* Lam.) = *Rhinanthus minor*

Rhinanthus glacialis Personnat subsp. **aristatus** (Čelak.) Rauschert

Rhinanthus glacialis Personnat subsp. **subalpinus** (Sterneck) Rauschert

(*Rhinanthus major* L., nom. ambig.) = *Rhinanthus alectorolophus*

{*Rhinanthus major* sensu Ehrh., non L.} = *Rhinanthus serotinus*

{*Rhinanthus mediterraneus* auct. non (Sterneck) Adamov} = *Rhinanthus vassilchenkoi*

Rhinanthus minor L.

Rhinanthus minor L. subsp. **elatio**r (Schur) O.Schwarz

(*Rhinanthus minor* L. subsp. *stenophyllus* (Schur) O.Schwarz) = *Rhinanthus nigricans*

{*Rhinanthus montanus* auct. non Saut.} = *Rhinanthus serotinus*

Rhinanthus nigricans Meinsh.

(*Rhinanthus patulus* (Sterneck) Schinz & Thell.) = *Rhinanthus alectorolophus*

Rhinanthus pectinatus (Behrend.) Vassilcz.

Rhinanthus pulcher Gunther & Schummel ex Opiz subsp. **alpinus** (Walp.) Rauschert

Rhinanthus pulcher Gunther & Schummel ex Opiz subsp. **elatus** (Sterneck) O.Schwarz

Rhinanthus pulcher Gunther & Schummel ex Opiz subsp. **erectus** (Sterneck) O.Schwarz

Rhinanthus serotinus (Schoenh.) Oborny

[*Rhinanthus serotinus* (Schoenh.) Oborny subsp. *aestivalis* (N.Zinger) Dostal] =

Rhinanthus aestivalis

[*Rhinanthus serotinus* (Schoenh.) Oborny subsp. *vernalis* (N.Zinger) Hyl.] = *Rhinanthus vernalis*

Rhinanthus songaricus (Sterneck) B.Fedtsch.

(*Rhinanthus stenophyllus* (Schur) O.Schwarz) = *Rhinanthus nigricans*

Rhinanthus subulatus (Chabert) Soó

Rhinanthus vassilchenkoi Ivanina & Karasjuk

Rhinanthus vernalis (N.Zinger) Schischk. & Serg. ~ *Rhinanthus serotinus*

[*Rhinanthus vernalis* (N.Zinger) subsp. *aestivalis* (N.Zinger) Ivanina] = *Rhinanthus aestivalis*

(*Scrophularia alata* Gilib., nom. inval.) = *Scrophularia umbrosa*

(*Scrophularia aquatica* L., nom. utique rej. prop.) = *Scrophularia umbrosa*

Scrophularia bicolor Smith

{*Scrophularia canina* auct. non L.} = *Scrophularia bicolor*

Scrophularia cretacea Fisch. ex Spreng.

Conservation status: RDBU (3); IUCN RL (I); ERL (I).

Scrophularia donetzica Kotov ~ *Scrophularia rupestris* s.l.

Conservation status: RDBU (2); ERL (R).

Scrophularia exilis Popl.

(*Scrophularia glandulosa* Waldst. & Kit.) = *Scrophularia scopolii*

Scrophularia goldeana Juz.

Scrophularia granitica Klokov & A.Krasnova

Conservation status: RDBU (1).

Scrophularia nodosa L.

Scrophularia olympica Boiss.

Scrophularia rupestris M.Bieb. ex Willd.

Scrophularia scopolii Hoppe ex Pers.

Scrophularia umbrosa Dumort.

Scrophularia vernalis L.

{*Tozzia alpina* auct. non L.} = *Tozzia carpathica*

[*Tozzia alpina* L. subsp. *carpathica* (Wol.) Hayek] = *Tozzia carpathica*

Tozzia carpathica Wol.

Verbascum austriacum Schott ex Roem. & Schult. ~ *Verbascum chaixii* aggr.

{*Verbascum austriacum* auct. non Schott} = *Verbascum marschallianum*

Verbascum × *ambiguum* Lej. = *Verbascum densiflorum* × *Verbascum nigrum*

Note: Distribution of hybrids in Ukraine is insufficiently known.

Verbascum banaticum Schrad.

(*Verbascum biebersteinii* Besser) = *Verbascum lychnitis*

Verbascum blattaria L.

Verbascum densiflorum Bertol.

[*Verbascum chaixii* Vill. subsp. *austriacum* (Schott ex Roem. & Schult.) Hayek] =
Verbascum austriacum

[*Verbascum chaixii* Vill. subsp. *laxum* (Filar. & Jáv.) Ivanina] = *Verbascum laxum*

(*Verbascum chaixii* Vill. subsp. *orientale* (M.Bieb.) Hayek) = *Verbascum orientale*

(*Verbascum compactum* M.Bieb.) = *Verbascum ovalifolium*

(*Verbascum erythrocaule* Schur) = *Verbascum glabratum*

Verbascum glabratum Friv.

Verbascum gnaphalodes M.Bieb.

Verbascum × *ignescens* Tausch = *Verbascum lychnitis* × *Verbascum phoeniceum*

Verbascum × *incanum* Gaudin = *Verbascum lychnitis* × *Verbascum nigrum*

Verbascum × *intermedium* Rupr. ex Pfund = *Verbascum blattaria* × *Verbascum nigrum*

Verbascum lanatum Schrad.

Verbascum laxum Filar. & Jáv. ~ *Verbascum chaixii* aggr.

Verbascum lychnitis L.

Verbascum marschallianum Ivanina & Tzvelev ~ *Verbascum chaixii* aggr.

Verbascum nigrum L.

Verbascum orientale (L.) All.

(*Verbascum orientale* M.Bieb.) = *Verbascum marschallianum*

Verbascum ovalifolium Donn ex Sims.

Verbascum phlomoides L.

Verbascum phoeniceum L.

Verbascum pinnatifidum Vahl

Verbascum × pseudophoeniceum Reichardt = *Verbascum blattaria* × *Verbascum phoeniceum*
Verbascum pyramidatum M.Bieb.
Verbascum × ramigerum Link ex Schrad. = *Verbascum densiflorum* × *Verbascum lychnitis*
Verbascum sinuatum L.
Verbascum speciosum Schrad.
Verbascum spectabile M.Bieb.
Verbascum × tauricum Hook. = *Verbascum phoeniceum* × *Verbascum spectabile*
 (*Verbascum thapsiforme* Schrad.) = *Verbascum densiflorum*
Verbascum thapsus L.
Verbascum undulatum Lam.
Verbascum × ustulatum Čelak. = *Verbascum nigrum* × *Verbascum phoeniceum*
Verbascum × versiflorum Schrad. = *Verbascum phoeniceum* × *Verbascum thapsus*

Veronica acinifolia L.
Veronica agrestis L.
Veronica alpina L.
 (*Veronica anagalliformis* Boreau) = *Veronica anagallis-aquatica*
Veronica anagallis-aquatica L.
Veronica anagalloides Guss.
Veronica aphylla L.
Veronica arvensis L.
Veronica austriaca L.
 {*Veronica austriaca* sensu Boriss., non L.} = *Veronica jacquinii*
 [*Veronica austriaca* L. subsp. *jacquinii* (Baumg.) Eb.Fischer] = *Veronica jacquinii*
 (*Veronica austriaca* L. subsp. *teucrium* (L.) D.A.Webb) = *Veronica teucrium*
Veronica barrelieri Schott ~ *Veronica spicata* aggr.
 (*Veronica barrelieri* Schott var. *donetzica* Ostapko, nom. inval.) = *Veronica donetzica*
Veronica baumgartenii Roem. & Schult.
Veronica beccabunga L.
Veronica bellidioides L.
Veronica bordzilowskii Juz.
Veronica borysthenica Ostapko ~ *Veronica spicata* aggr.
Veronica capselicarpa Dubovik
Veronica cardiocarpa (Kar. & Kir.) Walp.
 Note: A rare alien species recently collected in Kiev (T. Golyachenko, M. Bortnyak & al., 1992, Ukr. Bot. Zhurn. 49(3): 93-95).
Veronica chamaedrys L.
 [*Veronica chamaedrys* L. subsp. *vindobonensis* M.A.Fisch.] = *Veronica vindobonensis*
Veronica cretacea Ostapko ~ *Veronica barrelieri*
 Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).
Veronica cymbalaria Bod.
 (*Veronica dentata* F.W.Schmidt) = *Veronica austriaca*
 {*Veronica didyma* auct. non Ten., nom. ambig.} = *Veronica polita*
Veronica dillenii Crantz

Veronica donetzica Ostapko ~ *Veronica barrelieri*

Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

?**Veronica euxina** Turill

Veronica filiformis Smith

Veronica fruticans Jacq.

?**Veronica fruticulosa** L.

Veronica gentianoides Vahl

Veronica gryniiana Klokov ~ *Veronica euxina*

Veronica hederifolia L.

[*Veronica hederifolia* L. subsp. *triloba* (Opiz) Čelak.] = *Veronica triloba*

Veronica hololeuca Juz.

Veronica humifusa Dicks. ~ *Veronica serpyllifolia*

Veronica incana L.

{*Veronica incana* auct. non L.} = *Veronica hololeuca*

(*Veronica ivoides* Juz.) = *Veronica gentianoides*

Veronica jacquinii Baumg.

Veronica longifolia L.

Veronica lysimachioides Boiss.

Veronica maeotica Klokov ~ *Veronica spicata* aggr.

(*Veronica maxima* Boriss., non Mill.) = *Veronica urticifolia*

Veronica montana L.

{*Veronica multifida* auct. non L.} = *Veronica capsellcarpa*

Veronica officinalis L.

Veronica opaca Fr.

Veronica orchidea Crantz

Veronica paczoskiana Klokov ~ *Veronica spicata*

(*Veronica paniculata* L.) = *Veronica spuria*

Veronica peregrina L.

Veronica persica Poir.

Veronica polita Fr.

{*Veronica poljensis* auct. non Murb.} = *Veronica anagalloides*

Veronica pontica Ostapko ~ *Veronica barrelieri*

Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

(*Veronica pseudochamaedrys* Jacq.) = *Veronica teucrium*

Veronica × **pseudoorchidea** (Pacz.) Klokov = *Veronica spicata* × *Veronica paczoskiana*

Veronica praecox All.

Veronica prostrata L.

?**Veronica scardica** Griseb.

Veronica sclerophylla Dubovik ~ *Veronica jacquinii*

Veronica scutellata L.

Veronica semiglabrata Ostapko ~ *Veronica incana*

Note: Probably a hybrid between *V. incana* and *V. barrelieri* (see V. Ostapko, 1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

Veronica serpyllifolia L.

[*Veronica serpyllifolia* L. subsp. *humifusa* (Dirks.) Syme] = *Veronica humifusa*

(*Veronica serpyllifolia* L. subsp. *nummularioides* (Lecoq & Lamotte) Dostál) = *Veronica humifusa*

Veronica spicata L.

Veronica spuria L.

Veronica sublobata M.A.Fisch. ~ *Veronica hederifolia*

(*Veronica steppacea* Kotov) = *Veronica barrelieri*

Note: The true identity of *V. steppacea* is uncertain (the type probably belongs to *V. maeotica* or *V. viscosula*).

Veronica taurica Willd.

Veronica teucrium L.

Veronica triloba (Opiz) Opiz ~ *Veronica hederifolia*

Veronica triphyllos L.

Veronica umbrosa M.Bieb.

Veronica urticifolia Jacq.

Veronica verna L.

Veronica vindobonensis (M.A.Fisch.) M.A.Fisch. ~ *Veronica chamaedrys*

Veronica viscosula Klokov

FAMILY Simaroubaceae

*!*Ailanthus altissima* (Mill.) Swingle

Note: A completely naturalized and invasive species in S Ukraine.
(*Ailanthus glandulosa* Desf.) = *Ailanthus altissima*

FAMILY Solanaceae

Atropa bella-donna L.

Conservation status: RDBU (2).

(*Atropa physalodes* L.) = *Nicandra physalodes*

**Capsicum annum* L.

*!*Datura innoxia* Mill.

**Datura metel* L.

*!*Datura meteloides* DC.

Datura stramonium L.

Datura tatula L. ~ *Datura stramonium*

(*Hyoscyamus agrestis* Kit. ex Schult.) = *Hyoscyamus bohemicus*

Hyoscyamus albus L.

Hyoscyamus bohemicus F.W.Schmidt ~ *Hyoscyamus niger*

Hyoscyamus niger L.

(*Hyoscyamus pallidus* Waldst. & Kit. ex Willd.) = *Hyoscyamus niger*

*!*Lycium barbarum* L.

Note: Completely naturalized elsewhere in Ukraine.

***Lycopersicon esculentum** Mill. s.l.
(*Lycopersicon lycopersicum* (L.) H.Karst., nom. utique rej.) = *Lycopersicon esculentum*

*!**Nicandra physalodes** (L.) P.Gaertn.

*!**Nicotiana alata** Link & Otto

***Nicotiana rustica** L.

***Nicotiana tabacum** L.

***Petunia** × **atkinsiana** D.Don ex Loudon

Note: A group of cultivated hybrids, mostly *P. integrifolia* (Hook.) Schinz & Thell. ×
P. axillaris Britt., Sterns & Poggenb.

(*Petunia hybrida* hort.) = *Petunia* × *atkinsiana*

Physalis alkekengi L.

***Physalis franchetii** Mast.

*!**Physalis ixocarpa** Brot. ex Hornem.

***Physalis peruviana** L.

***Physalis pubescens** L.

***Salpiglossis sinuata** Ruiz & Pav.

Scopolia carniolica Jacq.

Conservation status: RDBU (2).

(*Scopolia tubiflora* Kreyer) = *Scopolia carniolica*

Solanum alatum Moench ~ *Solanum villosum*

Solanum carolinense L.

Note: A rare alien species collected in Ukraine only once (Kiev, near a grain mill).

(*Solanum chlorocarpum* Spenner) = *Solanum schultesii*

(*Solanum citrullifolium* A.Braun) = *Solanum heterodoxum*

Solanum cornutum Lam.

(*Solanum decipiens* Opiz) = *Solanum schultesii*

(*Solanum depiliatum* Kitag. 1939, non Bitt. 1913) = *Solanum kitagawae*

Solanum dulcamara L.

(*Solanum flavescens* Andrz.) = *Solanum nigrum*

Solanum heterodoxum Dunal

Solanum humile Bernh. ex Willd. ~ *Solanum nigrum*

?**Solanum judaicum** (L.) Besser

Note: Reported by W. Besser (1809) from Podolia; no recent records available.

Solanum kitagawae Schoenb.-Tem. ~ *Solanum dulcamara*

(*Solanum luteum* Mill.) = *Solanum villosum*

(*Solanum luteum* Mill. subsp. *alatum* (Moench) Dostál) = *Solanum alatum*

(*Solanum lycopersicum* L.) = *Lycopersicon esculentum*

***Solanum melongena** L.

Solanum nigrum L.

[*Solanum nigrum* L. subsp. *humile* (Bernh. ex Willd.) Marzell] = *Solanum humile*

[*Solanum nigrum* L. subsp. *schultesii* (Opiz) Wessely] = *Solanum schultesii*

(*Solanum nigrum* L. var. *viscosum* Lonacz. ex Wissjul.) = *Solanum schultesii*

(*Solanum rostratum* Dunal) = *Solanum cornutum*

Solanum schultesii Opiz

Solanum sisymbriifolium Lam.

***Solanum tuberosum** L.

Solanum villosum Mill.

[*Solanum villosum* Mill. subsp. *alatum* (Moench) Edmonds] = *Solanum alatum*

(*Solanum villosum* Mill. subsp. *puniceum* (Kirschl.) Edmonds) = *Solanum alatum*

Solanum zelenetzii Pojark. ~ *Solanum alatum*

Conservation status: ERL (1).

FAMILY Staphyleaceae

***Staphylea colchica** Steven

Staphylea pinnata L.

Conservation status: RDBU (2).

***Staphylea trifolia** L.

FAMILY Tamaricaceae

(*Tamarix affinis* Bunge) = *Tamarix gracilis*

(*Tamarix germanica* L.) = *Myricaria germanica*

Tamarix gracilis Willd.

Conservation status: RDBU (1).

Tamarix hohenackeri Bunge

(*Tamarix odessana* Steven ex Bunge) = *Tamarix ramosissima*

(*Tamarix polystachya* Ledeb.) = *Tamarix gracilis*

Tamarix ramosissima Ledeb.

{*Tamarix smyrnensis* auct. non Bunge} = *Tamarix hohenackeri*

Tamarix tetrandra Pall. ex M.Bieb.

(*Myricaria alopecuroides* Schrenk) = *Myricaria bracteata*

Myricaria bracteata Royle

Myricaria germanica (L.) Desv.

[*Myricaria germanica* (L.) Desv. subsp. *alopecuroides* (Schrenk) Kitam.] = *Myricaria bracteata*

Myricaria squamosa Desv.

FAMILY Theaceae

***Thea sinensis** L.

FAMILY Theligonaceae

Theligonum cynocrambe L.

FAMILY Thymelaeaceae

Daphne encorum L.

Conservation status: RDBU (3).

Daphne laureola L.

Daphne mezereum L.

Daphne sophia Kalen.

Conservation status: RDBU (1); IUCN RL (I); ERL (R).

Daphne taurica Kotov

Conservation status: RDBU (1); ERL (E).

Thymelaea passerina (L.) Coss. & Germ.

FAMILY Tiliaceae

**Tilia americana* L.

**Tilia amurensis* Rupr.

(*Tilia argentea* Desf. ex DC.) = *Tilia tomentosa*

**Tilia begoniifolia* Steven

Note: *Tilia begoniifolia* has been described from the Caucasus, cultivated in Ukraine; Crimean wild populations are sometimes treated as a separate species, *T. ruprechtii*.

**Tilia caroliniana* Mill.

(*Tilia caucasica* Rupr.) = *Tilia begoniifolia*

Tilia cordata Mill.

(*Tilia cordata* Mill. var. *mandshurica* Maxim.) = *Tilia amurensis*

(*Tilia cordifolia* Besser) = *Tilia europaea*

Tilia dasystyla Steven

Conservation status: RDBU (2); ERL (V).

Tilia europaea L.

{*Tilia europaea* auct. non L.} = *Tilia × vulgaris*

(*Tilia grandiflora* Ehrh.) = *Tilia platyphyllos*

**Tilia heterophylla* Vent.

**Tilia ledebouri* Borbás

**Tilia mandshurica* Rupr.

(*Tilia officinarum* Crantz, nom. utique rej. prop.) = *Tilia cordata*

**Tilia oliveri* Szyszyl.

(*Tilia parvifolia* Hoffm.) = *Tilia cordata*

Tilia petiolaris DC.

Tilia platyphyllos Scop.

(*Tilia platyphyllos* Scop. subsp. *cordifolia* (Besser) C.K.Schneid.) = *Tilia europaea*

Tilia ruprechtii Borbás = *Tilia begoniifolia*

Tilia tomentosa Moench

Tilia × **vulgaris** Hayne = *Tilia cordata* × *Tilia platyphyllos*

FAMILY Trapaceae

Note: The family is represented in Ukraine by one "macrospecies", *Trapa natans* L. sensu lato.

Trapa borysthena V.Vassil. = *Trapa natans*

Trapa danubialis Dobrocz. = *Trapa pseudocolchica*

Trapa flerovii Dobrocz.

Trapa hungarica Opiz

(*Trapa hungarica* Flerow 1925, non Opiz 1854) = *Trapa flerovii*

Trapa macrorhiza Dobrocz. = *Trapa ucrainica*

Trapa maecotica Woronow

Trapa natans L.

Conservation status: RDBU (2), as *Trapa natans* s.l., including all species of the genus occurring in Ukraine.

Trapa pseudocolchica V.Vassil.

Trapa rossica V.Vassil.

Trapa ucrainica V.Vassil.

FAMILY Tropaeolaceae

***Tropaeolum majus** L.

***Tropaeolum minus** L.

FAMILY Ulmaceae

***Celtis australis** L.

***Celtis caucasica** Willd.

Celtis glabrata Steven ex Planch.

***Celtis occidentalis** L.

Note: Several other exotic species of *Celtis* are rarely cultivated in botanical gardens and arboreta.

(*Ulmus campestris* L. nom. ambig.) = *Ulmus minor*

(*Ulmus campestris* L. var. *suberosa* (Moench) Wahl) = *Ulmus suberosa*

(*Ulmus carpiniifolia* Rupp. ex G.Suckow) = *Ulmus minor*

(*Ulmus celtidea* (Rogow.) Litv.) = *Ulmus laevis*

(*Ulmus corylifolia* Host) = *Ulmus minor*

(*Ulmus effusa* Willd.) = *Ulmus laevis*

(*Ulmus elliptica* K.Koch) = *Ulmus glabra*

(*Ulmus excelsa* Borkh.) = *Ulmus glabra*

(*Ulmus foliacea* Gilib., nom. inval.) = *Ulmus minor*

Ulmus glabra Huds.

(*Ulmus glabra* Mill. 1768, non Huds. 1762) = *Ulmus minor*

Ulmus × **hollandica** Mill. = *Ulmus glabra* × *Ulmus minor*

Ulmus laevis Pall.

Ulmus minor Mill.

[*Ulmus minor* Mill. var. *suberosa* (Moench) Soó] = *Ulmus suberosa*

(*Ulmus pinnato-ramosa* Dieck ex Koehne) = *Ulmus pumila*

(*Ulmus podolica* (Wilez.) Klokov) = *Ulmus glabra*

*!**Ulmus pumila** L.

Note: Locally naturalized, especially common along railroads (e.g. in Kiev).

(*Ulmus scabra* Mill) = *Ulmus glabra*

Ulmus suberosa Moench ~ *Ulmus minor*

(*Ulmus sukaczewii* Andron.) = *Ulmus glabra*

(*Ulmus wyssozkyi* Kotov) = *Ulmus minor*

***Zelkova carpinifolia** (Pall.) K.Koch

FAMILY Urticaceae

(*Parietaria chersonensis* (Lang & Szov.) Dörf.) = *Parietaria serbica*

(*Parietaria diffusa* Mert. & W.D.J.Koch) = *Parietaria judaica*

(*Parietaria erecta* Mert. & W.D.J.Koch) = *Parietaria officinalis*

Parietaria judaica L.

{*Parietaria lusitanica* auct. non L.} = *Parietaria serbica*

[*Parietaria lusitanica* L. subsp. *serbica* (Pančić) P.W.Ball] = *Parietaria serbica*

Parietaria officinalis L.

{*Parietaria officinalis* auct. non L.} = *Parietaria judaica*

(*Parietaria ramiflora* Moench, nom. illeg.) = *Parietaria judaica*

Parietaria serbica Pančić

Urtica cannabina L.

Urtica dioica L.

(*Urtica dioica* L. subsp. *bollae* (Kanitz) Domin) = *Urtica kioviensis*

[*Urtica dioica* L. subsp. *galeopsifolia* (Wierzb. ex Opiz) Chrtek] = *Urtica galeopsifolia*

[*Urtica dioica* L. subsp. *kioviensis* (Rogow.) Domin] = *Urtica kioviensis*

[*Urtica dioica* L. subsp. *pubescens* (Ledeb.) Domin] = *Urtica pubescens*

[*Urtica dioica* L. subsp. *sondenii* (Simm.) Hyl.] = *Urtica sondenii*

Urtica galeopsifolia Wierzb. ex Opiz ~ *Urtica dioica* aggr.

Urtica kioviensis Rogow. ~ *Urtica dioica* aggr.

Conservation status: ERL (1).

Urtica pilulifera L.

Urtica pubescens Ledeb. ~ *Urtica dioica* aggr.

(*Urtica radicans* Bolla) = *Urtica kioviensis*

Urtica sondenii (Simm.) Avror. ex Geltman ~ *Urtica dioica* aggr.

Urtica urens L.

FAMILY (Vacciniaceae) = Ericaceae

FAMILY Valerianaceae

Centranthus calcitrapa (L.) Dufr.

Conservation status: RDBU (3).

Centranthus ruber (L.) DC.

(*Valeriana altissima* Hornem.) = *Valeriana officinalis*

(*Valeriana angustifolia* Tausch 1823, non Mill. 1768) = *Valeriana stolonifera*

(*Valeriana armena* P.Smirn. subsp. *grossheimii* (Worosch.) Worosch.) = *Valeriana grossheimii*

(*Valeriana bijuga* Simonk.) = *Valeriana tripteris*

(*Valeriana collina* Wallr., nom. illeg.) = *Valeriana stolonifera*

(*Valeriana collina* Wallr. subsp. *nitida* (Kreyer) A.Löve & D.Löve) = *Valeriana wolgensis*

Valeriana dioica L.

Conservation status: RDBU (3).

(*Valeriana dioica* L. var. *simplicifolia* Rechb.) = *Valeriana simplicifolia*

(*Valeriana dubia* Bunge subsp. *rossica* (P.Smirn.) Worosch.) = *Valeriana rossica*

(*Valeriana exaltata* J.C.Mikan) = *Valeriana officinalis*

(*Valeriana excelsa* Poir. subsp. *sambucifolia* (J.C.Mikan) Holub) = *Valeriana sambucifolia*

Valeriana grossheimii Worosch.

(*Valeriana nitida* Kreyer) = *Valeriana wolgensis*

Valeriana officinalis L.

(*Valeriana officinalis* L. subsp. *nitida* (Kreyer) Soó) = *Valeriana wolgensis*

(*Valeriana officinalis* L. var. *nitida* (Kreyer) Rostański) = *Valeriana wolgensis*

(*Valeriana palustris* Kreyer) = *Valeriana officinalis*

(*Valeriana polygama* Besser ex DC.) = *Valeriana simplicifolia*

Valeriana rossica P.Smirn.

Valeriana sambucifolia J.C.Mikan

Valeriana simplicifolia (Rechb.) Kabath

Valeriana stolonifera Czern.

(*Valeriana tanaitica* Worosch.) = *Valeriana wolgensis*

(*Valeriana transsilvanica* Schur) = *Valeriana tripteris*

Valeriana tripteris L.

Valeriana tuberosa L.

(*Valeriana wallrothii* Kreyer) = *Valeriana stolonifera*

Valeriana wolgensis Kazak. ~ *Valeriana officinalis*

(*Valerianella auricula* DC.) = *Valerianella rimosa*

Valerianella brachystephana (Ten.) Bertol.

Valerianella carinata Loisel.

Valerianella coronata (L.) DC.

Valerianella costata (Steven) Betcke

Valerianella dentata (L.) Pollich

Valerianella echinata (L.) DC.
Valerianella falconida Schvedtsch.
Valerianella kotschyi Boiss.
Valerianella lasiocarpa (Steven) Beteke
Valerianella locusta (L.) Laterr.
Valerianella mixta (L.) Dufr.
Valerianella muricata (Steven ex M.Bieb.) J.W.Loudon
(*Valerianella olitoria* (L.) Pollich) = *Valerianella locusta*
Valerianella pontica Lipsky
Valerianella pumila (L.) DC.
Valerianella rimosa Bast.
Valerianella turgida (Steven) Beteke
Valerianella uncinata (M.Bieb.) Dufr.

FAMILY Verbenaceae

**Aloysia triphylla* (L'Hér.) Britton

**Clerodendrum bungei* Steud.

(*Clerodendrum foetidum* Bunge 1833, non D.Don 1825) = *Clerodendrum bungei*

*!*Verbena canadensis* (L.) Britt.

**Verbena* × *hybrida* Hort. ex Vilm.

Verbena officinalis L.

Verbena supina L.

Verbena urticifolia L.

Note: A rare alien reported for Transcarpathia.

*!*Vitex agnus-castus* L.

FAMILY Violaceae

Viola accrescens Klokov

(*Viola agrestis* Jord.) = *Viola arvensis*

Viola alba Besser

Conservation status: RDBU (1).

Viola ambigua Waldst. & Kit.

(*Viola arenaria* DC.) = *Viola rupestris*

Viola arvensis Murray

(*Viola austriaca* A.Kern. & J.Kern.) = *Viola suavis*

(*Viola besseri* Rupr.) = *Viola alba*

Viola biflora L.

Viola × *braunii* Borbás = *Viola canina* × *Viola rupestris*

(*Viola campestris* M.Bieb.) = *Viola ambigua*

Viola canina L.

Viola collina Besser

{*Viola commutata* auct. non Waisb.} = *Viola persicifolia*

Viola* × *contempta Jord. = *Viola arvensis* × *Viola tricolor*

Note: Hybrids of *Viola* are insufficiently known in Ukraine.

Viola cretacea Klokov ~ *Viola hymettia*

{*Viola cyanea* Čelak.} = *Viola suavis*

Viola dacica Borbás

Viola declinata Waldst. & Kit.

Viola dehnhardtii Ten.

Viola donetzkiensis Klokov ~ *Viola suavis*

{*Viola elatior* Fr.} = *Viola montana* s.str.

{*Viola elisabethae* Klokov} = *Viola saxatilis*

Viola epipsila Ledeb.

Viola hirta L.

{*Viola hybrida* Val de Lievre} = *Viola* × *interjecta*

{*Viola hybrida* hort.} = *Viola* × *wittrockiana*

Viola hymettia Boiss. & Heldr.

Viola* × *interjecta Borbás = *Viola collina* × *Viola hirta*

Viola* × *intermedia Rchb. = *Viola riviniana* × *Viola riviniana*

Viola jagellonica Zapal. ~ *Viola suavis*

Viola jooi Janka

Conservation status: RDBU (1); IUCN RL (R); ERL (R).

Viola jordanii Harry

Viola kitaibeliana Schult.

Viola* × *klingeana (Kupff.) W.Beck = *Viola nemoralis* × *Viola uliginosa*

Viola lavrenkoana Klokov ~ *Viola hymettia*

Conservation status: ERL (I).

Viola matutina Klokov ~ *Viola tricolor* s.l.

Viola mirabilis L.

Viola montana L. s.str.

{*Viola montana* auct. non L.} = *Viola nemoralis*

Viola nemausensis Jord. ~ *Viola tricolor*

{*Viola nemausensis* sensu Klokov, non Jord.} = *Viola hymettia*

Viola nemoralis Kütz.

Viola occulta Lehm.

Viola odorata L.

Viola oreades M.Bieb.

Conservation status: RDBU (3); IUCN RL (V); ERL (R).

Viola palustris L.

{*Viola parviflora* Kit.} = *Viola kitaibeliana*

{*Viola parviflora* Neilr.} = *Viola arvensis*

Viola persicifolia Schreb.

Viola pontica W.Beck. ~ *Viola suavis*

Viola pumila Chaix

{*Viola pumila* auct. non Chaix} = *Viola accrescens*

Viola reichenbachiana Jord. ex Boreau
Viola riviniana Rehb.
Viola rupestris F.W.Schmidt
Viola rupestris F.W.Schmidt subsp. **glaberrima** (Murb.) V.ikit.
Viola rupestris F.W.Schmidt nothosubsp. **glabrescens** (Neum.) V.Nikit. = *Viola rupestris*
subsp. *rupestris* × *Viola rupestris* subsp. *glaberrima*
{*Viola rupestris* sensu Klokov, non F.W.Schmidt} = *Viola rupestris* subsp. **glaberrima**
{*Viola ruppilii* auct. non All.} = *Viola nemoralis*
Viola saxatilis F.W.Schmidt
(*Viola scotophylla* Jord.) = *Viola dehnhardtii*
Viola sieheana W.Beck.
(*Viola stagnina* Kit.) = *Viola persicifolia*
Viola suavis M.Bieb.
(*Viola succica* Fr.) = *Viola epipsila*
(*Viola sylvatica* Fr. ex Hartm.f.) = *Viola reichenbachiana*
{*Viola sylvestris* auct. non Lam.} = *Viola riviniana*
{*Viola sylvestris* sensu Rehb., non Lam.} = *Viola reichenbachiana*
Viola tanaitica Grosset
Viola tricolor L.
[*Viola tricolor* L. subsp. *matutina* (Klokov) Valentine] = *Viola matutina*
Viola uliginosa Besser
(*Viola vespertina* Klokov) = *Viola saxatilis*
Viola × **villaquensis** Benz = *Viola nemoralis* × *Viola rupestris*
***Viola** × **wittrockiana** Gams ex Hegi
Note: A complex hybrid with participation of *Viola altaica* Ker.-Gawl., *V. lutea* Huds.,
and *V. tricolor* L.

FAMILY (Viscaceae) = Loranthaceae

FAMILY Vitaceae

***Ampelopsis brevipedunculata** (Maxim.) Trautv.
***Ampelopsis japonica** (Thunb.) Makino
(*Ampelopsis tricuspidata* Siebold & Zucc.) = *Parthenocissus tricuspidata*

(*Cissus brevipedunculata* Maxim.) = *Ampelopsis brevipedunculata*

*!**Parthenocissus inserta** (A.Kern.) Fritsch

Note: Taxonomy of cultivated and escaped species of *Parthenocissus* is confused;
probably the correct name for the common naturalized species is *P. pubescens*
(Schlecht.) Graebn. or *P. vitacea* (L.) Planch.

***Parthenocissus quinquefolia** (L.) Planch.

***Parthenocissus tricuspidata** (Siebold & Zucc.) Planch.

(*Paulinia japonica* Thunb.) = *Ampelopsis japonica*

**Vitis amurensis* Rupr.

**Vitis coignetiae* Bull. ex Planch.

(*Vitis inserta* A.Kern.) = *Parthenocissus inserta*

*!*Vitis labrusca* L.

**Vitis riparia* Michx. ~ *Vitis vulpina*

**Vitis rupestris* Scheele

Vitis sylvestris C.C.Gmel.

*!*Vitis vinifera* L.

[*Vitis vinifera* L. subsp. *sylvestris* (C.C.Gmel.) Hegi] = *Vitis sylvestris*

**Vitis vulpina* L.

FAMILY Zygothylaceae

Note: Including Tetradiclidaceae. See also Nitrariaceae & Peganaceae.

Tetradiclis tenella (Ehrenb.) Litv.

Tribulus terrestris L.

Zygothylum fabago L.

List of families

- Aceraceae** Juss. 76
Actinidiaceae Hutch. 77
Adiantaceae (C.Presl) Ching 3
Adoxaceae Trautv. 77
Agavaceae Endl. 13
Alismataceae Vent. 13
Alliaceae J.Agardh 14
Amaranthaceae Juss. 77
Amaryllidaceae J.St.-Hil. 16
Anacardiaceae Lindl. 79
Apiaceae Lindl. 79
Apocynaceae Juss. 89
Aquifoliaceae Bartl. 90
Araceae Juss. 17
Araliaceae Juss. 90
Arecaceae Sch.Bip. 18
Aristolochiaceae Juss. 90
Asclepiadaceae R.Br. 90
Asparagaceae Juss. 18
Asphodelaceae Juss. 18
(Aspidiaceae Mett. ex Frank) =
Dryopteridaceae
Aspleniaceae Newman 3
Asteraceae Dumort. 92
Athyriaceae Alston 4
Azollaceae Wettst. 4
- Balsaminaceae** A.Rich. 142
Basellaceae Moq. 142
Berberidaceae Juss. 142
Betulaceae S.F.Gray 143
Bignoniaceae Juss. 144
Blechnaceae (C.Presl.) Copel. 5
Boraginaceae Juss. 144
(Botrychiaceae Horan.) = Ophioglossaceae
Brassicaceae Burnett 149
Buddlejaceae Wilh. 164
Butomaceae Rich. 19
Buxaceae Dumort. 164
- Cactaceae** Juss. 164
Caesalpinaceae R.Br. 164
Callitrichaceae Link 165
Campanulaceae Juss. 165
Cannabaceae Endl. 167
Cannaceae Juss. 19
Capparaceae Juss. 167
(Capparidaceae auct.) = Capparaceae
- Caprifoliaceae** Juss. 168
(Carpinaceae Vest) = Betulaceae
Caryophyllaceae Juss. 169
Celastraceae R.Br. 181
(Celtidaceae Link) = Ulmaceae
Ceratophyllaceae S.F.Gray 181
(Chelidoniaceae Nakai) = Papaveraceae
Chenopodiaceae Vent. 182
Cistaceae Juss. 189
(Cleomaceae Horan.) = Capparaceae
Clusiaceae Lindl. 190
(Colchicaceae DC.) = Melanthiaceae
Commelinaceae R.Br. 19
(Compositae Giseke, nom. altern.) =
Asteraceae
Convallariaceae Horan. 19
Convolvulaceae Juss. 191
Cornaceae Dumort. 192
Corylaceae Mirbel 193
Crassulaceae DC. 193
(Cruciferae Juss., nom. altern.) =
Brassicaceae
Cucurbitaceae Juss. 195
Cupressaceae Rich. ex Bartl. 8
Cuscutaceae Dumort. 196
Cyperaceae Juss. 20
- Dennstaedtiaceae** Lotsy 6
Dioscoreaceae R.Br. 28
Dipsacaceae Juss. 197
Droseraceae Salisb. 199
Dryopteridaceae Ching 5
- Ebenaceae** Guerke 199
Elaeagnaceae Juss. 199
Elatinaceae Dumort. 199
Empetraceae S.F.Gray 200
Ephedraceae Dumort. 9
Equisetaceae Rich. ex DC. 2
Ericaceae Juss. 200
Eucommiaceae Engl. 201
Euphorbiaceae Juss. 201
- Fabaceae** Lindl. 205
Fagaceae Dumort. 224
Frankeniaceae S.F.Gray 225
Fumariaceae DC. 225
- Gentianaceae** Juss. 226
Geraniaceae Juss. 228
Ginkgoaceae Engl. 10
Globulariaceae DC. 229
(Gramineae Juss., nom. altern.) = Poaceae

- Grossulariaceae** DC. 229
(Guttiferae Juss., nom. altern.) = Clusiaceae
- Haloragaceae** R.Br. 230
Hamamelidaceae R.Br. 230
(Heliotropiaceae Schrad.) = Boraginaceae
Hemerocallidaceae R.Br. 28
Hemionitidaceae Pichi-Serm. 6
Hippocastanaceae DC. 231
Hippuridaceae Link 231
Hostaceae Mathew 28
Hyperziaceae Rothm. 2
Hyacinthaceae Batsch 29
Hydrangeaceae Dumort. 231
Hydrocharitaceae Juss. 31
Hydrophyllaceae R.Br. 231
Hypecoaceae (Dumort.) Willk. 231
(Hypericaceae Juss.) = Clusiaceae
(Hypolepidaceae Pichi-Serm.) =
Dennstaedtiaceae
- Iridaceae** Juss. 31
Isoëtaceae Rchb. 2
- Juglandaceae** A.Rich. ex Kunth 232
Juncaceae Juss. 33
Juncaginaceae Rich. 35
- (Labiatae Juss., nom. altern.) = Lamiaceae
Lamiaceae Lindl. 232
Lauraceae Juss. 244
(Leguminosae Juss., nom. altern.) = Fabaceae
Lemnaceae S.F.Gray 35
Lentibulariaceae Rich. 244
Liliaceae Juss. 36
Limoniaceae Scr. 245
Linaceae DC. ex S.F.Gray 246
Lobeliaceae R.Br. 247
Loranthaceae Juss. 247
Lycopodiaceae P.Beauv. ex Mirbel 1
Lythraceae J.St.-Hil. 247
- Magnoliaceae** Juss. 248
Malvaceae Juss. 249
Marsileaceae Mirbel 6
Martyniaceae Stapf 250
Melanthiaceae Batsch 38
Meliaceae Juss. 250
Menyanthaceae Dumort. 251
Mimosaceae R.Br. 251
- Molluginaceae** Hutch. 251
Monotropaceae Nutt. 251
Moraceae Link 251
Myrtaceae Juss. 251
Najadaceae Juss. 39
Nelumbonaceae Dumort. 252
Nitrariaceae Bercht. & J.Presl 252
Nyctaginaceae Juss. 252
Nymphaeaceae Salisb. 252
- Oleaceae** Hoffsgg. & Link 252
Onagraceae Juss. 254
Onocleaceae Pichi-Serm. 6
Ophioglossaceae (R.Br.) Agardh 6
Orchidaceae Juss. 39
Orobanchaceae Vent. 256
Oxalidaceae R.Br. 257
- Paeoniaceae** Rudolphi 258
(Palmae Juss., nom. altern.) = Arecaceae
Papaveraceae Juss. 258
Parnassiaceae S.F.Gray 260
Pedaliaceae R.Br. 260
Peganaceae (Engl.) Tieghem ex Takht. 260
Phytolaccaceae R.Br. 260
Pinaceae Lindl. 10
Plantaginaceae Juss. 260
Platanaceae Dumort. 260
Plumbaginaceae Juss. 262
Poaceae Barnhart 46
Polemoniaceae Juss. 262
Polygalaceae R.Br. 262
Polygonaceae Juss. 263
Polypodiaceae Bercht. & J.Presl 7
Pontederiaceae Kunth 73
Portulacaceae Juss. 269
Potamogetonaceae Dumort. 73
Primulaceae Vent. 269
Pteridaceae Rchb. 7
Punicaceae Horan. 271
Pyrolaceae Dumort. 271
- Ranunculaceae** Juss. 272
Resedaceae S.F.Gray 283
Rhamnaceae Juss. 284
Rosaceae Juss. 284
Rubiaceae Juss. 299
Ruppiaceae Hutch. 74
Ruscaceae Hutch. 74
Rutaceae Juss. 304

Salicaceae Mirbel 304
(Salsolaceae Moq.) = Chenopodiaceae
Salviniaceae T.Lestib. 7
Santalaceae R.Br. 306
Sapindaceae Juss. 307
Saxifragaceae Juss. 307
Scheuchzeriaceae Rudolphi 75
Schisandraceae Blume 308
Scrophulariaceae Juss. 308
Selaginellaceae Willk. 2
Simaroubaceae DC. 317
Sinopteridaceae Koidz. 7
Solanaceae Juss. 317
Sparganiaceae Rudolphi 75
Staphyleaceae Lindl. 319

(Tamaceae S.F.Gray) = Dioscoreaceae
Tamaricaceae Link 319
Taxaceae S.F.Gray 12
Taxodiaceae Neger 13
(Tetradiclidaceae (Engl.) Takht.) =
Zygophyllaceae
Theaceae D.Don 319
Theligonaceae Dumort. 320

Thelypteridaceae Pichi-Serm.'8
Thymelaeaceae Juss. 320
Tiliaceae Juss. 320
Trapaceae Dumort. 321
Trilliaceae Lindl. 75
Tropaeolaceae DC. 321
Typhaceae Juss. 75

Ulmaceae Mirbel 321
(Umbelliferae Juss., nom. altern.) = Apiaceae
Urticaceae Juss. 322

(Vacciniaceae S.F.Gray) = Ericaceae
Valerianaceae Batsch 323
Verbenaceae J.St.-Hil. 324
(Viburnaceae Raf.) = Caprifoliaceae
Violaceae Batsch. 324
(Viscaceae Batsch) = Loranthaceae
Vitaceae Juss. 326

Zannichelliaceae Dumort. 76
Zosteraceae Dumort. 76
Zygophyllaceae R.Br. 32

List of genera

- Abelmoschus** Medik. 249
Abies Mill. 10
Abutilon Mill. 249
Acachmena H.P.Fuchs 149
Acalypha L. 201
Acanthoxanthium (DC.) Fourr. 92
Acer L. 76
Aceras R.Br. 39
Acetosa Mill. 263
Acetosella (Meisn.) Fourr. 263
Achillea L. 92
Achnatherum P.Beauv. 46
Achyrophorus Adans. 93
Acinos Mill. 232
Acnida L. 77
Aconitum L. 272
Aconogonon (Meisn.) Rchb. 263
Acorellus Palla 20
Acorus L. 17
Acosta Adans. 93
Acroptilon Cass. 94
Acrostichum L. 4
Actaea L. 273
Actinidia Lindl. 77
Adenophora Fisch. 165
Adenostyles Cass. 94
Adiantum L. 3
Adonanthe Spach 273
Adonis L. 273
Adoxa L. 77
Aegilops L. 46
Aegonychon S.F.Gray 144
Aegopodium L. 79
Aeluropus Trin. 46
Aesculus L. 231
Aethusa L. 79
Agaloma Raf. 201
Agathophytum Moq. 182
Agathysus D.Don 94
Ageratum L. 94
Agrimonia L. 284
Agropyron Gaertn. 47
Agrostemma L. 169
Agrostis L. 48
× **Agrotrygia** Tzvelev 49
Ailanthus Desf. 317
Aira L. 49
Ajuga L. 233
Albersia Kunth 77
Albizia Durazz. 251
Albizzia auct. 251
Alcea L. 249
Alchemilla L. 284
Aldrovanda L. 199
Alectorolophus Zinn 308
Alisma L. 13
Alkanna Fausch 144
Alliaria Scop. 149
Allionia L. 252
Allium L. 14
Alnus Mill. 143
Alopecurus L. 49
Aloysia Juss. 324
Alsine L. 169
Alsinula Dostál 169
Althaea L. 249
Alyssum L. 149
Amaranthus L. 77
Amberboa (Pers.) Less. 94
Ambrina Spach 182
Ambrosia L. 94
Amelanchier Medik. 286
Ammannia L. 247
Ammi L. 79
Amoria C.Presl 205
Amorpha L. 205
Ampelopsis Michx. 326
Amsinckia Lehm. 144
Amygdalus L. 286
Anacamptis Rich. 309
Anacharis Rich. 31
Anacyclus L. 94
Anagallis L. 269
Anastatica L. 151
Anchusa L. 144
Andrachne L. 201
Andromeda L. 200
Andropogon L. 49
Androsace L. 270
Anemonastrum Holub 274
Anemone L. 274
Anemonoides Mill. 274
Anethum L. 79
Ancurolepidium Nevski 49

Angelica L. 79
Anisantha K.Koch 49
Anisum Hill 80
Anoda Cav. 249
Anogramma Link 6
Anredera Juss. 142
Antennaria Gaertn. 94
Anthemis L. 94
Anthericum L. 18
Anthoxanthum L. 49
Anthriscus Pers. 80
Anthyllis L. 206
Antirrhinum L. 308
Antitoxicum Pobed. 90
Apargia Scop. 95
Apera Adans. 49
Aphanes L. 286
Apium L. 80
Apoecynum L. 89
Aposeris Less. 95
Aquilegia L. 274
Arabidopsis Heynh. 151
Arabis L. 151
Arachis L. 206
Arbutus L. 206
Arceuthobium M.Bieb. 247
Archangelica Wolf 80
Arctium L. 95
Arctostaphylos Adans. 200
Arctous Nied. 200
Aremonia Neck. ex Nestl. 286
Arenaria L. 169
Argusia Boehm. 145
Argyranthemum Webb 95
Argyrolobium Eckl. & Zeyh. 206
Aristolochia L. 90
Armeniaca Mill. 286
Armeria Willd. 245
Armoracia P.Gaert n., B.Mey. & Scherb. 152
Arnica L. 96
Arnoseric Gaertn. 96
Aronia Medik. 286
Arrhenatherum P.Beauv. 50
Artemisia L. 96
Arum L. 17
Aruncus Schaeff. 287
Arundo L. 50
Asarum L. 90
Asclepias L. 91

Asparagus L. 18
Asperugo L. 145
Asperula L. 299
Asphodeline Rchb. 18
Asplenium L. 3
Aster L. 97
Asterolinon Hoffmanns. & Link 270
Astilbe Buch.-Ham. ex G.Don 307
Astracantha Podlech 206
Astragalus L. 206
Astrantia L. 80
Astrodaucus Drude 80
Asyneuma Griseb. & Schenck 165
Athyrium Roth 4
Atragene L. 274
Atraphaxis L. 263
Atriplex L. 182
Atropa L. 317
Atropis Rupr. 50
Aurinia Desv. 152
Avena L. 50
Avenastrum Opiz 50
Avenella Parl. 51
Avenochloa Holub 51
Avenula (Dumort.) Dumort. 51
Azalea L. 200
Azolla Lam. 4

Ballota L. 233
Balsamina DC. 142
Balsamita Mill. 98
Bambusa Schreb. 51
Barbarea R.Br. 52
Barkhausia Moench 98
Bartsia L. 308
Bassia All. 183
Batrachium (DC.) S.F.Gray 274
Beckmannia Host 51
Bellardiochloa Chiov. 51
Bellevalia Lapeyr. 29
Bellidastrum Scop. 99
Bellis L. 99
Berberis L. 142
Bergenia Moench 307
Berteroa DC. 152
Berula Besser & W.D.J.Koch 80
Beta L. 183
Betonica L. 233
Betula L. 143

Bidens L. 99
Bifora Hoffm. 80
Bignonia L. 144
Bilderdykia Dumort. 263
Biota (D.Don) Endl. 8
Biscutella L. 152
Bistorta Mill. 263
Bituminaria Heist. ex Fabr. 208
Blackstonia Huds. 226
Blechnum L. 5
Blitum L. 183
Blysmus Panz. ex Schult. 20
Bolboschoenus (Asch.) Palla 20
Bombycilaena (DC.) Smoljan. 99
Borago L. 145
Bothriochloa Kuntze 51
Botrychium Sw. 6
Botrypus Michx. 6
Boussingaultia Kunth 142
Brachyactis Ledeb. 99
Brachypodium P.Beauv. 51
Brassica L. 152
Brevipodium A.Löve & D.Löve 51
Briza L. 52
Brizochloa V.Jirásek & Chrtek 52
Bromopsis (Dumort.) Fourr. 52
Bromus L. 52
Broussonetia L'Her. ex Vent. 251
Bruckenthalia Rehb. 200
Bryonia L. 195
Bucephalophora Pau 263
Buddleja L. 164
Bufonia L. 169
Buglossoides Moench 145
Bulbocodium L. 38
Bunias L. 153
Bunium L. 80
Buphtalmum L. 99
Bupleurum L. 81
Buschia Ovcz. 275
Butomus L. 19
Buxus L. 164

Cachrys L. 81
Caesalpinia L. 164
Cakile Mill. 153
Calamagrostis Adans. 53
Calamintha Mill. 233
Calathiana Delarbre 226

Calcitrapa Heist. ex Fabr. 99
Caldesia Parl. 13
Calendula L. 99
Calepina Adans. 153
Calestania Koso-Pol. 81
Calla L. 17
Callianthemum C.A.Mey. 275
Callistephus Cass. 99
Callitriche L. 165
Calluna Salisb. 200
Calocedrus Kurz 8
Calophaca Fisch. ex DC. 208
Caltha L. 275
Calystegia R.Br. 191
Camelina Crantz 153
Campanula L. 165
Camphorosma L. 183
Campsis Lour. 144
Canna L. 19
Cannabis L. 167
Capparis L. 167
Caprea Opiz 304
Caprifolium auct. 168
Capsella Medik. 153
Capsicum L. 317
Caragana Fabr. 208
Cardamine L. 153
Cardaminopsis (C.A.Mey.) Hayek 153
Cardaria Desv. 154
Carduus L. 99
Carex L. 20
Carlina L. 101
Caroxylon Thunb. 183
Carpesium L. 101
Carpinus L. 193
Carthamus L. 101
Carum L. 81
Carya Nutt. 232
Cassia L. 164
Castanea Mill. 224
Catabrosa P.Beauv. 54
Catalpa Scop. 144
Catapodium auct. 54
Cathartolinum Rehb. 246
Caucalis L. 81
Caulinia Willd. 39
Ceanothus L. 284
Cedrus Mill. 10
Celastrus L. 181

Celosia L. 78
Celsia L. 308
Celtis L. 321
Cenchrus L. 54
Cenolophium W.D.J.Koch ex DC. 82
Centaurea L. 101
Centaurium Hill. 226
Centranthus Lam. & DC. 323
Centunculus L. 270
Cephalanthera Rich. 39
Cephalaria Schrad. ex Roem. & Schult. 197
Cephalorrhynchus Boiss. 105
Cerastium L. 170
Cerasus Mill. 287
Ceratocarpus L. 183
Ceratocephala Moench 275
Ceratocephalus auct. 275
Ceratochloa P.Beauv. 54
Ceratoides Gagnebin 183
Ceratophyllum L. 181
Ceratostigma Bunge 262
Cercis L. 164
Cerinthe L. 145
Ceterach Willd. 4
Chaenomeles Lindl. 287
Chaenorrhinum (DC.) Rehb. 308
Chaerophyllum L. 82
Chaiturus Willd. 234
Chamaecyparis Spach 8
Chamaecytisus Link 209
Chamaedaphne Moench 200
Chamaemelum Mill. 105
Chamaenerion Spach 254
Chamaepitys Hill 234
Chamaeplium Wallr. 155
Chamaecrops L. 18
Chamaespartium Adans. 210
Chamaesyce S.F.Gray 201
Chamerion (Raf.) Raf. 254
Chamomilla S.F.Gray 105
Chartolepis Cass. 105
Cheilanthes Sw. 7
Cheiranthus L. 155
Chelidonium L. 258
Chenopodium L. 184
Chimaphila Pursh 271
Chimonobambusa Makino 54
Chionanthus L. 252
Chlorocyperus Rikli 25
Chondrilla L. 105
Chorispora R.Br. ex DC. 155
Chrozophora Neck. ex Juss. 202
Chrysaspis Desv. 210
Chrysanthemum L. 105
Chrysolarix H.E.Moore 10
Chrysopogon Trin. 54
Chrysosplenium L. 307
Cicer L. 210
Cicerbita Wallr. 106
Cichorium L. 106
Cicuta L. 82
Cimicifuga L. 275
Circaea L. 254
Cirsium Mill. 106
Cissus L. 326
Cistus L. 189
Citrullus Schrad. ex Eckl. & Zeyh. 195
Citrus L. 304
Cladium P.Browne 25
Cladrastis Raf. 210
Clarkia Pursh 254
Clausia Korn.-Trotzky 155
Cleistogenes Keng 54
Clematis L. 275
Cleome L. 167
Clerodendrum L. 324
Climacoptera Botsch. 186
Clinelymus (Griseb.) Nevski 54
Clinopodium L. 234
Clypeola L. 155
Cnicus L. 107
Cnidium Cusson ex Juss. 82
Coccyganthe (Rehb.) Rehb. 171
Cochlearia L. 155
Coeloglossum C.Hartm. 40
Colchicum L. 38
Coleogeton D.H.Les & R.R.Haynes 73
Coleostephus Cass. 107
Colobium Holub 107
Colutea L. 210
Colymbada Hill 107
Comarum L. 287
Commelina L. 19
Comperia K.Koch 40
Conioselinum Hoffm. 82
Conium L. 82
Conringia Adans. 155
Consolida (DC.) S.F.Gray 276

Convallaria L. 19
Convolvulus L. 191
Conyza L. 107
Conyzanthus Tamamsch.
Corallorhiza Châtel. 40
Coreopsis L. 108
Coriandrum L. 82
Corispermum L. 186
Cornus L. 192
Coronaria Guett. 171
Coronilla L. 210
Coronopus Zinn 155
Corothismus (W.D.J.Koch) C.Presl 211
Cortaderia Stapf 55
Cortusa L. 270
Corydalis DC. 225
Corylus L. 193
Corynephorus P.Beauv. 55
Cosmos Cav. 108
Cota J.Gay ex Guss. 108
Cotinus Mill. 79
Cotoneaster Medik. 287
Crambe L. 156
Crassula L. 193
Crataegus L. 287
Crepis L. 108
Crimaea Vass. 211
Crinitaria Cass. 109
Crinitina Soják 109
Crithmum L. 82
Crocus L. 31
Crotalaria L. 211
Croton L. 202
Crucianella L. 300
Cruciata Mill. 300
Crupina (Pers.) DC. 109
Crypsis Aiton 55
Cryptomeria D.Don 13
Cucubalus L. 171
Cucumis L. 195
Cucurbita L. 195
Cupressus L. 8
Cuscuta L. 196
Cuviera Koeler 55
Cyanus Mill. 109
Cyclachaena Fresen ex Schldl. 109
Cyclamen L. 270
Cydonia Mill. 288
Cylindropyrum (Jaub. & Spach) A.Löve 55
Cymbalaria Hill 308
Cymbosasma (Endl.) Klokov & Zoz 308
Cynanchum L. 91
Cynara L. 109
Cynodon Rich. 55
Cynoglossum L. 145
Cynosurus L. 55
Cynoxyloa (Raf.) Raf. 192
Cyperus L. 25
Cypripedium L. 40
Cystopteris Bernh. 4
Cytisophyllum Lang 211
Cytisus L. 211

Dactylis L. 55
Dactylorchis (Klinge) Verm. 40
Dactylorhiza Neck. ex Nevski 40
Dahlia Cav. 109
Dalanum Dostál 234
Damasonium Mill. 14
Danaa All. 82
Danthonia DC. 55
Daphne L. 320
Dasypyrum (Coss. & Durieu) T.Durand 55
Dasystephana Adans. 227
Datura L. 317
Daucus L. 82
Delphinium L. 286
Dendranthema (DC.) Des Moul. 109
Dentaria L. 156
Deschampsia P.Beauv. 55
Descurainia Webb & Berthel. 156
Deutzia Thunb. 231
Dianthus L. 171
Dicentra Bernh. 225
Dichantheium (A.S.Hitchc. & Chase) Gould 55
Dichodon Bartl. ex Rehb. 173
Dichostylis P.Beauv. 25
Dictamnus L. 304
Diervilla Mill. 168
Digitalis L. 308
Digitaria Haller 56
Digraphis Trin. 56
Dimorphotheca Moench 109
Diospyros L. 199
Diphasiastrum Holub 1
Diphasium C.Presl ex Rothm. 1
Diphelypaea Nicolson 256
Diplachne P.Beauv. 56

Diplotaxis DC. 156
Dipsacella Opiz. 197
Dipsacus L. 197
Dodartia L. 308
Dolichos L. 211
Doronicum L. 109
Dorycnium Mill. 211
Draba L. 156
Dracocephalum L. 234
Drosera L. 199
Dryas L. 288
Dryopteris Adans. 5
Duschekia Opiz. 144
Duchesnea Sm. 288
Duvaljouvea Palla 25

Ecballium A.Rich. 196
Echinacea Moench 110
Echinaria Desf. 56
Echinochloa P.Beauv. 56
Echinocystis Torr. & A.Gray 196
Echinophora L. 83
Echinops L. 110
Echinopsilon Moq. 187
Echium L. 145
Egeria Planch. 31
Elaeagnus L. 199
Elaeosticta Fenzl 83
Elatine L. 199
Eleocharis R.Br. 25
Eleusine Gaertn. 57
Elisanthe (Fenzl) Rehb. 173
Elodea Michx. 31
Elsholtzia Willd. 234
Elymus L. 57
Elytrigia Desv. 57
Empetrum L. 200
Ephedra L. 9
Epilobium L. 254
Epipactis Zinn 41
Epipogium R.Br. 42
Equisetum L. 2
Eragrostis Wolf 58
Erechtites Raf. 110
Eremogone Fenzl 173
Eremopyrum (Ledeb.) Jaub. & Spach 59
Eremosparton Fisch. & C.A.Mey. 211
Eremurus M.Bieb. 19
Ericoila Borkh. 227

Erigeron L. 110
Eriobotrya Lindl. 288
Eriochloa Kunth 59
Eriophorum L. 26
Eriosynaphe DC. 83
Eritrichium Schrad. ex Gaudin 146
Erodium L'Her. 228
Erophila DC. 157
Eruca Mill. 157
Erucastrum C.Presl 157
Eryngium L. 83
Erysimum L. 157
Erythronium L. 36
Eschscholzia Cham. 259
Euclidium R.Br. 158
Eucommia Oliver 201
Euonymus L. 181
Eupatorium L. 111
Euphorbia L. 202
Euphrasia L. 308
Eurotia Adans. 187
Euxolus Raf. 79
Exochorda Lindl. 288

Faba Mill. 211
Fagopyrum Mill. 263
Fagus L. 224
Falcaria Fabr. 83
Fallopia Adans. 264
Fedtschenkoa Regel & Schmalh. 158
Ferula L. 83
Ferulago W.D.J.Koch 83
Festuca L. 59
Fibigia Medik. 158
Ficaria Schaeff. 277
Ficus L. 251
Filaginella Opiz. 111
Filago L. 111
Filipendula Mill. 289
Fimbristylis Vahl 26
Flueggea Willd. 204
Foeniculum Mill. 83
Fontanesia Labill. 252
Forsythia Vahl 252
Fragaria L. 289
Frangula Mill. 284
Frankenia L. 225
Fraxinus L. 253
Fritillaria L. 36

Fumana (Dunal) Spach 189
Fumanopsis Pomel 189
Fumaria L. 225
Funkia Spreng. 29

Gagea Salisb. 36
Gaillardia Foug. 111
Galanthus L. 16
Galatella Cass. 111
Galega L. 212
Galeobdolon Huds. 234
Galeopsis L. 234
Galinoga Ruiz & Pav. 111
Galium L. 301
Garidella L. 277
Gasparrinia Bertol. 83
Gaudinia Beauv. 60
Gaudinopsis (Boiss.) Eig 60
Genista L. 212
Genistella Ortega 212
Gentiana L. 227
Gentianella Moench 228
Gentianopsis Ma Yu-Chuan 228
Geranium L. 228
Geropogon L. 111
Geum L. 289
Ginkgo L. 10
Gladiolus L. 32
Glaucium Mill. 259
Glaux L. 270
Glechoma L. 234
Gleditschia auct. 165
Gleditsia L. 164
Glinus L. 251
Globularia L. 229
Glyceria R.Br. 60
Glycine Willd. 212
Glycyrrhiza L. 213
Gnaphalium L. 111
Godetia Spach 255
Goebelia Bunge ex Boiss. 213
Goldbachia DC. 158
Goniolimon Boiss. 245
Gomphrena L. 79
Goodyera R.Br. 42
Gossypium L. 249
Grammica Lour. 197
Gratiola L. 309
Grindelia Willd. 112

Grossularia Mill. 229
Guilandina L. 165
Guizotia Cass. 112
Gymnadenia R.Br. 42
Gymnocarpium Newman 5
Gymnocladus Lam. 165
Gymnospermium Spach 142
Gypsophila L. 173

Hackelia Opiz 146
Halimione Aellen 187
Halimodendron Fisch. ex DC. 213
Halocnemum M.Bieb. 187
Hamamelis L. 230
Hammarbya Kuntze 42
Haplophyllum A.Juss. 304
Haynaldia Schur 61
Hedera L. 90
Hedynois Mill. 112
Hedysarum L. 213
Heleocharis auct. 25
Heleochoa Host ex Roem. 61
Helianthemum Mill. 189
Helianthus L. 112
Helichrysum Mill. 112
Helictotrichon Besser 61
Heliopsis Pers. 113
Heliosperma (Rehb.) Rehb. 174
Heliotropium L. 146
Helleborus L. 277
Helminthia Juss. 113
Helminthoteca Zinn 113
Hemerocallis L. 28
Hepatica Mill. 277
Heracleum L. 83
Herminium R.Br. 42
Herniaria L. 174
Hesperis L. 158
Hibiscus L. 249
Hicoria Raf. 232
Hieracium L. 113
Hierochloë R.Br. 61
Himantoglossum W.D.J.Koch 42
Hippochoa J.Milde 3
Hippocrepis L. 213
Hippophaë L. 199
Hippuris L. 231
Hirschfeldia Moench 158
Hofcus L. 61

Holoschoenus Link 26
Holosteum L. 174
Homogyne Cass. 122
Hordelymus (Jess.) Jess. ex Harz 61
Hordeum L. 61
Hornungia Rehb. 159
Hosta Tratt. 29
Hottonia L. 270
Humulopsis Grudz. 167
Humulus L. 167
Huperzia Bernh. 2
Hutchinsia R.Br. 159
Hyacinthella Schur 29
Hyacinthus L. 29
Hydrangea L. 231
Hydrocharis L. 31
Hydrocotyle L. 84
Hylotelephium Ohba 193
Hymenobolus Nutt. ex Torr. & A Gray 159
Hyoscyamus L. 317
Hypocoum L. 231
Hypericum L. 190
Hypochaeris L. 122
Hypochoeris auct. 122
Hypopitys Hill 251
Hyssopus L. 234

Iberis L. 159
Hex L. 90
Impatiens L. 142
Inula L. 122
Ioxylon Raf. 251
Ipomoea L. 192
Iris L. 32
Isatis L. 159
Isnardia L. 255
Isoetes L. 2
Isopyrum L. 277
Iva L. 122
Ixoca Raf. 174

Jacea Mill. 122
Jasione L. 167
Jasminum L. 253
Jovibarba Opiz 193
Juglans L. 232
Juncellus (Griseb) C.B. Clarke 26
Juncus L. 32
Juniperus L. 8
Jurinea Cass. 123

Kadenia Lavrova & V.N. Tichomirov 84
Kengia Packer 62
Kerria DC. 289
Kickxia Dumort. 309
Kitaibelia Willd. 249
Knautia L. 197
Kochia Roth 187
Koeleria Pers. 62
Koelipinia Pall. 123
Koelreuteria Laxm. 307
Kohlrauschia Kunth 174
Kolomikta Regel 77
Konig Adans. 159
Krascheninnikovia Gueldenst. 187

Lablab Adans. 213
Laburnum Medik. 213
Lactuca L. 123
Lagedium Soják 124
Lagenaria Scr. 196
Lagerstroemia L. 247
Lagoecia L. 84
Lagoseris M.Bieb. 124
Lallemantia Fisch. & C.A. Mey. 234
Lamiastrum Heist. ex Fabr. 235
Lamiopsis Opiz 235
Lamium L. 235
Lamyra (Cass.) Cass. 124
Laphangium (Hill & Burt) Tzvelev 124
Lappula Moench 146
Lapsana L. 124
Larix Mill. 10
Laser Borkh. 84
Laserpitium L. 84
Lasiagrostis Link 63
Lastrea Bory 8
Lathraea L. 309
Lathyrus L. 213
Laurocerasus M. Roem. 289
Laurus L. 244
Lavandula L. 235
Lavatera L. 250
Layia Hook. & Arn. ex DC. 124
Leavenworthia Torr. 159
Ledum L. 200
Leersia Sw. 63
Legousia Durande 167
Lembotropis Griseb. 214
Lemna L. 35

Lens Mill. 214
Leontice L. 143
Leontodon L. 124
Leontopodium (Pers.) R.Br. ex Cass. 125
Leonurus L. 235
Leopoldia Parl. 29
Lepadena Raf. 204
Lepidium L. 159
Lepidotheca Nutt. 125
Lepidotis P.Beauv. ex Mirb. 1
Lepturus R.Br. 63
Lerchenfeldia Schur 63
Lespedeza Michx. 214
Leucanthemella Tzvelev 125
Leucanthemopsis (Giroux) Heywood 125
Leucanthemum Mill. 126
Leucojum L. 16
Leucorchis E.Mey. 42
Leuzea DC. 126
Levisticum Hill 84
Leymus Hochst. 63
Libanotis Zinn 84
Libocedrus Endl. 9
Ligularia Cass. 126
Ligusticum L. 85
Ligustrina Rupr. 253
Ligustrum L. 253
Lilium L. 37
Limodorum Boehm. 43
Limonium Mill. 245
Limosella L. 310
Linaria Hill 310
Lindernia All. 310
Linnaea L. 168
Linomyris Cass. 126
Linum L. 246
Liparis Rich. 43
Liquidambar L. 230
Liriodendron L. 248
Listera R.Br. 43
Lithospermum L. 146
Lloydia Rehb. 37
Lobelia L. 247
Lobularia Desv. 160
Logfia Cass. 126
Loiseleuria Desv. 200
Lolium L. 63
Lomelosia Raf. 198
Lonicera L. 168
Lophochloa Rehb. 63
Loranthus Jacq. 247
Lotus L. 215
Ludwigia L. 255
Luffa Mill. 196
Lunaria L. 160
Lupinaster Fabr. 215
Lupinus L. 215
Luzula DC. 34
Lychnis L. 174
Lycium L. 317
Lycopersicon Mill. 318
Lycopodiella Holab 1
Lycopodioides Boehm. 2
Lycopodium L. 1
Lycopsis L. 146
Lycopus L. 236
Lysimachia L. 270
Lythrum L. 248
Maaekia Maxim. & Rupr. 215
Maclura Nutt. 251
Macrosyringion Rothm. 310
Madia Molina 126
Magnolia L. 248
Mahonia Nutt. 143
Maianthemum Weber 19
Majorana Mill. 236
Malabaila Hoffm. 85
Malachium Fr. 174
Malaxis Sol. ex Sw. 43
Malcolmia R.Br. 160
Malope L. 250
Malus Mill. 289
Malva L. 250
Malvella Jaub. & Spach 250
Mariscus Vahl 27
Marrubium L. 236
Marsilea L. 6
Martynia L. 250
Matricaria L. 126
Matteuccia Tod. 6
Matthiola R.Br. 160
Medicago L. 215
Melampyrum L. 310
Melandrium Roehl. 175
Melia L. 250
Melica L. 63
Melilotoides Heist. ex Fabr. 216

Melilotus L. 216
Melissa L. 236
Melissitus Medik. 217
Mellisitus, sphalm. 217
Melittis L. 236
Melo Mill. 196
Meniochus Desv. 161
Mentha L. 236
Menyanthes L. 251
Mercurialis L. 204
Mespilus L. 290
Messerschmidia L. 146
Metasequoia Miki ex Hu & W.C.Cheng 13
Meum Mill. 85
Micromeria Benth. 237
Micropus L. 127
Microrrhinum (Endl.) Fourr. 311
Microstylis (Nutt.) Eaton 43
Microthlaspi F.K.Mey. 161
Middendorfia Trautv. 248
Milium L. 64
Mimulus L. 311
Minuartia L. 175
Mirabilis L. 252
Mirmau Adans. 2
Misopates Raf. 311
Moehringia L. 176
Molineriella Rouy 64
Molinia Schrank 64
Mollugo L. 251
Moltkia Lehm. 147
Molucella L. 237
Momordica L. 196
Monerma P.Beauv. 64
Moneses Salisb. 271
Monochoria C.Presl 73
Monogynella Des Moul. 197
Monotropa L. 251
Morus L. 251
Mulgedium Cass. 127
Muscari Mill. 29
Mutellina Wolf 85
Myagrum L. 161
Mycelis Cass. 127
Myosotis L. 147
Myosoton Moench 176
Myosurus L. 277
Myricaria Desv. 319
Myriophyllum L. 230

Myrrhis Mill. 85
Myrtus L. 251
Najas L. 39
Narcissus L. 17
Nardurus (Bluff, Nees & Schauer) Rchb. 64
Nardus L. 64
Nasturtium R.Br. 161
Naumburgia Moench 270
Neatostema Johnst. 147
Nectaroscordum Lindl. 16
Negundo Boehm. 77
Nelumbium Juss. 252
Nelumbo Hill 252
Neobotrydium Moldenke 187
Neotorularia Hedge & J.L. Leonard 161
Neottia Guett. 43
Neottianthe (Rchb.) Schlechter 43
Nepeta L. 237
Nerium L. 90
Neslia Desv. 161
Nicandra Adans. 318
Nicotiana L. 318
Nigella L. 277
Nigritella Rich. 43
Nitraria L. 252
Noccaea Moench 161
Nonca Medik. 148
Notholaena R.Br. 7
Nuphar Smith 252
Nymphaea L. 252
Nymphoides Séguier 251
Oberna Adans. 176
Ocimum L. 237
Odontites Ludw. 311
Odontolophus Cass. 127
Oenanthe L. 85
Oenothera L. 255
Ofaiston Raf. 187
Olea L. 253
Omalotheca Cass. 127
Omphalodes Mill. 148
Onagra Mill. 256
Onobrychis Mill. 217
Ononis L. 217
Onopordon, sphalm. 127
Onopordum L. 127
Onosma L. 148

Ophioglossum L. 7
Ophrys L. 43
Opuntia Mill. 164
Orchis L. 44
Oreochloa Link 64
Oreogeu E.Golubk. 290
Oreopteris Holub 8
Origanum L. 237
Orlaya Hoffm. 85
Ornithogalum L. 29
Ornithopus L. 217
Orobanche L. 256
Orob L. 218
Orphantha (Benth.) A.Kern. 311
Orphanthella Rauschert 312
Orthilia Raf. 271
Orthocallis Salisb. 30
Oryza L. 64
Oryzopsis Michx. 65
Osmanthus Lour. 253
Ostericum Hoffm. 85
Ostrya Scop. 193
Otites Adans. 176
Oxalis L. 257
Oxybaphus L'Her. ex Willd. 252
Oxycoccus Hill 200
Oxyria Hill 264
Oxytropis DC. 218

Padellus Vassilez. 290
Padus Mill. 290
Paeonia L. 258
Palimbia Besser 85
Paliurus Mill. 284
Pallenis (Cass.) Cass. 127
Panicum L. 65
Papaver L. 259
Parageum Hara 290
Parapholis C.E.Hubb. 65
Parietaria L. 322
Paris L. 75
Parnassia L. 260
Paronychia Mill. 176
Parrotia C.A.Mey. 231
Parthenium L. 127
Parthenocissus Planch. 326
Pastinaca L. 85
Paspalum L. 65
Paulinia Thunb. 326

Paulownia Siebold & Zucc. 312
Pedicularis L. 312
Peganum L. 260
Pelargonium L'Her. ex Aiton 229
Pennisetum Rich. 65
Pentaphylloides Duchamel 290
Pepalis L. 248
Perilla L. 237
Periploca L. 91
Persica Mill. 291
Persicaria Mill. 264
Petasites Mill. 127
Petrorhagia (Ser. ex DC.) Link 177
Petroselinum Hill 86
Petrosimonia Bunge 187
Petunia Juss. 318
Peucedanum L. 86
Phacelia Juss. 231
Phalacrachena Hjin 128
Phalacrocoma Cass. 128
Phalaris L. 65
Phalaroides Wolf 65
Pharbitis Choisy 192
Phaseolus L. 218
Phegopteris Fée 8
Phelipanche Pomel 257
Phellodendron Rupr. 30
Phelypaea L. 257
Philadelphus L. 231
Phillyrea L. 254
Phlebotomie (Boiss.) Tausch 237
Phleum L. 65
Phlomis L. 237
Phlomoïdes Moench 238
Phlox L. 262
Phoenix L. 18
Pholiurus Trin. 66
Phragmites Adans. 66
Phyllitis Hill 4
Phyllostachys Siebold & Zucc. 66
Physalis L. 318
Physocarpus (Cambess.) Maxim. 290
Physocaulis (DC.) Tausch 86
Physospermum Cusson ex Juss. 86
Phyteuma L. 167
Phytolacca L. 260
Picea A.Dietr. 11
Pienomon Adans. 128
Picris L. 128

Pilosella Hill 128
Pilularia L. 6
Pimpinella L. 86
Pinguicula L. 244
Pinus L. 11
Piptatherum P.Beauv. 66
Pistacia L. 79
Pistia L. 18
Pistolocheia Bernh. 226
Pisum L. 218
Plantago L. 260
Platanthera Rich. 46
Platanus L. 261
Platycladus Spach 9
Pleconax Raf. 177
Pleioblastus Makino 66
Pleuropterus auct. 265
Pleurospermum Hoffm. 87
Poa L. 66
Podospermum DC. 131
Poinsettia Graham 204
Polemonium L. 262
Polycnemum L. 188
Polygala L. 262
Polygonatum Mill. 19
Polygonum L. 265
Polypodium L. 7
Polypogon Desf. 68
Polystichum Roth 6
Poncirus Raf. 304
Populus L. 305
Portulaca L. 269
Potamogeton L. 73
Potentilla L. 290
Poterium L. 292
Prangos Lindl. 87
Prenanthes L. 131
Primula L. 270
Prinsepia Royle 292
Proboscidea Schmidel 250
Prunella L. 238
Prunus L. 292
Psammophiliella Ikonn. 177
Psathyrostachys Nevski 68
Psephellus Cass. 131
Pseudoacacia Borbás 218
Pseudofumaria Medik. 226
Pseudognaphalium Kirp. 131
Pseudolysimachion (W.D.J.Koch) Opiz 312
Pseudopodospermum (Lipsch. & Krasch.)
Kuth. 131
Pseudorchis Seg. 46
Pseudosasa Makino ex Nakai 68
Pseudosiphora (DC.) Sweet 218
Pseudotsuga Carrière 12
Psilonema C.A.Mey. 161
Psilurus Trin. 68
Psoralea L. 219
Psylliostachys (Jaub. & Spach) Nevski 245
Psyllium Mill. 261
Ptarmica Mill. 131
Ptelea L. 304
Pteridium Scop. 5
Pteris L. 7
Pterocarya Kunth 232
Pterocephalus Adans. 198
Pterotheca Cass. 132
Ptilostemon Cass. 132
Puccinellia Parl. 68
Pueraria DC. 219
Pulegium Mill. 238
Pulicaria Gaertn. 132
Pulmonaria L. 148
Pulsatilla Mill. 278
Punica L. 271
Pycreus P.Beauv. 27
Pyracantha M.Roem. 292
Pyrethrum Zinn 132
Pyrola L. 271
Pyrus L. 292

Quercus L. 224
Queria L. 177

Radiola Hill 247
Raimannia Rose 256
Ramischia Opiz ex Gareke 272
Ranula Fourr. 278
Ranunculus L. 278
Raphanus L. 161
Rapistrum Crantz 161
Razoumofskya Hoffm. 247
Reseda L. 283
Reynoutria Houtt. 266
Rhagadiolus Scop. 132
Rhamnus L. 284
Rhaponticum Ludw. 132
Rheum L. 267

Rhinanthus L. 312
 Rhizomatopteris A.P.Khokhr. 4
 Rhodax Spach 190
Rhodiola L. 194
 Rhodococcum Avror. 201
Rhododendron L. 201
Rhus L. 79
Rhynchospora Vahl 27
Ribes L. 229
Ricinus L. 204
Rindera Pall. 149
Robinia L. 219
Rochelia Rehb. 149
 Roegneria K.Koch 68
Roemeria Medik. 259
Rorippa Scop. 161
Rosa L. 292
Rosmarinum L. 238
Rostraria Trin. 69
Rubia L. 304
Rubus L. 296
Rudbeckia L. 132
Rumex L. 267
Rumia Hoffm. 87
Ruppia L. 74
Ruscus L. 74
Ruta L. 304
 Ruyschiana Mill. 238

 Sabina Mill. 9
 Sabinus auct. 9
Sagina L. 177
Sagittaria L. 14
Salicornia L. 188
Salix L. 305
Salpiglossis Ruiz & Pav. 318
Salsola L. 188
Salvia L. 238
Salvinia Seg. 7
Sambucus L. 168
Samolus L. 271
Sanquisorba L. 298
Sanicula L. 87
Santolina L. 133
Sanvitalia Lam. 133
Saponaria L. 177
 Sarcoca Raf. 260
Sarothamnus Wimmer 219
Satureja L. 239

Saussurea DC. 133
Saxifraga L. 307
Scabiosa L. 198
Scandix L. 87
Scariola F.W.Schmidt 133
 Sceptridium Tagawa 7
Scheuchzeria L. 75
Schisandra Michx. 308
Schivereckia Andr. ex DC. 162
 Schoenoplectus Palla. 27
Schoenus L. 27
Scilla L. 30
Scirpoides Seg. 27
Scirpus L. 27
Scleranthus L. 177
Sclerochloa P.Beauv. 69
Scleropoa Griseb. 69
Scolochloa Link 69
 Scolopendrium Sw. 4
Scolymus L. 133
Scopolia Jacq. 318
Scorpiurus L. 219
Scorzonera L. 133
Scrophularia L. 313
Scutellaria L. 239
Secale L. 69
Securigera DC. 219
 Securinega Comm. ex Juss. 204
Sedum L. 194
 Selaginella P.Beauv. 2
Selinum L. 87
 Sempervivum L. 195
Senecio L. 134
Senna Mill. 165
 Sequoia Endl. 13
 Sequoiadendron Buchholz 13
Serratula L. 135
Sesamum L. 260
Sesbania Scop. 219
Seseli L. 87
Sesleria Scop. 69
Setaria P.Beauv. 69
Shepherdia Nutt. 199
Sherardia L. 304
Sicyos L. 196
Sida L. 250
Sideritis L. 240
Sieglingia Bernh. 70
 Siella M.Pinen. 88

Sieversia Willd. 298
Sigesbeckia L. 136
Silaum Mill. 88
Silaus Bernh. 88
Silene L. 177
Silphium L. 136
Silybum Adans. 136
Sinapis L. 162
Sinarundinaria Nakai 70
Sisymbrium L. 162
Sisyrrinchium L. 33
Sium L. 88
Smyrniolum L. 88
Sobolewsia M.Bieb. 163
 Soja auct. 219
Solanum L. 318
Soldanella L. 271
Solenanthus Ledeb. 149
Solidago L. 136
Sonchus L. 136
Sophora L. 219
Sorbaria (Ser. ex DC.) A Braun 298
Sorbus L. 298
Sorghum Moench 70
Sparganium L. 75
Spartium L. 220
Spathulata (Boriss.) A.Löve & D.Löve 195
Spergula L. 179
Spergularia (Pers.) J.Presl & C.Presl 180
Spinacia L. 188
Spiraea L. 298
Spiranthes Rich. 46
Spirodela Schleid. 35
Stachys L. 240
Staphylea L. 319
Statice L. 246
Stellaria L. 180
Stenactis Cass. 137
Steris Adans. 180
Sternbergia Waldst. & Kit. 17
Steveniella Schlechter 46
Stipa L. 70
Stratiotes L. 31
Streptopus Michx. 20
Strigosella Boiss. 163
Strophostoma Turcz. 149
Steptorhamphus Bunge 137
Struthiopteris Willd. 6
Styphnolobium Schott ex Endl. 220
Suaeda Forssk. 189
Subularia L. 163
Succisa Neck. 198
Succisella Beck 198
Swertia L. 228
Swida Opiz 192
Symphoricarpos Juss. 168
Symphytum L. 149
Syrenia Andrz. ex Besser 163
Syringa L. 254

Taeniatherum Nevski 72
Taeniopetalum Vis. 88
Tagetes L. 137
Tamarix L. 319
Tamus L. 28
Tanacetum L. 137
Taraxacum Weber 137
Taxodium Rich. 13
Taxus L. 12
Teesdalia R.Br. 163
Telekia Baumg. 139
Telmatophaea Schleid. 35
Teloxys Moq. 189
Tephroses (Rchb.) Rchb. 139
Tetradiclis Steven 327
Tetragonolobus Scop. 220
Teucrium L. 241
Thalictrum L. 283
Thea L. 319
Theligonum L. 320
Thelycrania (Dumort.) Fourr. 192
Thelypteris Schmidel 8
Thesium L. 306
Thladiantha Bunge 196
Thlaspi L. 163
Thrinicia Roth 139
Thuja L. 9
Thujopsis Siebold & Zucc. ex Endl. 9
Thymelaea Mill. 320
Thymus L. 242
Thyselium Raf. 88
Tilia L. 320
Tillaea L. 195
Tithymalus P.Gaertn. 204
Tofieldia Huds. 39
Tordylium L. 89
Torilis Adans. 89
Forularia O.E.Schulz 164

Torulinium Desv. 28
Tournefortia L. 149
Toxicodendron Mill. 79
Tozzia L. 314
Trachomitum Woodson 90
Trachycarpus H.Wendl. 18
Trachynia Link 72
Tradescantia L. 19
Tragacantha Mill. 220
Tragopogon L. 139
Tragus L. 72
Trapa L. 321
Traunsteinera Rehb.f. 46
Tribulus L. 327
Trichera Schrad. 198
Trientalis L. 271
Trifolium L. 220
Triglochin L. 35
Trigonella L. 221
Trinia Hoffm. 89
Tripleurospermum Sch.Bip. 141
Trisetaria Forssk. 72
Tripolium Nees 141
Trisetum Pers. 72
Triticum L. 72
Trochocephalus A.Löve & D.Löve 198
Trollius L. 283
Trommsdorffia Bernh. 141
Tropaeolum L. 321
Tsuga Carrière 12
Tulipa L. 37
Tulipifera Mill. 249
Tunica Mert. & W.D.J.Koch 180
Turgenia Hoffm. 89
Turritis L. 164
Tussilago L. 141
Typha L. 75
Typhoides Moench 72

Ulex L. 222
Ulmus L. 321
Urostachys (E.Pritz.) Herter 2
Urtica L. 322
Utricularia L. 244
Uva-ursi auct. 201

Vaccaria Wolf 180
Vaccinium L. 201
Valeriana L. 323

Valerianella Mill. 323
Vallisneria L. 31
Velezia L. 181
Ventenata Koeler 72
Veratrum L. 39
Verbascum L. 314
Verbena L. 324
Verbesina L. 141
Veronica L. 315
Vexibia Raf. 222
Viburnum L. 168
Vicia L. 222
Vigna Sav. 223
Vinca L. 90
Vincetoxicum Wolf 91
Viola L. 324
Virga Hill 198
Viscaria Bernh. 181
Viscum L. 247
Vitex L. 324
Vitis L. 327
Vulpia C.C.Gmel. 72

Waldsteinia Willd. 299
Weigela Thunb. 168
Wisteria Nutt. 223
Wolffia Horkel ex Schleid. 35
Woodsia R.Br. 4

Xanthium L. 141
Xanthobrychis Galushko 223
Xanthoceras Bunge 307
Xanthoxylum Schur 89
Xanthoxalis Small 258
Xeranthemum L. 141
Xerochrysum Tzvelev 141
Xeroloma Cass. 142
Ximenesia Cav. 142

Yucca L. 13

Zacintha 142
Zannichellia L. 76
Zea L. 72
Zelkova Spach 322
Zerna Panz. 73
Zingiber P.A.Smirn. 73
Zinnia L. 142
Zizania L. 73
Ziziphora L. 244
Ziziphus Mill. 284
Zostera L. 76
Zygophyllum L. 327

Підп. до друку 10.11.99. Формат 70·108/16. Папір офсетний. Друк офсетний.
Ум. друк. арк. 28.0. Обл. вид. арк. 12.34. Тираж 300. Зам. 283.

Спеціалізована друкарня наукових журналів НАН України
252004, Київ-4, вул. Терещенківська, 4.