



## Bioecology and hemeroby of flora species in the Northern Steppe Dnipro Region

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### Article info

Received 02.10.2023

Received in revised form  
12.11.2023

Accepted 28.11.2023

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**Baranovski, B. A., Karmyzova, L. A., Dubyna, D. V., & Shevera, M. V. (2023). Bioecology and hemeroby of flora species in the Northern Steppe Dnipro Region. *Biosystems Diversity*, 31(4), 548–577. doi:10.15421/012365**

The information is summarized and an annotated summary of vascular plants of the flora in the Northern Steppe Dnipro Region is represented based on the materials of previous works and on our own more than 40-years research. Bioecological characteristics of the flora species within the studied region were compiled according to the Belgard ecomorph system. For the first time, the paper presented hemerobia of species for the flora in the Northern Steppe Dnipro Region. The current occurrence categories of the plant species in the studied regional flora were given, which allows us to compare changes in their abundance within a territory studied. The occurrence categories and species hemerobicity were established. Rare and endangered vascular plant species were identified using the Red Book of Dnipropetrovsk region, the Red Book of Ukraine, and the European and World Red Lists. Adventive and invasive flora species were noted. A number of vascular plant species new for the region, not previously observed, have been identified. The major families in the studied flora were: Asteraceae, Poaceae, Brassicaceae, Fabaceae, Lamiaceae, Rosaceae, Caryophyllaceae, Scrophulariaceae, Ranunculaceae, Apiaceae, Boraginaceae. As a result of the study, the vascular plant flora in the Northern Steppe Dnipro Region was found to be characterized by significant systematic and bioecological diversity, and a high degree of rarity. It consists of 1,895 species, including 432 rare ones. At the same time, it was characterized by a fairly high degree of adventization, which indicates the modernization of the flora. A significant number of ruderal species, or species that are prone to ruderalization (619 species), and a large number of adventive species (357 species) indicates a significant anthropogenic transformation of the vegetation cover in the region. The paper presents a summary of the vascular plant flora with bioecological characteristics of the species. A detailed analysis of the flora will be presented in a further separate publication.

**Keywords:** phytodiversity; bioecological characteristics; rarity; adventization; invasive species; anthropogenic transformation; ecosystems.

### Introduction

The flora (ecomorphs of species) of any territory reflects its physical and geographical characteristics, the degree of anthropogenic transformation, and the cultural state of landscapes (hemerobia of species). Recently, the assessment of landscape hemerobicity determined by the hemerobicity of vascular plant species has become increasingly interesting as the most stable unit of ecosystems (Blume & Sukopp, 1976; Kowarik, 1988; Hill et al., 2002).

This article presents a summary of the flora (database) of vascular plants in the Northern Steppe Dnipro region (Fig. 1). Firstly, the area is located in the central part of the Northern subzone in the Steppe zone of Ukraine. Secondly, the Northern Steppe Dnipro region occupies a significant part of the Steppe zone area in Ukraine. Thirdly, here the valley of the largest river in Ukraine is situated, which has a large phytodiversity inherent in valley landscapes (Schindler et al., 2016). Therefore, the Northern Steppe Dnipro region represents the main features of vegetation in the Northern Steppe zone of Ukraine.

The initial fundamental work that reflects the earliest information about the flora of the region was I. Y. Akiniev's paper "Vegetation of Ekaterinoslav at the end of the first century of its existence" (1889). It provided a vascular plant list of the Ekaterinoslav city and the surrounding area with data on the distribution by habitats and categories of species occurrence. Subsequently, the flora of the analyzed region was the object of special research by numerous botanists in the late 19th – first half of the 20th century (Akiniev, 1889; Sidorov, 1897; Grossheim, 1948; Belgard, 1950); the second half of the 20th century (Alekseev et al., 1986; Tarasov et al., 1988) and the beginning of the 21st century (Baranovsky, 2000; Kucherevsky, 2004; Tarasov, 2012; Karmyzova & Baranovsky, 2020).

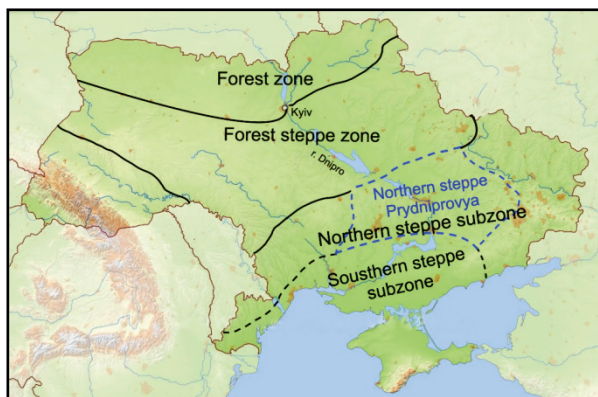
In this paper, information on the flora in the Northern Steppe Dnipro region was summarized for the first time based on the analysis of materials from previous publications, including those of the original author. The species diversity of the regional flora is established. In the first stage of the study, an annotated summary of vascular plants of the flora in the studied region was prepared; it serves as the base for preparing the further reviews, analytical publications and monitoring studies. Bioecological characteristics of the regional flora species were compiled. For the first time, the species hemerobia was assessed for the studied regional flora and the categories of their occurrence were given. Rare and endangered plant species were identified from the regional list of the Dnipropetrovsk region, the Red Book of Ukraine, the European and World Red Lists (432 species), which indicates a high degree of rarity. Adventive and invasive species were identified. At the same time, the studied flora was characterized by a fairly high degree of adventization (357 species), in particular kenophytization, which evidenced the modernization of the regional flora and a significant anthropogenic transformation of the vegetation cover within the region.

### Methodology of bioecological characteristics and hemeroby of species

The object of the survey was the flora in the Northern Steppe Dnipro region (Fig. 1). The region is located in the central part of the Northern subzone of the Steppe zone of Ukraine and occupies a significant part of the Steppe zone area in Ukraine, in which the valley of the Dnipro River (the largest river in Ukraine) is located. Therefore, the region represents the main features of the flora and vegetation in the Northern Steppe zone of the country.

The work is based on the results of floral studies conducted by the authors in 1980–2023. The article analyzes literature data information

obtained from electronic databases (iNaturalist), herbariums of the M. G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine (KW), Oles Honchar Dnipro National University (DSU) and Kryvyi Rig Botanical Garden, National Academy of Sciences of Ukraine. The study was conducted according to approaches and methods generally accepted in comparative florology. The species nomenclature and their authors were listed under “Vascular plants of Ukraine...” (Mosyakin & Fedoronchuk, 1999).



**Fig. 1.** Territory of the Northern Steppe Dnipro Region on the map of Ukraine

The analyzed synopsis of the flora in the Northern Steppe Dnipro Region includes the following species characteristics: climamorphs (according to Raunkiaer), heliomorphs, trophomorphs, hygromorphs and cenomorphs (according to the Belgard ecomorph system (1950), hemerobia (Blume & Sukopp, 1976), and the categories of species firstly applied by I. Y. Akinfiev (1889).

The abovementioned publications of the 19th, 20th and 21st centuries were used as the basis for compiling the list and characteristics of the species. Bioecological characteristics of species in the flora of the Dnipropetrovsk region (which occupies the major part of the Northern Steppe Dnipro Region) were presented in monographs of Tarasov (2012), and in subsequent years they were clarified by other researchers of the Dnipropetrovsk Belgard geobotanic school (Baranovsky, 2000; Baranovsky et al., 2017; Karmyzova & Baranovsky, 2020). Hygromorphs of aquatic plants were added to the ecomorphic characteristics of species (Baranovsky, 2000), and changes to some ecomorphs were made. For example, trophomorph defined for steppe biotope species as “megatroph (MgTr)” was changed to “mesotroph (MgTr)”, because the soils of steppe biotopes correspond to the average humus content, and the maximum humus content corresponds to the soils of floodplains and ravine forests.

The list includes rare and endangered species of vascular plants from the Red Book of the Dnipropetrovsk region (Baranovskiy & Tarasov, 2010), the Red Book of Ukraine (Didukh, 2009), the European and World

Red Lists with the corresponding categories of rarity and species recommended for listing in the Red Book of the Dnipropetrovsk region.

The analysis of the adventive component of flora was carried out according to the approaches Komars (1968), and invasive component – according to Richardson and Pishek classification (2000). The list also includes plant species not currently registered in the region.

The flora database contains the main bioecological characteristics of species: climamorphs (according to Raunkiaer), heliomorphs, trophomorphs, hygromorphs, and cenomorphs according to the Belgard ecomorph system (1950). We used data from the monographs listed above and our own long-term research to assess the occurrence of species in the modern flora of the region.

The paper presents hemeroby of species of vascular plant flora. Hemeroby can be defined as the ability of plant species to be adapted to anthropogenically disturbed landscapes (Blume & Sukopp, 1976; Jackowiak, 1990). In capacity of assessment of the anthropogenic transformation degree of landscapes, hemerobicity can be reflected in accordance with the classification of Blume & Sukopp (1976) by the predominance of hemerobia of vascular species (Jalas, 1955). A significant number of early foreign studies on the assessment of anthropogenic transformation of landscapes are known (Jalas, 1955; Sukopp, 1972; Blume & Sukopp, 1976; Hill et al., 2002); hemerobes are perceived as an integrative measure of the impact of all human interventions on ecosystems (Kowarik, 1988) as indicators in conservation and landscape planning to improve their condition (Walz & Stein, 2014). The authors' current activity is more related to the assessment of landscape hemeroby by remote sensing, especially in the land use system for calculating anthropogenic impact (Yu, 2020; Erdős, 2022). Lists of flora with bioecological characteristics of plant species in other steppe zones of Eurasia can be found in the papers of Hungarian and Kazakh authors (Abdulina, 1999; Ebel et al., 2015; Király & Király, 2018; Bartha, 2021). But these papers do not contain a comprehensive bioecological characteristic of species with their hemerobia.

The hemerobia of vascular plant flora in the Northern Steppe Dnipro Region was determined by its own research, since the hemerobia of species in the studied territory will not always coincide with the hemerobia of species presented for Ukraine as a whole (Didukh, 2000). In different natural areas, the main factors for the existence of species can be such natural factors as moisture. For example, foreign authors emphasize that the hemerobic scale for Berlin cannot always be suitable for cities in the United Kingdom (Hill et al., 2002).

## Results

As a result of the study, the flora of the Northern Steppe Dnipro Region was found to include 1,895 species (Table 1). They belong to 134 families. The vast majority of plant species are included in the families Asteraceae, Poaceae, Brassicaceae, Fabaceae, Lamiaceae, Rosaceae, Caryophyllaceae, Scrophulariaceae, Ranunculaceae, Apiaceae, Boraginaceae.

**Table 1**  
Database of flora in the Northern Steppe Dnipro Region

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Trophomorphs	Hygromorphs	Cenomorphs	Hemeroby	Occurrence	Rare, adventive species
Lycopodiaceae										
1.	<i>Lycopodiella inundata</i> (L.) Holub.	Ch	Per	He	MsOgTr	Hg	PrPsPal	OgMsHr	VR	RBU 2 RBDR 1
2.	<i>Lycopodium clavatum</i> L.	Ch	Per	ScHe	MsOgTr	HgMs	SilPrPal	OgMsHr	VR	RBDR 1
Equisetaceae										
3.	<i>Equisetum arvense</i> L.	G	Per	ScHe	MsTr	HgMs	RuSilPr	MsEuHr	VO	–
4.	<i>E. fluviatile</i> L.	HKr	Per	ScHe	MsTr	HelHg	AqPal	OgHr	S	RBDR 3
5.	<i>E. hyemale</i> L.	Ch	sFr	ScHe	MsTr	HgMs	PrPsSil	OgMsHr	R	RBDR 3
6.	<i>E. palustre</i> L.	G	Per	ScHe	MsTr	MsHg	PrPal	OgMsHr	R	RBDR 0
7.	<i>E. pratense</i> Ehrh.	G	Per	ScHe	MsTr	HgMs	Pr	OgMsHr	VR	Rec RBDR
8.	<i>E. ramosissimum</i> Desf.	G	Per	ScHe	MsOgTr	Ms	PrPs	MsHr	S	–
9.	<i>E. sylvaticum</i> L.	G	Per	Sc	MsTr	HgMs	Sil	OgMsHr	VR	RBDR 1
10.	<i>E. telmateia</i> Ehrh.	G	Per	HeSc	MsTr	MsHg	SilPal	OgMsHr	VR	RBDR 1
Aspleniaceae										
11.	<i>A. ruta-muraria</i> L.	HKr	Per	HeSc	MsTr	XMs	Pt	OgHr	R	RBDR 1
12.	<i>Asplenium septentrionale</i> (L.) Hoffm.	HKr	Per	HeSc	MsTr	XMs	Pt	OgMsHr	R	RBDR 2
13.	<i>A. trichomanes</i> L.	HKr	Per	HeSc	MsTr	Ms	SilPt	OgMsHr	R	RBDR 1
Athuriaceae										
14.	<i>Athyrium filix-femina</i> (L.) Roth	HKr	Per	Sc	MsTr	HgMs	Sil	Og-EuHr		RBDR 2

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-roby	Occurrence	Rare, adventive species
15.	<i>Cystopteris fragilis</i> Bernh. Dennstaedtiaceae	HKr	Per	HeSc	MsOgTr	Ms	PsSil	MsHr	R	RBDR 2
16.	<i>Pteridium aquilinum</i> (L.) Kuhn Dryopteridaceae	G	Per	HeSc	OgMsTr	Ms	Sil	OgMsHr	R	RBDR 1
17.	<i>Dryopteris carthusiana</i> H.P. Fuchs.	HKr	Per	ScHe	MsTr	Ms	Sil	OgHr	R	RBDR 3
18.	<i>D. cristata</i> (L.) A.Grey	HKr	Per	HeSc	OgMsTr	MsHg	SilPal	OgHr	R	RBDR 1
19.	<i>D. filix-mas</i> (L.) Schott.	HKr	Per	HeSc	OgMsTr	Ms	Sil	MsEuHr	R	RBDR 3
20.	<i>Gymnocarpium dryopteris</i> (L.) Newman	G	Per	Sc	MsTr	HgMs	Sil	OgHr	VR	RBDR 1
21.	<i>Polystichum aculeatum</i> (L.) Roth Onocleaceae	HKr	Per	Sc	OgMsTr	HgMs	PtSil	OgMsHr	VR	RBDR 1
22.	<i>Matteuccia struthiopteris</i> (L.) Tod. Ophioglossaceae	HKr	Per	Sc	MsTr	MsHg	CuSil	Og-EuHr	VR	RBDR 1
23.	<i>Botrychium lunaria</i> (L.) Sw.	G	Per	He	MsTr	Ms	Pr	OgMsHr	VR	RBU 2 RBDR 1
24.	<i>Ophioglossum vulgatum</i> L. Polypodiaceae	HKr	Per	HeSc	MsTr	HgMs	SilPr	OgMsHr	VR	RBDR 1
25.	<i>Polypodium vulgare</i> L. Salviniaceae	HKr	Per	HeSc	MsTr	Ms	SilPt	OgMsHr	VR	RBDR 1
26.	<i>Salvinia natans</i> (L.) All. Thelypteridaceae	T	Ann	ScHe	MsTr	Pl er	Aq	OgMsHr	O	RBU 4 RBDR 2
27.	<i>Thelypteris palustris</i> Schott Ephedraceae	G	Per	HeSc	MsTr	Hg	AqSilPal	OgMsHr	R	RBDR 2
28.	<i>Ephedra distachya</i> L. Pinaceae	Ch	sFr	He	Og-MsTr	X	PtSt	OgMsHr	S	RBDR 3
29.	<i>Pinus pallasiiana</i> D. Don	Ph	Arb	ScHe	OgMsTr	XMs	Sil	EuMsHr	S	–
30.	<i>P. sylvestris</i> L. Alismataceae	Ph	Arb	ScHe	OgMsTr	X-Hg	Sil	OgMsHr	VO	–
31.	<i>Alisma gramineum</i> Ley.	HKr	Per	He	MsTr	HelHg	PalAq	OgMsHr	R	–
32.	<i>A. lanceolatum</i> With.	HKr	Per	He	MgTr	HelHg	PalAq	OgMsHr	R	–
33.	<i>A. plantago-aquatica</i> L.	HKr	Per	ScHe	MsTr	HgHel	PalAq	OgMsHr	O	–
34.	<i>Sagittaria sagittifolia</i> L. Alliaceae	HKr	Per	ScHe	MsTr	HgHy	PalAq	MsHr	O	–
35.	<i>Allium angulosum</i> L.	G	Per	ScHe	MsTr	XMs	Pr	OgMsHr	R	–
36.	<i>A. coeruleum</i> Pall.	G	Per	He	MsTr	HgMs	CuRu	EuHr	R	Adv
37.	<i>A. decipiens</i> Fisch. ex Schult. et Schult. f.	G	Per	ScHe	MsTr	XMs	PtSMn	OgHr	R	RBDR 3
38.	<i>A. firmotunicatum</i> Fomin	G	Per	He	MsTr	MsX	PtSt	OgHr	R	–
39.	<i>A. flavescens</i> Bess.	G	Per	He	MsTr	MsX	PsPtSt	MsHr	O	–
40.	<i>A. guttatum</i> Stev.	G	Per	He	OgMgTr	X	PsSt	OgMsHr	O	RBDR 3
41.	<i>A. inaequale</i> Janka	G	Per	He	CaMsTr	X	CaPt	MsHr	S	–
42.	<i>A. lineare</i> L.	G	Per	He	MsTr	MsX	Pt	OgHr	VR	RBU 2 RBDR 1
43.	<i>A. moschatum</i> L.	G	Per	He	OgTr	MsX	Pt	OgHr	VR	–
44.	<i>A. oleraceum</i> L.	G	Per	ScHe	MsOgTr	XMs	Ru	MsEuHr	R	–
45.	<i>A. paczosiianum</i> Tuzs.	G	Per	He	MsTr	MsX	PsSt	OgMsHr	O	–
46.	<i>A. paniculatum</i> L.	G	Per	He	MsTr	MsX	PtSt	OgHr	O	RBDR 4
47.	<i>A. podolicum</i> (Asch. et Graebn.) Blocki ex. Racib.	G	Per	StHe	MsTr	MsX	PtSilSt	OgHr	S	RBDR 3
48.	<i>A. praecissum</i> Rehb.	G	Per	He	AlkTr	MsX	StPrHal	OgHr	R	RBDR 2
49.	<i>A. regelianum</i> Besk. ex Iljin	G	Per	He	AlkTr	Ms	Hal	AOgHr	R	ERL R RBU 3 RBDR 1
50.	<i>A. rotundum</i> L.	G	Per	He	MsTr	MsX	HalPrSt	Og-EuHr	O	RBDR 3
51.	<i>A. savranicum</i> Bess.	G	Per	ScHe	OgTr	X	Ps	OgHr	R	RBU 2 RBDR 3
52.	<i>A. schoenoprasum</i> L.	G	Per	He	MsTr	HgMs	CuPtPr	Og-EuHr	R	Adv
53.	<i>A. scorodoprasum</i> L.*	G	Per	ScHe	MsTr	HgMs	SMnPr	MsHr	VR	Rec RBDR
54.	<i>A. scythicum</i> Zoz	G	Per	He	MsTr	MsX	HalSt	Og-EuHr	R	ERL R RBU 2 RBDR 1
55.	<i>A. sphaerocephalum</i> L.	G	Per	He	MsTr	MsX	PtSt	Og-EuHr	O	–
56.	<i>A. waldschteinii</i> G.Don fil. Amarillaceae	G	Per	He	MsTr	XMs	SMnSt	MsHr	O	–
57.	<i>Galanthus nivalis</i> L. Araceae	HKr	Per	HeSc	MgTr	Ms	Sil	AHr	VR	RBU 4 RBDR 0
58.	<i>Acorus calamus</i> L.	HKr	Per	He	MsTr	Hel	Aq	MsEuHr	R	RBDR 3 Adv
59.	<i>Pistia stratiotes</i> L.* Asparagaceae	T	Ann	He	MsTr	Pl er	Aq	EuHr	VR	Adv
60.	<i>Asparagus officinalis</i> L.	HKr	Per	ScHe	MsTr	MsX	PtSt	Og-EuHr	VO	–
61.	<i>A. polyphyllus</i> Steven	HKr	Per	He	MsTr	MsX	PtSt	OgMsHr	R	–
62.	<i>A. tenuifolius</i> Lam.	HKr	Per	HeSc	MsTr	Ms	Sil	OgMsHr	R	–
63.	<i>A. verticillatus</i> L. Asphodelaceae	HKr	Per	ScHe	CaMsTr	XMs	PrSMnPt	OgMsHr	O	RBDR 1
64.	<i>Anthericum ramosum</i> L. Butomaceae	HKr	Per	HeSc	CaOgTr	Ms	PsCrSil	AOgHr	VR	RBDR 2
65.	<i>Butomus umbellatus</i> L. Convallariaceae	HKr	Per	He	MsTr	HgHel	PalAq	OgMsHr	O	–
66.	<i>Convallaria majalis</i> L.	G	Per	HeSc	MsTr	Ms	Sil	OgMsHr	O	RBDR 3
67.	<i>Majanthemum bifolium</i> (L.) F.W. Schmidt	G	Per	HeSc	OgMsTr	Ms	Sil	A-MsHr	VR	RBDR 0
68.	<i>Polygonatum hirtum</i> Bocs ex Poir.	G	Per	ScHe	OgTr	Ms	SMnSil	OgHr	R	RBDR 0
69.	<i>P. multiflorum</i> (L.) All.	G	Per	Sc	MgTr	Ms	Sil	MsHr	O	–
70.	<i>P. odoratum</i> (Mill.) Druce Cyperaceae	G	Per	ScHe	OgTr	Ms	SMnSil	OgMsHr	R	RBDR 3
71.	<i>Blysmus compressus</i> (L.) Panz. ex Link	HKr	Per	He	MsTr	HelHg	PalPr	OgMsHr	R	Rec RBDR
72.	<i>Bolboschoenus maritimus</i> (L.) Palla	HKr	Per	He	AlkMgTr	HelHg	AqPal	Ms-PHr	VO	–

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Cenomorphs	Hemero-by	Occurrence	Rare, adventive species
73.	<i>B. maritimus</i> (L.) Palla var. <i>compactus</i> (Hofm.) T.V. Egorova	HKr	Per	He	AlkMgTr	HelHg	AqPal	Ms-PHr	S	–
74.	<i>Carex acuta</i> L.	HKr	Per	He	MsTr	HelHg	AqPal	Og-EuHr	O	–
75.	<i>C. acutiformis</i> Ehrh.	HKr	Per	ScHe	MsTr	Hg	SilPal	AOgHr	O	–
76.	<i>C. atherodes</i> Spreng.	HKr	Per	ScHe	MsTr	MsHg	SilPr	AOgHr	R	RBDR 4
77.	<i>C. bohemica</i> Schreb.	HKr	Per	He	OgTr	MsHg	PrPs	AOgHr	VR	RBU 2 RBDR 1
78.	<i>C. bueckii</i> Wimm.	HKr	Per	He	AlkMgTr	HgMs	PalPr	OgHr	R	RBDR 4
79.	<i>C. caryophyllaea</i> Latourr.	HKr	Per	He	OgTr	Ms	PrPs	OgMsHr	S	–
80.	<i>C. cespitosa</i> L.	HKr	Per	ScHe	MsTr	MsHg	PrPal	OgHr	R	–
81.	<i>C. cinerea</i> Pollich.	HKr	Per	HeSc	OgTr	HgMs	SilPalPr	AOgHr	VR	–
82.	<i>C. digitata</i> L.	HKr	Per	HeSc	MsTr	MsX	Sil	OgHr	R	–
83.	<i>C. diandra</i> Schreng	HKr	Per	He	MsTr	Hg	Pal	OgHr	R	–
84.	<i>C. diluta</i> M. Bieb.	HKr	Per	He	AlkMgTr	HgMs	HalPal	OgHr	R	–
85.	<i>C. distans</i> L.	HKr	Per	He	AlkMgTr	HgMs	PrHal	OgMsHr	O	–
86.	<i>C. disticha</i> Huds.	HKr	Per	He	MsTr	HgMs	PalPr	AOgHr	R	–
87.	<i>C. divisa</i> Huds.	HKr	Per	He	AlkTr	Ms	PrHal	OgHr	R	–
88.	<i>C. elongata</i> L.	HKr	Per	HeSc	OgTr	MsHg	PalSil	OgMsHr	R	Rec RBDR
89.	<i>C. ericetorum</i> Pollich	HKr	Per	ScHe	AlkTr	XM	RuSilPs	OgMsHr	R	–
90.	<i>C. extensa</i> Good.	HKr	Per	HeSc	AlkTr	Ms	HalPr	AOgHr	VR	–
91.	<i>C. flacca</i> Schreb.	HKr	Per	He	MsTr	HgMs	PalPr	AOgHr	VR	–
92.	<i>C. globularis</i> L.	HKr	Per	He	OgTr	Hg	SilPal	AOgHr	VR	–
93.	<i>C. hirta</i> L.	HKr	Per	ScHe	OgMsTr	HgMs	SilPr	OgMsHr	S	–
94.	<i>C. hordeistichos</i> Vill.	HKr	Per	He	MsTr	HgMs	PalPr	OgMsHr	S	–
95.	<i>C. lachenalii</i> Schuhr.	HKr	Per	ScHe	MsTr	Ms	SilPr	MsHr	S	–
96.	<i>C. lasiocarpa</i> Ehrh.	HKr	Per	ScHe	OgTr	MsHg	SilPal	AOgHr	R	RBU 3 RBDR 3
97.	<i>C. ligerica</i> J.Gay.	HKr	Per	He	OgTr	Ms	Ps	MsHr	VO	–
98.	<i>C. limosa</i> L.	HKr	Per	He	MsTr	MsHg	Pal	AMsHr	VR	–
99.	<i>C. melanostachya</i> Bieb. ex Willd.	HKr	Per	ScHe	AlkMgTr	MsXMgHg	PalPrSil	OgMsHr	VO	–
100.	<i>C. michelii</i> Host	HKr	Per	HeSc	MsTr	XM	StSil	OgMsHr	R	–
101.	<i>C. montana</i> L.	HKr	Per	He	MsTr	XM	StSil	OgHr	VR	–
102.	<i>C. muricata</i> L.	HKr	Per	ScHe	MgTr	Ms	Sil	OgMsHr	R	–
103.	<i>C. nigra</i> (L.) Reichard	HKr	Per	He	MsTr	HgMs	PalPr	AOgHr	R	–
104.	<i>C. omskiana</i> Meinch.	HKr	Per	HeSc	OgTr	MsHg	SilPal	OgHr	R	–
105.	<i>C. otrubae</i> Podp.	HKr	Per	ScHe	MgTr	HgMs	HalSilPr	MsHr	R	–
106.	<i>C. pallescens</i> L.	HKr	Per	HeSc	OgMsTr	Ms	ScHe	MsHr	R	Rec RBDR
107.	<i>C. paniculata</i> L.	HKr	Per	He	MsTr	Hg	Pal	AMsHr	VR	RBDR 0
108.	<i>C. pediformis</i> C.A. Mey.	HKr	Per	He	MsTr	X	St	OgHr	R	–
109.	<i>C. pilosa</i> Scop.	HKr	Per	Sc	MsTr	Ms	Sil	AOgHr	VR	RBDR 2
110.	<i>C. praecox</i> Schreb.	HKr	Per	He	OgMsTr	XM	StPr	MsHr	VO	–
111.	<i>C. pseudocyperus</i> L.	HKr	Per	HeSc	MgMgTr	Hg	SilPal	OgHr	S	–
112.	<i>C. rhizina</i> Blitt ex Lindbl.	HKr	Per	HeSc	MsTr	Ms	Sil	AOgHr	VR	RBDR 0
113.	<i>C. riparia</i> Curtis	HKr	Per	ScHe	MsTr	Hg	Pal	Og-EuHr	VO	–
114.	<i>C. secalina</i> Willd. ex Wahlenb.	HKr	Per	He	MsTr	MsX	PsPrSt	MsHr	R	RBU 2 RBDR 3
115.	<i>C. spicata</i> Huds.	HKr	Per	HeSc	MgTr	XM	PrSil	OgHr	R	–
116.	<i>C. stenophylla</i> Wahlenb.	HKr	Per	He	AlkMgTr	MsX	PrSt	MsHr	O	–
117.	<i>C. supina</i> Wahlenb.	HKr	Per	ScHe	OgTr	XM	SilPtSt	MsHr	S	–
118.	<i>C. vesicaria</i> L.	HKr	Per	He	MsTr	MsHg	PrPal	OgMsHr	S	–
119.	<i>C. vulpina</i> L.	HKr	Per	He	MsTr	MsHg	PalPr	MsHr	O	–
120.	<i>Cyperus fuscus</i> L.	T	Ann	He	OgMsTr	Hg	PsPal	OgMsHr	O	–
121.	<i>C. glaber</i> L.	T	Ann	He	OgMsTr	Hg	PsPr	MsHr	R	–
122.	<i>C. glomeratus</i> L.	T	Ann	He	OgMsTr	Hg	PalPs	MsEuHr	R	RBDR 1
123.	<i>C. michelianus</i> (L.) Link	T	Ann	He	OgTr	MsHg	PalPs	OgMsHr	R	RBDR 4
124.	<i>Eleocharis acicularis</i> (L.) Roem. et Schult.	HKr	Per	ScHe	MsTr	HelHg	PrPal	OgMsHr	O	RBDR 3
125.	<i>E. klingei</i> (Meinsh.) B. Fedtsch.	HKr	Per	He	MsTr	HgMs	PalPr	OgHr	R	–
126.	<i>E. mitracarpa</i> Steud.	HKr	Per	He	MgTr	Hg	PrPal	OgMsHr	R	–
127.	<i>E. palustris</i> (L.) Roem. et Schult.	HKr	Per	He	MgTr	Hg	PrPal	MsEuHr	VO	–
128.	<i>E.uniglumis</i> (Link) Schult.	HKr	Per	He	AlkMgTr	Hg	HalPalPr	MsHr	S	–
129.	<i>Eriophorum polystachyon</i> L.	HKr	Per	He	MsTr	Hg	Pal	AOgHr	R	Rec RBDR
130.	<i>E. vaginatum</i> L.	HKr	Per	He	MsTr	Hg	Pal	AOgHr	R	Rec RBDR
131.	<i>Juncellus panonicus</i> (Jacq.) Clarke	T	Ann	He	AlkMsTr	HgMs	HalPr	MsHr	R	RBDR 1
132.	<i>J. serotinus</i> (Rottb.) Clarke	HKr	Per	He	MsTr	HgHel	RuAqPal	MsEuHr	R	RBDR 1 Adv
133.	<i>Mariscus hamulosus</i> (M. Bieb.) Hooper	T	Ann	He	OgTr	Hg	PrPs	MsHr	R	RBDR 0
134.	<i>Pycneus flavescens</i> Reichenb.	T	Ann	He	MsOgTr	Hg	PsPal	OgMsHr	R	RBDR 0
135.	<i>Scirpoides holoschoenus</i> (L.) Sojak.	G	Per	He	MsOgTr	HgMs	PrPs	OgMsHr	O	–
136.	<i>S. holoschoenus subsp. australis</i> (L.) Sojak	G	Per	He	MsOgTr	HgMs	PrPs	OgHr	VR	–
137.	<i>Scirpus lacustris</i> L.	HKr	Per	He	MsTr	HelHg	AqPal	OgMsHr	VO	–
138.	<i>S. melanospermus</i> C.A. Mej	T	Ann	ScHe	OgMsTr	MsHg	PsPrPal	OgHr	R	RBDR 1
139.	<i>S. supinus</i> (L.) Palla	T	Ann	ScHe	MsTr	MsHg	PrPal	OgMsHr	R	RBDR 3
140.	<i>S. sylvaticus</i> L.	HKr	Per	HeSc	MsTr	Hg	SilPal	OgMsHr	S	–
141.	<i>S. tabernaemontani</i> C.C. Gmel.	HKr	Per	He	AlkMsTr	Hg	AqPal	OgMsHr	VO	–
Hyacinthaceae										
142.	<i>Bellevallia sarmatica</i> (Pall. ex Georgi) Woronov	G	Per	He	MsTr	MsX	SilPtSt	MsHr	R	RBDR 3
143.	<i>Hyacinthella leucophaea</i> (C. Koch) Schur	G	Per	He	MsTr	MsX	PrPtSt	OgMsHr	O	RBDR 3
144.	<i>H. pallasiana</i> (Steven) Losinsk.	G	Per	He	MsTr	MsX	PtSt	AOgHr	VR	WRL R RBDR 0
145.	<i>Leopoldia tenuiflora</i> (Tausch.) Heldr.	G	Per	He	MsTr	MsX	St	OgHr	VR	WRL R RBDR 0
146.	<i>Muscari neglectum</i> Guss.	G	Per	He	MsTr	XM	SMnSt	OgMsHr	R	RBDR 2
147.	<i>Ornithogalum bouscheanum</i> (Kunth) Aschers.	G	Per	HeSc	MsTr	Ms	PrSil	OgMsHr	S	RBU 2 RBDR 3
148.	<i>O. fimbriatum</i> Willd.	G	Per	ScHe	MsTr	Ms	Sil	AOgHr	R	RBDR 2
149.	<i>O. fischerianum</i> Krasch.	G	Per	He	AlkMsTr	MsX	HalPrSt	MsHr	R	–
150.	<i>O. kochii</i> Parl.	G	Per	He	MsTr	MsX	SilPtSt	MsHr	O	RBDR 3

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robby	Occurrence	Rare, adventive species
151.	<i>O. umbellatum</i> L.	G	Per	ScHe	MgTr	Ms	SilSMn	MsHr	R	–
152.	<i>Scilla bifolia</i> L.	G	Per	ScHe	MsTr	XMs	StSil	AOgHr	R	RBDR 3
153.	<i>S. sibirica</i> Haw.	G	Per	HeSc	MgTr	Ms	Sil	OgHr	R	RBDR 3
Hydrocharitaceae										
154.	<i>Elodea canadensis</i> Michx.	Hd	Per	HeSc	OgMsTr	Hy r	RuAq	MsEuHr	VO	Adv
155.	<i>E. mutalii</i> (Planch.) H.St. John.	Hd	Per	HeSc	OgMsTr	Hy r	RuAq	MsHr	VR	Adv
156.	<i>Hydrocharis morsus-ranae</i> L.	Hd	Per	ScHe	MsTr	Pl er	Aq	OgMsHr	S	–
157.	<i>Stratiotes aloides</i> L.	Hd	Per	ScHe	MsTr	Pl r	Aq	AOgHr	R	RBDR 3
158.	<i>Vallisneria spiralis</i> L.	Hd	Per	HeSc	MsTr	Hy r	RuAq	MsEuHr	S	Adv
Iridaceae										
159.	<i>Crocus reticulatus</i> Stev. ex Adam.	G	Per	He	AlkMsTr	MsX	PrSt	MsHr	S	RBU 4 RBDR 3
160.	<i>Gladiolus tenuis</i> Bieb.	G	Per	ScHe	MsTr	XMs	Pr	AOgHr	R	RBU 2 RBDR 2
161.	<i>Iris germanica</i> L.	HKr	Per	ScHe	MgTr	Ms	RuCul	EuHr	R	Adv
162.	<i>I. halophila</i> Pall.	HKr	Per	He	AlkMsTr	XMs	HalPr	A-MsHr	R	RBDR 3
163.	<i>I. pincticola</i> Klok.	G	Per	He	OgTr	Ms	PsSil	AOgHr	VR	RBU 2 RBDR 2
164.	<i>I. pontica</i> Zapal.	HKr	Per	He	MsTr	X	St	OgHr	VR	RBU 2 RBDR 1
165.	<i>I. pumila</i> L.	HKr	Per	He	MsTr	X	St	MsHr	S	RBDR 3
166.	<i>I. pseudacorus</i> L.	G	Per	He	MsTr	Hg	Pal	OgMsHr	O	–
167.	<i>I. sibirica</i> L.	G	Per	ScHe	MsTr	HgMs	PalPr	OgHr	VR	RBU 2 RBDR 1
Juncaceae										
168.	<i>Juncus alpinoarticulatus</i> Chaix ex Vill.	HKr	Per	He	OgMsTr	MsHg	PrPal	MsHr	R	–
169.	<i>J. articulatus</i> L.	HKr	Per	He	OgMsTr	HgMs	PrPal	OgMsHr	S	–
170.	<i>J. atratus</i> Krock.	HKr	Per	He	Og-MgTr	MsHg	PsPalPr	OgMsHr	R	–
171.	<i>J. bufonius</i> L.	T	Ann	ScHe	OgMsTr	HgMs	PsPr	MsHr	S	–
172.	<i>J. compressus</i> Jacq.	HKr	Per	He	MgTr	MsHg	RuPalPr	MsEuHr	VO	–
173.	<i>J. conglomeratus</i> L.	Hel	Per	He	OgTr	Hg	Pal	OgHr	VR	–
174.	<i>J. effusus</i> L.	Hel	Per	He	MsTr	Hg	PalPr	OgMsHr	R	–
175.	<i>J. gerardii</i> Loisel.	HKr	Per	He	AlkMsTr	HgMs	HalPr	MsEuHr	O	–
176.	<i>J. inflexus</i> L.	HKr	Per	He	MsTr	MsHg	Pr	MsHr	S	–
177.	<i>J. submodulosus</i> Schrank	HKr	Per	He	MsTr	Hg	PrPal	AOgHr	VR	–
178.	<i>J. tenageia</i> Ehrh. ex L.f.	T	Ann	He	OgTr	MsHg	PrPs	MsHr	R	–
179.	<i>Luzula campestris</i> (L.) DC.	HKr	Per	ScHe	OgTr	XMs	PrSil	OgHr	VR	RBDR 0
180.	<i>L. multiflora</i> (Ehrh.) Lej.	HKr	Per	ScHe	MsTr	Ms	PrSil	OgHr	VR	RBDR 4
181.	<i>L. pallidula</i> Krischner	HKr	Per	ScHe	MsTr	MsHg	PrSilSMn	MsHr	R	–
Juncaginaceae										
182.	<i>Triglochin maritimum</i> L.	HKr	Per	He	AlkTr	MsHg	PalHalPr	OgMsHr	O	–
183.	<i>T. palustre</i> L.	HKr	Per	He	MgTr	MsHg	HalPalPr	OgMsHr	R	–
Lemnaceae										
184.	<i>Lemna gibba</i> L.	Pl	Per	ScHe	MsTr	Pl er	Aq	OgHr	R	–
185.	<i>L. minor</i> L.	Pl	Per	ScHe	MsTr	Pl er	Aq	Og-EuHr	VO	–
186.	<i>L. trisulca</i> L.	Pl	Per	HeSc	MsTr	Hy er	Aq	Og-PHr	VO	–
187.	<i>Spirodela polirrhiza</i> (L.) Schleid.	Pl	Per	He	MsTr	Pl er	Aq	OgMsHr	VO	–
188.	<i>Wolffia arrhiza</i> (L.) Hortkel ex Wimm.	Pl	Per	He	MsTr	Pl er	Aq	OgMsHr	R	RBDR 3
Liliaceae										
189.	<i>Fritillaria meleagris</i> L.	G	Per	He	AlkMgTr	HgMs	Pr	AOgHr	VR	RBU 2 RBDR 2
190.	<i>F. meleagroides</i> Patrin ex Schult. et Schult. f.	G	Per	He	AlkMgTr	HgMs	Pr	OgMsHr	R	RBU 2 RBDR 2
191.	<i>F. ruthenica</i> Wikstr.	G	Per	ScHe	MsTr	XMs	Sil	OgMsHr	S	RBU 2 RBDR 2
192.	<i>Gagea bohemica</i> Schult.	G	Per	He	MsTr	MsX	PtSt	MsHr	O	RBDR 4
193.	<i>G. bulbifera</i> (Pall.) Salisb.	G	Per	He	MsTr	MsX	PtSt	MsHr	O	–
194.	<i>G. dubia</i> Terr.	G	Per	He	OgTr	MsX	PsSt	MsHr	VR	–
195.	<i>G. erubescens</i> (Bess.) Schult. et Schult.f.	G	Per	ScHe	MgTr	Ms	StSMn	MsHr	O	–
196.	<i>G. lutea</i> (L.) Ker-Gawl.	G	Per	HeSc	MsTr	Ms	Sil	AOgHr	R	RBDR 3
197.	<i>G. maeotica</i> Artemch.	G	Per	He	MsTr	XMs	PtSt	OgMsHr	VR	RBDR 4
198.	<i>G. minima</i> (L.) Ker-Gawl.	G	Per	HeSc	MsTr	Ms	PtSil	OgMsHr	R	–
199.	<i>G. paczoskii</i> (Zapal.) Grossh.	G	Per	He	MsTr	MsX	StPr	MsHr	VR	–
200.	<i>G. podolica</i> Schult. et Schult.	G	Per	He	MsTr	MsX	PtSt	MsHr	O	–
201.	<i>G. pusilla</i> (F.W. Schmidt) Schult. et Schult. f.	G	Per	He	MgTr	Ms	SilSt	MsHr	R	–
202.	<i>G. szovitsii</i> (Lang.) Besser ex Schult. et Schult.	G	Per	He	MsTr	MsX	StPt	OgHr	VR	–
203.	<i>G. ucrainica</i> Klokov	G	Per	He	MsTr	XMs	PrSt	OgMsHr	VR	RBDR 4
204.	<i>G. villosa</i> (M. Bieb.) Duby	G	Per	He	MsTr	MsX	RuSt	MsEuHr	R	–
205.	<i>Tulipa biflora</i> Pall.	G	Per	HeSc	MsTr	XMs	StPt	AOgHr	VR	Rec RBDR
206.	<i>T. hypanica</i> Klokov et Zoz	G	Per	HeSc	MgTr	Ms	StPt	OgHr	R	RBDR 3
207.	<i>T. ophiophylla</i> Klokov et Zoz	G	Per	He	CaMsTr	XMs	StPt	OgHr	VR	Rec RBDR
208.	<i>T. quercetorum</i> Klokov et Zoz	G	Per	ScHe	MgTr	Ms	StPrSil	A-MsHr	S	RBU 2 RBDR 3
209.	<i>T. schrenkii</i> Regel.	G	Per	He	MsTr	MsX	PtSt	OgHr	VR	RBU 2 RBDR 2
Melanthaceae										
210.	<i>Bulbocodium versicolor</i> (Ker Gavl.) Spreng.	G	Per	He	MsTr	XMs	St	OgHr	R	RBU 2 RBDR 2
211.	<i>Colchicum ancyrense</i> B. L. Burt	G	Per	He	MsTr	XMs	St	OgHr	VR	–
212.	<i>Veratrum nigrum</i> L.	G	Per	ScHe	MgTr	Ms	PrSil	OgHr	VR	RBDR 1
Najadaceae										
213.	<i>Caulinia minor</i> (All.) Coss. et Germ.	T	Ann	HeSc	MsTr	Hy r	Aq	OgMsHr	R	RBDR 2
214.	<i>Najas marina</i> L.	T	Ann	HeSc	MsTr	Hy r	Aq	OgMsHr	O	–
Orchidaceae										
215.	<i>Dactylorhiza incarnata</i> L.	G	Per	He	MgTr	MsHg	PrPal	OgMsHr	VR	RBU 3 RBDR 1
216.	<i>D. maculata</i> (L.) Soo	G	Per	He	MgTr	MsHg	Pr	OgHr	R	–
217.	<i>D. majalis</i> (Rchb.) P. F. Yunt et Summerhayes	G	Per	He	MgTr	Hg	PrPal	AOgHr	VR	Rec RBDR
218.	<i>Epipactis helleborine</i> (L.) Crantz	G	Per	ScHe	MsTr	Ms	PrSil	OgHr	VR	RBU 4 RBDR 1
219.	<i>E. palustris</i> (L.) Crantz	G	Per	ScHe	OgMsTr	MsHg	PalPr	Og-EuHr	R	RBU 2 RBDR 2
220.	<i>Liparis loeselii</i> (L.) Rich.	G	Per	He	MgTr	Hg	Pal	AOgHr	VR	Rec RBDR

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Cenomorphs	Hemero-robry	Occurrence	Rare, adventive species
221.	<i>Listera ovata</i> (L.) R. Borbas	G	Per	HeSc	MsTr	HgMs	Sil	OgHr	VR	RBU 2 RBDR 1
222.	<i>Neottia nictus-avis</i> (L.) R. Rich.	G	Per	Sc	SaprTr	HgMs	Sil	AOgHr	VR	RBU 4 RBDR 0
223.	<i>Orchis coriophora</i> L.	G	Per	He	MsTr	HgMs	PalPr	AOgHr	VR	RBU 2 RBDR 1
224.	<i>O. militaris</i> L.	G	Per	HeSc	AlkMsTr	HgMs	PrSMn	AOgHr	VR	RBU 2 RBDR 2
225.	<i>O. morio</i> L.	G	Per	He	MgTr	XMs	PrSMn	AOgHr	VR	RBU 2 RBDR 2
226.	<i>O. palustris</i> Jacq.	G	Per	He	AlkMsTr	MsHg	PrPal	OgHr	R	RBU 2 RBDR 3
227.	<i>O. ustulata</i> L.	G	Per	ScHe	MgTr	Ms	SilPr	OgHr	VR	RBU 2 Rec RBDR
228.	<i>Platanthera bifolia</i> (L.) Rich.	G	Per	ScHe	OgMsTr	Ms	Sil	AOgHr	VR	RBU 4 RBDR 1
229.	<i>P. chlorantha</i> (Cust.) Rchb.	G	Per	ScHe	MgMsTr	Ms	SilPr	AOgHr	VR	RBU 4 RBDR 0
Poaceae										
230.	<i>Aegilops cylindrica</i> Host	T	Ann	He	OgMsTr	MsX	PsPirRu	MsEuHr	S	–
231.	<i>Aeluropus litoralis</i> (Gouan) Parl.	HKr	Per	He	AlkTr	Ms	PrHal	OgMsHr	S	RBDR 3
232.	<i>Agropyron dasyanthum</i> Ledeb.	G	Per	He	OgTr	MsX	RuPs	OgMsHr	R	–
233.	<i>A. desertorum</i> (Fisch.ex. Link) Schult. et Schult.	HKr	Per	He	MsTr	X	PtSt	OgHr	VR	–
234.	<i>A. lavrencoanum</i> Procucl.	HKr	Per	He	OgTr	MsX	Ps	MsHr	S	–
235.	<i>A. pectinatum</i> (M. Bieb.) P. Beauv.	HKr	Per	He	MsTr	X	PrSt	MsHr	O	–
236.	<i>Agrostis canina</i> L.	HKr	Per	ScHe	OgTr	HgMs	PrPs	OgMsHr	S	–
237.	<i>A. capillaris</i> L.	HKr	Per	ScHe	OgTr	Ms	SilPr	OgHr	R	–
238.	<i>A. gigantea</i> Roth	HKr	Per	ScHe	MsTr	Ms	SilPr	OgMsHr	S	–
239.	<i>A. maeotica</i> Klokov	HKr	Per	He	AlkOgTr	XMs	StSMnPs	OgHr	R	–
240.	<i>A. sabulicola</i> Klokov	HKr	Per	He	OgTr	Ms	PrPs	OgMsHr	R	–
241.	<i>A. stolonifera</i> L.	HKr	Per	ScHe	Og-MgTr	Hg	PrPal	Og-EuHr	S	–
242.	<i>A. vinealis</i> Schreb.	HKr	Per	ScHe	OgTr	Ms	StSMnPs	MsHr	S	–
243.	<i>Alopecurus aequalis</i> Sobol.	T	Ann	He	MgTr	HgHel	PrPal	OgHr	S	–
244.	<i>A. arundinaceus</i> Poir.	G	Per	He	AlkMgTr	HgMs	HalPalPr	MsHr	O	–
245.	<i>A. geniculatus</i> L.	T	Ann	He	MsMgTr	MsHg	PalPr	MsHr	S	–
246.	<i>A. pratensis</i> L.	HKr	Per	He	MgMsTr	HgMs	Pr	MsHr	O	–
247.	<i>Anisantha sterilis</i> (L.) Nevski	T	Ann	ScHe	MsTr	MsX	PrStRu	Og-EuHr	S	Adv
248.	<i>A. tectorum</i> (L.) Nevski	T	Ann	ScHe	Og-MgTr	MsX	PsRu	MsEuHr	VO	Adv
249.	<i>Anthoxanthum odoratum</i> L.	HKr	Per	HeSc	Og-MgTr	Ms	SilPr	OgMsHr	VR	RBDR 0
250.	<i>Apera spica-venti</i> (L.) Beauv.	T	Ann	ScHe	OgTr	XMs	RuPs	MsEuHr	O	Adv
251.	<i>Arrhenatherum elatius</i> (L.) J. et C. Presl	HKr	Per	ScHe	MsTr	Ms	SilPr	MsHr	R	–
252.	<i>Avena fatua</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	S	Adv
253.	<i>A. persica</i> Steud.	T	Ann	He	MsTr	MsX	Ru	EuHr	S	Adv
254.	<i>Beckmannia erucifolmis</i> (L.) Host	HKr	Per	ScHe	AlkMsTr	HgMs	PalPr	OgMsHr	S	–
255.	<i>Bothriochloa ischaemum</i> (L.) Keng	HKr	Per	He	OgTrCa	MsX	PtSt	MsHr	O	–
256.	<i>Brachypodium sylvaticum</i> (Huds.) P. Beauv.	HKr	Per	Sc	MgTr	Ms	Sil	OgHr	S	–
257.	<i>Briza media</i> L.	HKr	Per	HeSc	MsTr	HgMs	SilPr	AOgHr	VR	RBDR 4
258.	<i>Bromopsis erecta</i> (Huds.) Fourr.	HKr	Per	He	MsTr	MsX	StRu	MsEuHr	R	–
259.	<i>B. inermis</i> (Leyss.) Holub	G	Per	He	OgMgTr	XMs	RuPrSt	MsEuHr	VO	–
260.	<i>B. riparia</i> (Rehm.) Holub	G	Per	He	Og-MgTr	MsX	PrSt	MsEuHr	O	–
261.	<i>Bromus arvensis</i> L.	T	Ann	He	MsTr	XMs	Ru	MsEuHr	R	Adv
262.	<i>B. commutatus</i> Schrad.	T	Ann	He	MsTr	XMs	Ru	MsEuHr	R	Adv
263.	<i>B. hordeaceus</i> L.	T	AnnBien	ScHe	MsTr	XMs	Ru	MsEuHr	R	–
264.	<i>B. japonicus</i> Thunb.	T	Ann	He	MsTr	MsX	Ru	MsEuHr	S	–
265.	<i>B. secalinus</i> L.	T	AnnBien	ScHe	MsTr	Ms	Ru	MsHr	R	Adv
266.	<i>B. squarrosus</i> L.	T	Ann	ScHe	OgMgTr	MsX	RuPsSt	MsEuHr	O	Adv
267.	<i>Calamagrostis canescens</i> (Web.) Roth	HKr	Per	ScHe	MsTr	MsHg	SilPrPal	OgHr	S	–
268.	<i>C. epigeios</i> (L.) Roth	G	Per	ScHe	OgMsTr	Ms	PsSilPr	OgMsHr	O	–
269.	<i>Catabrosa aquatica</i> (L.) P. Beauv.	HKr	Per	He	MsTr	Hel	PrPal	OgHr	R	–
270.	<i>Cenchrus longispinus</i> (Hack.) Fernald	T	Ann	He	OgTr	MsX	PsRu	MsEuHr	R	Adv
271.	<i>Cleistogenes bulgarica</i> (Bomm.) Keng	HKr	Per	He	MsTr	X	StPt	MsEuHr	S	–
272.	<i>C. squarrosa</i> (Trin.) Keng	HKr	Per	He	OgTr	X	StPs	MsHr	S	–
273.	<i>Corynephorus canescens</i> (L.) P. Beauv.	HKr	Per	ScHe	OgTr	MsX	RuPs	MsEuHr	R	–
274.	<i>Crypsis aculeata</i> (L.) Ait.	T	Ann	He	AlkMsTr	HgMs	HalPr	MsHr	S	RBDR 4
275.	<i>C. alopecuroides</i> (Pill.et Mitt) Schrad.	T	Ann	He	AlkMsTr	HgMs	PrHalPs	MsHr	R	–
276.	<i>C. schoenoides</i> (L.) Lam	T	Ann	He	AlkOgTr	Ms	HalPsPr	MsHr	S	–
277.	<i>Cynodon dactylon</i> (L.) Pers.	HKr	Per	He	AlkMsTr	XMs	HalPr	MsHr	R	Adv
278.	<i>Dactylis glomerata</i> L.	HKr	Per	ScHe	Og-MgTr	Ms	SilSMnPr	OgMsHr	VO	–
279.	<i>Deschampsia caespitosa</i> (L.) P. Beauv.	HKr	Per	ScHe	MsTr	MsHg	SilPr	AOgHr	VR	RBDR 0
280.	<i>Digitaria aegyptica</i> (Retz.) Willd.	T	Ann	ScHe	OgTr	MsX	Ru	MsEuHr	R	Adv
281.	<i>D. ischaemum</i> (Schreb.) Muehl.	T	Ann	He	OgMsTr	MsX	Ru	MsEuHr	S	Adv
282.	<i>D. pectiniformis</i> (Henrard) Tzelev	T	Ann	He	OgMsTr	MsX	PsRu	MsEuHr	VR	Adv
283.	<i>D. sanguinalis</i> (L.) Scop.	T	Ann	He	OgTr	Ms	PsRu	EuHr	O	Adv
284.	<i>Echinochloa crusgalli</i> (L.) P. Beauv.	T	Ann	He	Og-MgTr	MsHg	Ru	MsEuHr	O	Adv
285.	<i>Elymus caninus</i> (L.) L.	HKr	Per	HeSc	MgTr	Ms	Sil	MsHr	R	–
286.	<i>Elytrigia elongata</i> (Host) Nevski	HKr	Per	He	AlkTr	Ms	AlkTr	MsHr	O	RBDR 3
287.	<i>E. intermedia</i> (Host) Nevski	HKr	Per	ScHe	OgMsTr	MsX	SMnPtSt	MsHr	O	–
288.	<i>E. maeotica</i> (Prokud.) Prokud.	G	Per	ScHe	MsTr	MsX	SMnPrSt	MsHr	S	–
289.	<i>E. x mucronata</i> (Opiz.) Prokud.	G	Per	He	MsTr	MsX	StPr	MsHr	R	–
290.	<i>E. repens</i> (L.) Nevski	G	Per	ScHe	MsTr	MsXMsHg	SilStPrRu	Ms-PHr	VO	–
291.	<i>E. stipifolia</i> (Czem. ex Nevski) Nevski	HKr	Per	He	MsTr	MsX	StPr	OgHr	VR	WRL 1 ERL V RBU 2 RBDR 1
292.	<i>E. trichophora</i> (Link) Nevski	G	Per	ScHe	MsTr	XMs	SMnSt	MsHr	R	–
293.	<i>Eragrostis aegyptiaca</i> (Willd.) Delile	T	Ann	He	OgTr	MsX	Ps	MsHr	R	–
294.	<i>E. minor</i> Host	T	Ann	He	OgMsTr	MsX	PsRu	MsEuHr	O	Adv
295.	<i>E. pilosa</i> (L.) Beauv.	T	Ann	He	OgTr	MsX	RuPtPs	MsEuHr	S	Adv
296.	<i>E. suaveolens</i> A.Beck.ex Claus	T	Ann	He	OgTr	MsXMsHg	SilPrPs	MsHr	R	–
297.	<i>Eremopyrum orientale</i> (L.) Jaub. et Spach	T	Ann	ScHe	AlkOgTr	X	HalPsSt	AOgHr	VR	–
298.	<i>E. triticeum</i> (P. Gaertn.) Nevski	T	Ann	He	AlkMsTr	X	HalRuSt	MsHr	R	–



No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Cenomorphs	Hemero-morphs	Occurrence	Rare, adventive species
299.	<i>Festuca arietina</i> Klokov	HKr	Per	ScHe	OgTr	MsX	SilPs	OgHr	VR	–
300.	<i>F. beckeri</i> (Hack) Trautv.	HKr	Per	He	OgTr	X	StSilPs	OgMsHr	O	–
301.	<i>F. gigantea</i> (L.) Vill.	HKr	Per	Sc	MgTr	HgMs	Sil	OgMsHr	R	–
302.	<i>F. ovina</i> L.	HKr	Per	ScHe	MsTr	Ms	SilPr	OgMsHr	R	–
303.	<i>F. pratensis</i> Huds.	HKr	Per	ScHe	MsTr	HgMs	Pr	MsHr	O	–
304.	<i>F. pseudodalmatica</i> Krajina ex Domin	HKr	Per	He	MsTr	X	HalStPt	OgHr	VR	–
305.	<i>F. pseudovina</i> Hack ex Wiesb.	HKr	Per	He	AlkMsTr	X	St	OgHr	VR	–
306.	<i>F. regeliana</i> Pavl.	HKr	Per	He	AlkTr	MsHg	HalPr	MsHr	VO	–
307.	<i>F. rubra</i> L.	HKr	Per	ScHe	Og-MgTr	MsX	RuSilPr	MsHr	R	–
308.	<i>F. rupicola</i> Heuff.	HKr	Per	ScHe	MsTr	MsX	PrSt	OgMsHr	R	–
309.	<i>F. taurica</i> (Hack) A. Kerner ex Trautv.	HKr	Per	SHe	MsTr	X	PtSt	OgMsHr	R	–
310.	<i>F. valesiaca</i> Gaudin.	HKr	Per	He	MgTr	X	St	OgMsHr	O	–
311.	<i>Glyceria arundinacea</i> Kunth	HKr	Per	He	MsTr	HgHel	PrPal	OgMsHr	S	–
312.	<i>G. fluitans</i> (L.) R.Br.	HKr	Per	He	MsTr	Hel	PalAq	OgHr	R	–
313.	<i>G. maxima</i> (C.Hartm.) Holub.	HKr	Per	He	MsTr	HgHel	PalAq	OgMsHr	S	–
314.	<i>G. notata</i> Chevall.	HKr	Per	He	MsTr	Hg	PrPal	OgHr	R	–
315.	<i>Helictotrichon pubescens</i> (Huds.) Pilg.	HKr	Per	He	OgMsTr	XMs	SilStPr	OgHr	R	RBDR 3
316.	<i>Hierochloë odorata</i> (L.) P. Beauv.	G	Per	ScHe	OgMsTr	XMs	SilStPr	MsHr	S	–
317.	<i>H. repens</i> (Host) P. Beauv.	G	Per	ScHe	OgMsTr	XMs	PsStPr	MsHr	S	–
318.	<i>Holcus lanatus</i> L.	HKr	Per	ScHe	OgMsTr	Ms	SilPr	OgMsHr	S	–
319.	<i>Hordeum geniculatum</i> All.	T	Ann	He	MsTr	MsX	Hal	OgMsHr	VR	Rec RBDR
320.	<i>H. jubatum</i> L.	T	Ann	He	MsTr	MsX	RuCul	MsEuHr	R	Adv
321.	<i>H. leporinum</i> Link.	T	Ann	He	MsTr	MsX	Ru	MsEuHr	O	Adv
322.	<i>H. murinum</i> L.	T	Ann	He	MsTr	MsX	RuPsSt	EuHr	VO	Adv
323.	<i>Koeleria brevis</i> Stiven	HKr	Per	He	CaOgTr	MsX	StPt	OgMsHr	R	–
324.	<i>K. cristata</i> (L.) Pers.	HKr	Per	He	OgMsTr	X	SMnSt	OgMsHr	O	–
325.	<i>K. delavignei</i> Gem. ex Domin	HKr	Per	He	AlkMsTr	XMs	SilPsPr	OgMsHr	S	–
326.	<i>K. glauca</i> (Speng.) DC.	HKr	Per	He	OgTr	MsX	StPs	OgMsHr	R	–
327.	<i>K. lobata</i> (M. Bieb.) Roem. et Schult.	HKr	Per	He	CaOgTr	X	StPt	OgMsHr	S	–
328.	<i>K. sabuletorum</i> (Domin) Klokov	HKr	Per	He	OgTr	MsX	SilPs	OgMsHr	O	–
329.	<i>Leersia orizoides</i> (L.) Sw.	G	Per	HeSc	OgMsTr	HelHg	PrPal	OgMsHr	R	RBDR 3
330.	<i>Leymus sabulosus</i> (M. Bieb.) Tzvelev	G	Per	He	OgTr	MsX	PsRu	MsEuHr	S	Adv
331.	<i>Lolium multiflorum</i> Lam.	T	AnnBien	ScHe	MsTr	MsX	CulRu	EuHr	S	Adv
332.	<i>L. perenne</i> L.	HKr	Per	He	MgTr	XMs	RuPr	MsEuHr	S	–
333.	<i>L. temulentum</i> L.	T	Ann	He	MsTr	Ms	Ru	EuHr	S	Adv
334.	<i>Melica altissima</i> L.	HKr	Per	ScHe	MsTr	XMs	SMn	OgMsHr	S	–
335.	<i>M. chrysolepis</i> Klokov	HKr	Per	He	MsTr	MsX	PsPt	OgHr	R	–
336.	<i>M. ciliata</i> L.	HKr	Per	He	CaOgTr	MsX	PsPt	AOgHr	VR	Rec RBDR
337.	<i>M. mutans</i> L.	HKr	Per	Sc	MsTr	Ms	Sil	OgHr	VR	RBDR 4
338.	<i>M. transsilvanica</i> Schur	HKr	Per	ScHe	OgMsTr	MsX	SilSMnSt	OgMsHr	O	–
339.	<i>Milium effusum</i> L.	HKr	Per	Sc	MgTr	Ms	Sil	OgMsHr	R	–
340.	<i>M. vernale</i> M.Bieb.	T	Ann	ScHe	MsTr	MsX	PsStPr	AOgHr	VR	–
341.	<i>Molinia caerulea</i> (L.) Moench	HKr	Per	ScHe	OgTr	Hg	SilPrPal	OgHr	R	RBDR 2
342.	<i>Nardus stricta</i> L.	HKr	Per	ScHe	OgTr	HgMs	SilPalPr	OgHr	R	RBDR 4
343.	<i>Panicum capillare</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	S	Adv
344.	<i>Phalaroides arundinacea</i> (L.) Rauschert	HKr	Per	ScHe	MgTr	MsHg	PrPal	Og-EuHr	S	–
345.	<i>Phleum phleoides</i> (L.) H. Karst.	HKr	Per	He	MsTr	XMs	PsSilPrSt	MsHr	O	–
346.	<i>Ph. pratense</i> L.	HKr	Per	He	MgTr	Ms	Pr	OgMsHr	S	–
347.	<i>Pholurus panonicus</i> (Host) Trin.	T	Ann	He	AlkTr	MsX	StPrHal	OgHr	R	–
348.	<i>Phragmites altissimus</i> (Benth.) Mabilie	HKr	Per	ScHe	MsTr	Hel	PalAq	Ms-PHr	R	Adv
349.	<i>Ph. australis</i> (Cav.) Trin. ex Steud.	HKr	Per	ScHe	MsTr	Hel	PalAq	Ms-PHr	VO	–
350.	<i>Poa angustifolia</i> L.	HKr	Per	ScHe	MsmgTr	MsX	SilPrSt	Og-EuHr	VO	–
351.	<i>P. annua</i> L.	T	Ann	HeSc	MsTr	Ms	RuSilPr	Og-EuHr	O	–
352.	<i>P. bulbosa</i> L.	HKr	Per	He	OgMsTr	MsX	RuSilSt	Og-EuHr	VO	–
353.	<i>P. compressa</i> L.	HKr	Per	ScHe	OgMsTr	MsX	RuSt	MsHr	O	–
354.	<i>P. nemoralis</i> L.	HKr	Per	ScHe	MsTr	XMs	Sil	OgMsHr	S	–
355.	<i>P. palustris</i> L.	HKr	Per	He	MsTr	MsHg	PalPr	OgMsHr	S	–
356.	<i>P. pratensis</i> L.	G	Per	He	MsTr	Ms	SMnPr	OgMsHr	O	–
357.	<i>P. remota</i> Forcelles	HKr	Per	ScHe	OgMsTr	HgMs	PalSil	OgHr	VR	RBDR 1
358.	<i>P. sylvicola</i> Guss.	HKr	Per	HeSc	MgTr	HgMs	SilPalPr	OgHr	R	–
359.	<i>P. trivialis</i> L.	HKr	Per	He	MsTr	HgMs	SilPalPr	OgMsHr	R	–
360.	<i>Puccinella bitykiana</i> Klokov	HKr	Per	He	AlkTr	Ms	HalPr	OgMsHr	R	–
361.	<i>P. brachylepis</i> Klokov	HKr	Per	He	AlkTr	Ms	PrHal	OgMsHr	S	–
362.	<i>P. distans</i> (Jacq.) Parl.	HKr	Per	He	AlkMsTr	XMs	RuHalPr	MsHr	O	–
363.	<i>Sclerochloa dura</i> (L.) P. Beauv.	T	Ann	He	MsTr	XMs	StRu	EuH	O	–
364.	<i>Scolochloa festucacea</i> (Willd.) Link.	HKr	Per	He	MsTr	Hg	Pal	OgHr	VR	RBDR 1
365.	<i>Secale sylvestre</i> Host	T	Ann	He	OgTr	MsX	StRuPs	MsEuHr	O	–
366.	<i>Setaria glauca</i> (L.) P. Beauv.	T	Ann	He	MsTr	XMs	PsRu	MsEuHr	O	Adv
367.	<i>S. verticillata</i> (L.) P. Beauv.	T	Ann	ScHe	MgTr	Ms	Ru	EuHr	O	Adv
368.	<i>S. viridis</i> (L.) P. Beauv.	T	Ann	He	OgMsTr	XMs	PsRu	MsEuHr	O	Adv
369.	<i>Stipa asperella</i> Klokov et Ossyeczjuk	HKr	Per	He	MsTr	X	PtSt	OgHr	VR	RBU 4 RBDR 4
370.	<i>S. borysthenica</i> Trin. et Rupr.	HKr	Per	ScHe	OgTr	MsX	StPs	OgHr	R	RBU 2 RBDR 2
371.	<i>S. capillata</i> L.	HKr	Per	He	MsTr	X	PtSt	OgMsHr	VR	RBU 3 RBDR 3
372.	<i>S. dasyphylla</i> (Czem. et Lindem.) Trautv.	HKr	Per	He	MsTr	X	St	OgHr	VO	WRL R RBU 2 RBDR 1
373.	<i>S. lessingiana</i> Trin. et Rupr.	HKr	Per	He	MsTr	X	St	OgMsHr	VO	RBU 4 RBDR 3
374.	<i>S. pennata</i> L.	HKr	Per	He	MsTr	MsX	St	OgHr	S	RBU 2 RBDR 2
375.	<i>S. pulcherrima</i> K. Koch	HKr	Per	He	MsTr	MsX	PtSt	OgHr	VR	RBU 2 RBDR 2
376.	<i>S. tirsca</i> Steven	HKr	Per	He	MsmgTr	MsX	St	OgHr	VR	RBU 2 RBDR 2
377.	<i>S. ucrainica</i> P. Smim.	HKr	Per	He	MsTr	X	PtSt	OgHr	VR	RBU 4 RBDR 1

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robry	Occurrence	Rare, adventive species
378.	<i>Tragus racemosus</i> (L.) All.	T	Ann	He	OgTr	X	PsPTRu	MsHr	O	Adv
379.	<i>Zizania latifolia</i> (Griseb.) Stapf	HKr	Per	He	MsTr	Hel	Aq	MsEuHr	R	Adv
Potamogetonaceae										
380.	<i>Potamogeton acutifolius</i> Link	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	R	RBDR 4
381.	<i>P. berchtoldii</i> Fieb.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgMsHr	S	–
382.	<i>P. compressus</i> L.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	S	–
383.	<i>P. crispus</i> L.	HKr	Per	HeSc	MsTr	Hy r	Aq	Og-EuHr	VO	–
384.	<i>P. friesii</i> Rupr.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	VR	RBDR 1
385.	<i>P. gramineus</i> L.	HKr	Per	ScHe	MsTr	PIHy r	Aq	OgMsHr	S	–
386.	<i>P. lucens</i> L.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgMsHr	S	–
387.	<i>P. natans</i> L.	HKr	Per	ScHe	MsTr	Pl r	Aq	OgHr	R	RBDR 3
388.	<i>P. nodosus</i> Poir.	HKr	Per	ScHe	MsTr	Hy r	Aq	OgHr	R	RBDR 2
389.	<i>P. pectinatus</i> L.	HKr	Per	HeSc	MsTr	Hy r	Aq	Og-EuHr	VO	–
390.	<i>P. perfoliatus</i> L.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgMsHr	VO	–
391.	<i>P. praelongus</i> Wulfer	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	VR	–
392.	<i>P. sarmaticus</i> Maemets	HKr	Per	ScHe	AlkTr	Hy	Aq	OgHr	VR	RBDR 0
393.	<i>P. trichoides</i> Cham. et Schlecht.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgMsHr	R	RBDR 3
Ruppiaceae										
394.	<i>Ruppia maritima</i> L.*	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	VR	RBDR 1
Sparganiaceae										
395.	<i>Sparganium emersum</i> Rhem.	HKr	Per	ScHe	MsTr	Hg	Aq	OgHr	R	–
396.	<i>S. erectum</i> L.	HKr	Per	ScHe	MsTr	Hel	PalAq	OgMsHr	O	–
397.	<i>S. minimum</i> Wallr.	HKr	Per	HeSc	MsTr	Hel	PalAq	OgHr	VR	RBDR 4
Typhaceae										
398.	<i>Typha angustifolia</i> L.	HKr	Per	He	MsTr	Hel	PalAq	A-EuHr	VO	–
399.	<i>T. latifolia</i> L.	HKr	Per	He	MgTr	Hel	PalAq	A-EuHr	VO	–
400.	<i>T. laxmannii</i> Lepech.	HKr	Per	He	AlkMsTr	Hel	PalAq	MsEuHr	O	Adv
Zannicheliaceae										
401.	<i>Zannichelia palustris</i> L.	HKr	Per	HeSc	AlkMsTr	Hy r	Aq	MsHr	S	–
402.	<i>Z. palustris</i> L. <i>subsp. pedicellata</i> (Rosen. et Wahlb.) Hegi	HKr	Per	HeSc	AlkMgTr	Hy r	Aq	OgMsHr	R	RBDR 1
Aceraceae										
403.	<i>Acer campestre</i> L.	Ph	Arb	ScHe	MgMsTr	XMs	SMnSil	Og-EuHr	VO	–
404.	<i>A. negundo</i> L.	Ph	Arb	He	Og-MgTr	MsXHgMs	SilCuRu	Og-PHr	VO	Adv Inv
405.	<i>A. platanoides</i> L.	Ph	Arb	HeSc	MgMsTr	Ms	Sil	Og-MsHr	VO	–
406.	<i>A. pseudoplatanus</i> L.	Ph	Arb	ScHe	MgMsTr	Ms	SilCu	EuHr	S	Adv
407.	<i>A. saccharinum</i> L.	Ph	Arb	ScHe	MsTr	XMs	SilCu	EuHr	R	Adv
408.	<i>A. tataricum</i> L.	Ph	ArbFr	ScHe	AlkOgMgTr	MsXHgMs	SilSMn	Og-EuHr	R	–
Adoxaceae										
409.	<i>Adoxa moschatellina</i> L.	HKr	Per	HeSc	MsTr	Ms	Sil	OgHr	VR	RBDR 4
Amaranthaceae										
410.	<i>Amaranthus albus</i> L.	T	Ann	He	MsTr	MsX	Ru	Ms-PHr	O	Adv
411.	<i>A. blitoides</i> S. Watson.	T	Ann	He	MsTr	MsX	Ru	Ms-PHr	O	Adv
412.	<i>A. blitum</i> L.	T	Ann	He	MsTr	MsX	Ru	Ms-PHr	R	Adv
413.	<i>A. caudatus</i> L.	T	Ann	He	MgTr	XMs	CuRu	EuPHr	S	Adv
414.	<i>A. cruentus</i> L.	T	Ann	He	MsTr	MsX	CuRu	MsEuHr	R	Adv
415.	<i>A. deflexus</i> L.	T	Ann	He	MsTr	X	Ru	MsEuHr	VR	Adv
416.	<i>A. retroflexus</i> L.	T	Ann	He	MsTr	MsX	Ru	Ms-PHr	O	Adv
Anacardiaceae										
417.	<i>Cotinus coggygria</i> Scop.	Ph	Fr	ScHe	Og-MgTr	MsX	CuSMnRu	EuHr	R	Adv
Apiaceae										
418.	<i>Aegopodium podagraria</i> L.	G	Per	HeSc	MgTr	Ms	Sil	OgMsHr	S	–
419.	<i>Aethusa cynapium</i> L.	THKr	AnnBien	ScHe	MsTr	XMs	SilRu	Og-EuHr	S	Adv
420.	<i>Angelica sylvestris</i> L.	HKr	Per	ScHe	MsTr	HgMs	PrSil	OgHr	VR	RBDR 2
421.	<i>Antriscus cerefolium</i> (L.) Hoffm.	T	Ann	HeSc	MsTr	XMs	SilRu	Og-EuHr	S	–
422.	<i>A. sylvestris</i> (L.) Hoffm.	HKr	Per	HeSc	MsTr	Ms	RuSil	A-EuHr	VO	RBDR 2
423.	<i>Astrodaucus litoralis</i> (M. Bieb.) Drude	HKr	Per	He	AlkOgTr	MsX	HalPtPs	OgHr	R	RBU 4 RBDR 4
424.	<i>A. orientalis</i> (L.) Drude	HKr	Per	He	OgTr	MsX	Ps	OgHr	S	–
425.	<i>Bupleurum affine</i> Sadler	T	Ann	He	MsTr	X	RuSt	Og-EuHr	VR	–
426.	<i>B. rotundifolium</i> L.	T	Ann	He	MsTr	X	St	Og-EuHr	VR	Adv
427.	<i>Caucalis platycarpus</i> L.	T	Ann	He	MgTr	MsX	Ru	EuHr	R	Adv
428.	<i>Cenolophium demudatum</i> (Hornem) Tutin	HKr	Per	He	MgTr	HgMs	SilPr	OgMsHr	R	–
429.	<i>Chaerophyllum bulbosum</i> L.	HKr	Bien	ScHe	OgTr	Ms	PrSil	OgMsHr	R	–
430.	<i>Ch. prescottii</i> DC.	G	Bien	ScHe	MgTr	Ms	PrSilRu	MsEuHr	R	–
431.	<i>Ch. temulum</i> L.	THKr	Bien	HeSc	MsTr	Ms	RuSil	OgMsHr	S	–
432.	<i>Cicuta virosa</i> L.	Hel	Per	HeSc	MsTr	Hg	Pal	OgMsHr	R	–
433.	<i>Cnidium dubium</i> (Schkurh) Thell.	HKr	Per	ScHe	MsTr	Ms	PrSil	OgHr	VR	RBDR 4
434.	<i>Conium maculatum</i> L.	HKr	Bien	He	MsTr	Ms	Ru	Ms-PHr	O	Adv
435.	<i>Daucus carota</i> L.	HKrT	Per	ScHe	Og-MgTr	XMs	Ru	Og-EuHr	O	–
436.	<i>Elaeostica lutea</i> (Hoffm.) Kljuykov, M. Pimen. et V.N. Tichomirov	HKr	Per	He	MsTr	MsX	RuSt	Og-EuHr	R	–
437.	<i>Eryngium campestre</i> L.	G	Per	He	MsTr	X	RuSt	Og-EuHr	O	–
438.	<i>E. planum</i> L.	HKr	Per	ScHe	Og-MsTr	XMs	StPr	OgMsHr	S	–
439.	<i>Falcaria vulgaris</i> Bemb.	HKr	Bien	He	MgTr	MsX	RuSt	MsEuHr	O	–
440.	<i>Heracleum sibiricum</i> L.	HKr	Bien	ScHe	MsTr	Ms	SilPr	Og-EuHr	O	–
441.	<i>Laser trilobum</i> (L.) Borkh.	HKr	Per	HeSc	MsTr	XMs	SMnCr	OgHr	VR	RBDR 3
442.	<i>Levisticum officinale</i> Koch	HKr	Per	ScHe	MsTr	XMs	CuRu	MsEuHr	R	Adv
443.	<i>Oenanthe aquatica</i> (L.) Poir.	HKr	Per	ScHe	MsTr	Hg	Pal	Og-EuHr	O	–
444.	<i>Ostericum palustre</i> (Besser) Besser	HKr	Bien	ScHe	MsTr	Hg	SilPal	OgHr	VR	RBDR 1
445.	<i>Palimbia salsa</i> (L.f.) Besser	HKr	Per	He	AlkTr	MsX	HalSt	OgHr	VR	Rec RBDR



No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Cenomorphs	Hemero-robry	Occurrence	Rare, adventive species
446.	<i>Pastinaca clausii</i> (Ledeb.) M. Pimen.	HKr	Per	He	MsTr	X	RuSt	MsEuHr	R	–
447.	<i>P. sylvestris</i> Mill.	HKr	Bien	ScHe	MsTr	Ms	RuSilSt	MsEuHr	S	–
448.	<i>P. umbrosa</i> Steven ex DC.	HKr	Bien	ScHe	MsTr	Ms	RuSilStr	MsEuHr	S	–
449.	<i>Peucedanum carvifolia</i> Vill.	HKr	Per	ScHe	MsTr	Ms	PrSMn	MsHr	R	–
450.	<i>P. cervaria</i> (L.) Lapeyr.	HKr	Per	ScHe	MsTr	Ms	SilPr	AOgHr	VR	–
451.	<i>P. latifolium</i> (Bieb.) DC.	HKr	Per	He	AlkTr	Ms	PrH	MsHr	S	–
452.	<i>P. lubimenocoanum</i> Kotov	HKr	Per	HeSc	MsTr	XMms	SMn	MsHr	R	–
453.	<i>P. oreoselinum</i> (L.) Moench.	HKr	Per	HeSc	OgTr	XMms	SilPs	MsHr	S	–
454.	<i>P. palustre</i> (L.) Moench	HKr	Bien	He	MgTr	MsHg	PrPal	OgHr	VR	RBDR 4
455.	<i>P. ruthenicum</i> M. Bieb.	HKr	Per	He	MsTr	MsX	HalSt	OgHr	R	–
456.	<i>Physospermum cormubiense</i> (L.) DC.	HKr	Per	HeSc	MsTr	Ms	Sil	AOgHr	VR	Rec RBDR
457.	<i>Pimpinella saxifraga</i> L.	HKr	Per	ScHe	OgMsTr	MsX	StPr	MsHr	R	–
458.	<i>P. titanophila</i> Woronova	HKr	Per	ScHe	OgMsTr	MsX	StPr	MsHr	R	–
459.	<i>Selinum carvifolia</i> (L.) L.	HKr	Per	ScHe	MsTr	Ms	SilPr	AOgHr	VR	–
460.	<i>Seseli annuum</i> L.	HKr	Per	ScHe	MsTr	XMms	StSil	MsHr	R	–
461.	<i>S. campestre</i> Besser	HKr	Per	He	MsTr	MsX	St	MsEuHr	O	–
462.	<i>S. libanotis</i> subsp. <i>intermedium</i> (Rupr.) P.W. Ball	HKr	Per	He	CaMsTr	X	RuPsPt	MsEuHr	S	–
463.	<i>S. pallasi</i> Besser	HKr	Bien	He	CaMsTr	X	SMnPt	OgHr	R	RBDR 4
464.	<i>S. peucedanifolium</i> Besser	HKr	Per	He	CaMsTr	X	StPt	OgHr	VR	–
465.	<i>S. peucedanoides</i> (M. Bieb.) Koso-Pol.	HKr	Per	ScHe	CaOgMsTr	XMms	StSilPr	OgHr	VR	–
466.	<i>S. tortuosum</i> L.	HKr	Per	He	OgTr	XMms	StPs	MsHr	S	–
467.	<i>Stella erecta</i> (Huds.) M. Pimen.	HKr	Per	He	OgTr	Hg	Pal	OgMsHr	R	RBDR 3
468.	<i>Silaum silaus</i> (L.) Schinz et Thell.	HKr	Per	He	MgTr	X	HalPr	OgHr	R	–
469.	<i>Stium latifolium</i> L.	HKr	Per	ScHe	MsTr	Hg	Pal	OgMsHr	O	–
470.	<i>S. sisaroides</i> DC.	HKr	Per	He	MsTr	Hg	Pal	OgMsHr	O	–
471.	<i>Taeniopetalum arenarium</i> (Waldst. et Kit.) V.N. Tichomirov	HKr	Per	ScHe	OgTr	XMms	PsSil	MsHr	S	–
472.	<i>Torilis japonica</i> (Houtt.) DC	T	Ann	ScHe	MsTr	XMms	RuSil	MsEuHr	O	–
473.	<i>T. ucrainica</i> Spreng.	T	Ann	ScHe	MsTr	MsX	PtSil	AOgHr	VR	Rec RBDR
474.	<i>Trinia hispida</i> Hoffm.	HKr	Per	He	MsTr	X	St	AOgHr	VR	Rec RBDR
475.	<i>T. kitaibelii</i> M. Bieb.	HKr	Per	He	MgMsTr	MsX	PrSt	AOgHr	VR	RBDR 3
476.	<i>T. multicaulis</i> (Poir.) Schischk.	HKr	Per	He	MsTr	X	PtSt	OgHr	R	–
477.	<i>Turgenia latifolia</i> (L.) Hoffm.	T	Ann	ScHe	MsTr	X	Ru	OgHr	R	Adv
Apocynaceae										
478.	<i>Vinca herbacea</i> Waldst. et Kit.	HKr	Per	ScHe	MsTr	Ms	StSMn	OgMsHr	VO	–
479.	<i>V. minor</i> L.	Ch	Per	ScHe	MsTr	Ms	PrSilRu	MsEuHr	O	Adv
Aristolochiaceae										
480.	<i>Aristolochia clematitis</i> L.	G	Per	HeSc	MsTr	HgMs	RuPrSil	Og-EuHr	O	–
481.	<i>Asarum europaeum</i> L.	G	Per	Sc	MgTr	Ms	Sil	OgHr	R	RBDR 3
Asclepiadaceae										
482.	<i>Asclepias syriaca</i> L.	G	Per	He	MsTr	XMms	Ru	MsEuHr	O	Adv
483.	<i>Cynanchum acutum</i> L.	HKr	Per	He	AlkTr	XMms	PsPt	OgMsHr	R	–
484.	<i>Vincetoxicum hirsundinaria</i> Medik.	HKr	Per	ScHe	MsTr	MsX	StSMnSil	OgMsHr	O	–
485.	<i>V. intemedium</i> Taliev	HKr	Per	He	OgTr	X	Pt	OgHr	R	ERL I RBDR 2
486.	<i>V. maeoticum</i> (Kleopow) Barbar.	HKr	Per	He	OgTr	X	PtSt	OgHr	VR	ERL R RBDR 1
487.	<i>V. rossicum</i> (Kleop.) Barbar.	HKr	Per	ScHe	MsTr	Ms	PrSMn	OgHr	VR	WRL R RBDR 1
488.	<i>V. scandens</i> Sommier et Levier	HKr	Per	ScHe	MsTr	Ms	Sil	OgMsHr	VR	RBDR 4
Asteraceae										
489.	<i>Achillea collina</i> J.Becker ex Rechb.	HKr	Per	He	MsTr	XMms	StPrSMn	MsHr	S	–
490.	<i>A. inundata</i> Kondr.	HKr	Per	He	MsTr	HgMs	PalPr	OgMsHr	R	RBDR 2
491.	<i>A. leptophylla</i> M. Bieb.	HKr	Per	ScHe	CaMgTr	XMms	StPt	OgMsHr	R	RBDR 3
492.	<i>A. micrantha</i> Willd.	HKr	Per	ScHe	OgTr	MsX	SilPs	MsHr	S	–
493.	<i>A. nobilis</i> L.	HKr	Per	He	MsTr	X	RuSt	MsEuHr	O	–
494.	<i>A. ochroleuca</i> Ehrh.	HKr	Per	He	MsTr	MsX	RuSt	MsHr	R	–
495.	<i>A. pannonica</i> Scheele	HKr	Per	He	MsTr	X	St	MsHr	O	–
496.	<i>A. setacea</i> Waldst. et Kit.	HKr	Per	ScHe	MsTr	X	SMnSt	OgHr	R	–
497.	<i>A. stepposa</i> Klokov et Krytzka	HKr	Per	He	MsTr	X	St	MsEuHr	R	–
498.	<i>A. submillefolium</i> Klokov et Krytzka	HKr	Per	ScHe	MsTr	XMms	SMnRuStPr	MsEuHr	VO	–
499.	<i>Acroptilon repens</i> (L.) DC.	HKr	Per	He	AlkMsTr	X-Ms	PrStRu	MsEuHr	R	Adv
500.	<i>Ambrosia artemisiifolia</i> L.	T	Ann	ScHe	OgMgTr	MsX-Ms	Ru	Ms-PHr	VO	Adv
501.	<i>A. trifida</i> L.	T	Ann	He	MsTr	XMms	Ru	Ms-PHr	R	Adv
502.	<i>Antennaria dioica</i> (L.) P. Gaertn.	HKr	Per	ScHe	OgTr	MsX	Sil	OgHr	VR	RBDR 1
503.	<i>Anthemis arvensis</i> L.	T	Ann	He	MsTr	MsX	RuSt	MsEuHr	VR	–
504.	<i>A. cotula</i> L.	T	Ann	He	MsTr	XMms	Ru	MsEuHr	O	Adv
505.	<i>A. ruthenica</i> M. Bieb.	T	Ann	ScHe	OgTr	X	PsStRu	MsEuHr	O	–
506.	<i>A. tinctoria</i> L. subsp. <i>subtinctoria</i> (Dobroc.) Soo	HKr	Ann	ScHe	MsOgTr	MsX	PsSilRuSt	MsEuHr	O	–
507.	<i>Arctium lappa</i> L.	HKr	Bien	ScHe	MgTr	Ms	SilRu	MsEuHr	VO	–
508.	<i>A. minus</i> (Hill.) Bernh.	HKr	Bien	ScHe	MgTr	Ms	Ru	EuHr	S	–
509.	<i>A. nemorosum</i> Lej.	HKr	Bien	HeSc	MgTr	Ms	RuSil	MsHr	R	–
510.	<i>A. tomentosum</i> Mill.	HKr	Bien	He	MgTr	Ms	Ru	MsEuHr	VO	–
511.	<i>Artemisia abrotanum</i> L.	Ch	Fr	He	OgMsTr	HgMs	PalPr	OgMs	R	–
512.	<i>A. absinthium</i> L.	HKr	Per	He	MsTr	XMms	Ru	Ms-PHr	O	Adv
513.	<i>A. annua</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	R	Adv
514.	<i>A. armeniaca</i> L.	HKr	Per	He	CaMsTr	MsX	StPt	OgMs	VR	RBDR 1
515.	<i>A. austriaca</i> Jacq.	Ch	Per	He	MsTr	X	RuSt	MsEuHr	O	–
516.	<i>A. campestris</i> L.	HKr	Per	He	OgMsTr	X	PrStPs	Og-EuHr	O	–
517.	<i>A. dracunculus</i> L.	HKr	Per	ScHe	MsTr	Ms	PsRu	MsEuHr	VR	Adv
518.	<i>A. marschalliana</i> Spreng.	HKr	Per	He	OgMsTr	X	PtStPs	MsHr	O	–
519.	<i>A. mutans</i> Willd.	Ch	sFr	He	CaMsTr	MsX	CrPt	OgHr	VR	Rec RBDR

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robry	Occurrence	Rare, adventive species
520.	<i>A. pontica</i> L.	HKr	Per	ScHe	MsTr	X	SMnSt	OgMsHr	R	RBDR 4
521.	<i>A. santonica</i> L.	HKr	Per	He	Hal	XMs	PrHal	OgMsHr	O	–
522.	<i>A. scoparia</i> Waldst. et Kit.	THKr	Bien	He	MsTr	MsX	Ru	MsEuHr	VO	–
523.	<i>A. taurica</i> Willd.	HKr	Per	He	AlkTr	XMs	StHal	OgFr	VR	–
524.	<i>A. tournefortiana</i> Rchnb.	THKr	Ann	ScHe	MsTr	Ms	Ru	EuHr	VR	Adv
525.	<i>A. tshernieviana</i> Besser	Ch	sFr	He	OgTr	Ms	Ps	OgFr	VR	–
526.	<i>A. vulgaris</i> L.	HKr	Per	ScHe	MgTr	Ms	PrRu	Ms-PHr	VO	–
527.	<i>Aster bessarabicus</i> Bernh. ex Rchb.	HKr	Per	ScHe	MgTr	MsX	SilSt	MsHr	O	RBDR 3
528.	<i>A. novae-angliae</i> L.	HKr	Per	ScHe	MgTr	Ms	CuRu	EuHr	R	Adv
529.	<i>A. novi-belgii</i> L.	HKr	Per	ScHe	MgTr	Ms	CuRu	EuHr	R	Adv
530.	<i>A. salignus</i> Willd.	HKr	Per	He	MsTr	Ms	Cu	EuHr	VR	Adv
531.	<i>Bidens cernua</i> L.	T	Ann	He	MsTr	Hg	Pal	MsHr	R	–
532.	<i>B. frondosa</i> L.	T	Ann	ScHe	MsTr	HgMs	PrRu	MsEuHr	R	Adv
533.	<i>B. radiata</i> Thuill.	T	Ann	ScHe	MsTr	HgMs	PrRu	MsEuHr	R	–
534.	<i>B. tripartita</i> L.	T	Ann	ScHe	MsTr	HgMs	PalPr	Og-PHr	O	–
535.	<i>Brachyactis ciliata</i> (Ledeb.) Ledeb.	T	AnnBien	He	MsTr	HgMs	HalPrRu	MsEuHr	R	–
536.	<i>Carduus acanthoides</i> L.	THKr	AnnBien	He	MsTr	MsX	PrStRu	Og-PHr	VO	Adv
537.	<i>C. crispus</i> L.	HKr	Bien	ScHe	MsTr	Ms	SilRu	MsEuHr	R	–
538.	<i>C. hamulosus</i> Ehrh.	HKr	Bien	ScHe	MgTr	MsX	St	MsHr	VR	–
539.	<i>C. nutans</i> L.	HKr	Bien	He	MgTr	MsX	StRu	MsEuHr	O	Adv
540.	<i>C. thoermeri</i> Weinm.	HKr	Bien	He	MgTr	MsX	RuSt	MsEuHr	O	–
541.	<i>C. uncinatus</i> M. Bieb.	HKr	Bien	He	MgTr	MsX	RuPrSt	OgMsHr	R	–
542.	<i>Carlina biebersteinii</i> Bernh. ex Homern.	HKr	Bien	He	MsTr	MsX	RuPtSt	MsHr	R	RBDR 4
543.	<i>Centaurea adpressa</i> Ledeb.	HKr	Per	He	OgTr	MsX	PsSt	MsHr	O	–
544.	<i>C. appendiculata</i> Klokov	HKr	Bien	He	OgTr	MsX	PsSt	MsHr	R	–
545.	<i>C. apiculata</i> Ledeb.	HKr	Per	He	MgTr	X	St	MsHr	R	–
546.	<i>C. besseriana</i> DC.	HKr	Bien	He	MsTr	X	PtSt	OgMsHr	R	–
547.	<i>C. biebersteinii</i> DC.	HKr	Bien	He	MsTrCa	X	RuSt	OgMsHr	R	–
548.	<i>C. borysthenica</i> Grun	HKr	Bien	He	OgTr	MsX	Ps	OgHr	R	–
549.	<i>C. cyanus</i> L.	THKr	AnnBien	He	MsTr	MsX	Ru	EuHr	S	Adv
550.	<i>C. diffusa</i> Lam.	HKr	Bien	He	MsTr	X	StRu	MsEuHr	VO	Adv
551.	<i>C. jacea</i> L.	HKr	Per	ScHe	MgTr	Ms	Pr	OgMsHr	R	–
552.	<i>C. konkae</i> Klokov	HK	AnnBien	He	OgTr	XMs	Ps	A-MsHr	VR	ERL R RBU 1 RBDR 1
553.	<i>C. lavrenkoana</i> Klokov	HKr	Bien	He	MsTr	X	StPt	MsHr	VR	–
554.	<i>C. majorovii</i> Dumb	HKr	Bien	He	OgTr	MsX	Ps	MsHr	VR	–
555.	<i>C. marschalliana</i> Spreng.	HKr	Per	ScHe	MsTr	X	PtSt	MsHr	O	–
556.	<i>C. margaritacea</i> Ten.	HKr	Bien	He	OgTr	Ms	PsSt	OgFr	VR	Rec RBDR
557.	<i>C. odessana</i> Prodan	HKr	Bien	He	OgTr	X	St	OgMsHr	R	Rec RBDR
558.	<i>C. orientalis</i> L.	HKr	Per	He	MsTr	X	St	OgMsHr	S	RBDR 3
559.	<i>C. pseudomaculosa</i> Dobrocz.	HKr	Bien	ScHe	MsTr	MsX	SMnSt	MsHr	S	RBDR 4
560.	<i>C. rutenica</i> Lam.	HKr	Per	He	MsTrCa	X	St	A-MsHr	VR	Rec RBDR
561.	<i>C. salonitana</i> Vis.	HKr	Per	He	MsTr	X	PtSt	OgMsHr	VR	–
562.	<i>C. scabiosa</i> L.	HKr	Per	ScHe	MgTr	MsX	StRu	MsEuHr	O	–
563.	<i>C. solstitialis</i> L.	THKr	AnnBien	He	MsTr	MsX	RuSt	MsHr	VR	Adv
564.	<i>C. stereophylla</i> Besser	HKr	Per	He	MgTr	X	RuSt	AOgHr	VR	Rec RBDR
565.	<i>C. substituta</i> Czerep.	HKr	Per	ScHe	MsTr	Ms	SilPr	OgFr	R	RBDR 3
566.	<i>C. sumensis</i> Kalen.	HKr	Per	He	OgTr	MsX	PsPtSt	MsHr	R	–
567.	<i>C. taliewii</i> Kleopov	HKr	Per	He	MgTr	X	St	OgFr	VR	WRL IRBU 2 RBDR 1
568.	<i>C. trichocephala</i> M. Bieb.	HKr	Per	ScHe	MsTr	XMs	PrSt	MsHr	S	–
569.	<i>C. trinervia</i> Stephan	G	Per	ScHe	OgTr	X	PtSt	MsHr	S	–
570.	<i>Chamaemelum nobile</i> (L.) All.	HKr	Per	He	MsTr	X	CuRu	EuHr	S	–
571.	<i>Chartolepis intermedia</i> Boiss.	G	Per	He	AlkTr	Ms	PrHal	OgMsHr	S	RBDR 3
572.	<i>Chondrilla graminea</i> M. Bieb.	HKr	Bien	He	OgTr	MsX	SilPs	OgFr	R	–
573.	<i>Ch. juncea</i> L.	HKr	BienPer	He	OgTr	MsX	RuStPs	MsEuHr	VO	–
574.	<i>Ch. latifolia</i> M. Bieb.	HKr	BienPer	He	OgTr	MsX	PtPsSt	MsHr	S	–
575.	<i>Cichorium intybus</i> L.	HKr	Per	He	MsTr	MsX	RuStPr	MsEuHr	O	Adv
576.	<i>Cirsium alatum</i> (S.B. Gmel.) Bobr.	HKr	Bien	He	AlkTr	Ms	PrHal	OgMsHr	VO	RBDR 3
577.	<i>C. canum</i> (L.) All.	HKr	Per	He	AlkTr	Ms	HalPr	MsHr	R	RBDR 4
578.	<i>C. esculentum</i> C. A. May.	HKr	Per	He	AlkMsTr	XMs	PrHal	OgFr	R	RBDR 4
579.	<i>C. incanum</i> (S.G. Gmel.) Fisch	G	Per	He	MgTr	MsHg	RuPr	MsEuHr	O	–
580.	<i>C. oleraceum</i> (L.) Scop.	HKr	Per	He	MgTr	HgMs	PrPal	OgFr	VR	–
581.	<i>C. polonicum</i> (Petra) Iljin	HKr	Bien	He	MsTr	MsX	StRu	MsEuHr	S	–
582.	<i>C. rivulare</i> (Jacq.) All.	HKr	Per	He	MsTr	MsHg	PalPr	AOgFr	VR	RBDR 4
583.	<i>C. setosum</i> (Willd.) Besser	G	Per	He	MsTr	MsX	Ru	MsPHr	VO	–
584.	<i>C. ucrainicum</i> Besser	HKr	Bien	He	OgMsTr	X	RuSt	MsEuHr	VO	–
585.	<i>C. vulgare</i> (Savit) Ten.	HKr	Bien	ScHe	MgTr	XMs	Ru	MsEuHr	VO	–
586.	<i>Cnicus benedictus</i> L.	T	Ann	He	MsTr	XMs	CuRu	EuHr	R	Adv
587.	<i>Conyza canadensis</i> (L.) Cronq.	THKr	AnnBien	ScHe	OgMgTr	MsX	Ru	Ms-PHr	VO	Adv
588.	<i>Coropsis grandiflora</i> Hagg ex Sweet	T	Ann	He	MsTr	MsX	CuRu	EuHr	S	Adv
589.	<i>C. tinctoria</i> Nutt.	T	Ann	He	MsTr	MsX	CuRu	EuHr	S	Adv
590.	<i>Cosmos bipinnatus</i> Cav.	T	Ann	He	MsTr	MsX	CuRu	EuHr	S	Adv
591.	<i>Crepis pannonica</i> (Jacq.) K. Koch	HKr	Per	ScHe	MsTr	X	StPrRu	MsHr	VR	–
592.	<i>C. ramosissima</i> D'Urv.	T	Ann	He	MsTr	MsX	PsSt	MsHr	R	–
593.	<i>C. rhodifolia</i> M. Bieb.	T	Ann	He	MsTr	MsX	StRu	MsEuHr	O	–
594.	<i>C. setosa</i> Hal.	T	Ann	He	MsTr	MsX	PrRu	OgMsHr	R	–
595.	<i>C. tectorum</i> L.	THKr	Bien	He	OgMsTr	MsX	PsStRu	MsEuHr	O	–
596.	<i>Crupina vulgaris</i> Cass.	T	AnnBien	He	CaMsTr	MsX	CaPt	OgFr	VR	–
597.	<i>Echinacea purpurea</i> (L.) Moench.	HKr	Per	He	MgTr	XMs	CuRu	EuHr	R	Adv
598.	<i>Echinops ruhenicus</i> M. Bieb.	HKr	Per	ScHe	MsTr	X	PtSt	OgFr	R	–

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robry	Occurrence	Rare, adventive species
599.	<i>E. sphaerocephalus</i> L.	HKr	Per	ScHe	MsTr	X	SMnSt	OgMsHr	S	–
600.	<i>Erigeron acris</i> L.	HKr	Bien	ScHe	MsTr	MsX	SMnPrStRu	MsEuHr	S	–
601.	<i>E. podolicus</i> Besser	HKr	Bien	He	OgMsTr	XMs	PrSMnStPs	MsHr	O	–
602.	<i>Eupatorium cannabinum</i> L.	HKr	Per	ScHe	MgTr	HgMs	SilPr	A-MsHr	O	–
603.	<i>Filago arvensis</i> L.	T	Ann	ScHe	OgMsTr	MsX	PsSilStRu	MsEuHr	S	–
604.	<i>Gaillardia aristata</i> Pursh.	T	AnnBien	He	MsTr	MsX	CuRu	EuHr	R	Adv
605.	<i>G. pulchella</i> Foug.	T	AnnBien	He	MsTr	MsX	CuRu	EuHr	R	Adv
606.	<i>Galatella linostris</i> (L.) Rechb. f.	HKr	Per	ScHe	MgTr	X	SMnSt	OgMsHr	S	–
607.	<i>G. biflora</i> (L.) Nees	HKr	Per	ScHe	MgTr	X	StPr	OgHr	R	–
608.	<i>G. dracunculoides</i> (Lam.) Nees	G	Per	ScHe	MgTr	MsX	SMnPrSt	OgHr	R	–
609.	<i>G. punctata</i> Nees	G	Per	He	AlkMgTr	Ms	HalPr	AOgHr	VR	–
610.	<i>G. rossica</i> Novopokr.	HKr	Per	ScHe	MsTr	MsX	SMnSt	OgHr	R	–
611.	<i>G. tatarica</i> (Less.) Novopokr.	HKr	Per	He	AlkMgTr	XMs	HalSt	OgHr	VR	–
612.	<i>G. villosa</i> (L.) Rechb. f.	G	Per	He	MsTr	X	St	MsHr	O	–
613.	<i>Galinsoga parviflora</i> Cav.	T	Ann	ScHe	MsTr	Ms	Ru	EuHr	O	Adv
614.	<i>G. urticulata</i> (Kunth) Benth	T	Ann	ScHe	MsTr	HgMs	Ru	EuHr	R	Adv
615.	<i>Gnaphalium luteo-album</i> L.	T	Ann	ScHe	OgMsTr	Ms	PrRu	OgHr	VR	–
616.	<i>G. rossicum</i> Kirp.	T	Ann	He	Og-MsTr	MsHg	PrPs	MsHr	S	–
617.	<i>G. sylvaticum</i> L.	HKr	Per	ScHe	MsTr	Ms	PrSil	AOgHr	VR	–
618.	<i>G. uliginosum</i> L.	T	Ann	He	MsTr	MsHg	PrPal	OgHr	R	RBDR 2
619.	<i>Grindelia squarrosa</i> (Pursh) Dunal.	HKr	Per	He	OgMsTr	MsX	Ru	EuHr	O	Adv
620.	<i>Helianthus annuus</i> L.	T	Ann	He	MgTr	XMs	Cu	EuHr	S	Adv
621.	<i>H. tuberosus</i> L.	G	Per	He	MgTr	XMs	Cu	EuHr	R	Adv
622.	<i>Helishysum arenarium</i> (L.) Moench.	HKr	Per	He	OgTr	MsX	StPs	MsHr	O	–
623.	<i>Heliopsis scabra</i> Dunal.	G	Per	ScHe	MsTr	XMs	CuRu	EuHr	S	Adv
624.	<i>Hieracium auratum</i> Fr.	HKr	Per	ScHe	MgTr	Ms	SilPr	AOgHr	VR	–
625.	<i>H. robustum</i> Fr.	HKr	Per	He	MsTr	X	PtSt	MsEuHr	S	–
626.	<i>H. umbellatum</i> L.	HKr	Per	ScHe	OgTr	MsX	StPs	OgMsHr	O	–
627.	<i>H. virosum</i> Pall.	HKr	Per	ScHe	MsTr	MsX	SMnPtSt	MsHr	O	–
628.	<i>Hypochaeris maculata</i> (L.)	HKr	Per	ScHe	MsTr	Ms	SilPr	OgHr	R	RBDR 4
629.	<i>Inula aspera</i> Poir.	HKr	Per	He	MsTr	MsX	PrPtSt	MsHr	S	–
630.	<i>I. britanica</i> L.	HKr	Per	He	MsTr	Ms	RuPr	OgMsHr	O	–
631.	<i>I. ensifolia</i> L.	HKr	Per	He	MsTr	MsX	PrPtSt	MsHr	S	–
632.	<i>I. germanica</i> L.	G	Per	He	MgTr	XMs	StPr	MsHr	S	–
633.	<i>I. helenium</i> L.	HKr	Per	He	MgTr	HgMs	Pr	OgMsHr	R	RBDR 3
634.	<i>I. hirta</i> L.	HKr	Per	ScHe	MgTr	MsX	PrSt	OgHr	VR	RBDR 2
635.	<i>I. oculus-christi</i> L.	HKr	Per	ScHe	MgTr	MsX	SMnSt	OgHr	R	RBDR 4
636.	<i>I. sabuletorum</i> Czern. ex Laurencio	G	Per	ScHe	OgTr	Ms	PsSil	MsHr	VR	Rec RBDR
637.	<i>I. salicina</i> L.	G	Per	ScHe	OgTr	XMs	PrSMn	OgMsHr	O	–
638.	<i>Iva xanthifolia</i> Nutt.	T	Ann	ScHe	OgMgTr	XMs	Ru	Ms-PHr	O	Adv
639.	<i>Jurinea arachnoidea</i> Bunge	HKr	Per	He	MsTr	X	St	MsHr	O	–
640.	<i>J. brachycephala</i> Klokov	HKr	Per	He	CaMsTr	X	StPt	MsHr	S	RBDR 4
641.	<i>J. calcarea</i> Klokov	HKr	Per	He	CaMsTr	X	SiCaPt	OgHr	R	RBDR 3
642.	<i>J. cyanoides</i> (L.) Rechb.	HKr	Per	He	OgMsTr	MsX	Ps	OgMsHr	R	Rec RBDR
643.	<i>J. longifolia</i> DC.	HKr	Per	He	OgTr	MsX	StPs	OgHr	R	RBDR 2
644.	<i>J. molissima</i> Klokov	HKr	Per	He	CaMsTr	X	Pt	OgMsHr	R	–
645.	<i>J. multiflora</i> (L.) B. Fedtsch.	Ch	Per	He	MsTr	X	PtSt	OgMsHr	S	–
646.	<i>J. paczoskiana</i> Iljin	HKr	Per	He	OgTr	MsX	Ps	OgHr	VR	–
647.	<i>J. salicifolia</i> Grun.	HKr	Per	He	MsTr	X	PsPtSt	OgMsHr	S	RBDR 4
648.	<i>J. thyrsoflora</i> Klokov	HKr	Per	He	OgTr	MsX	SilStPs	OgHr	R	–
649.	<i>Lactuca chaxii</i> Vill.	T	AnnBien	HeSc	MgTr	Ms	Sil	MsHr	S	–
650.	<i>L. saligna</i> L.	T	AnnBien	He	AlkTr	Ms	PrHal	OgMsHr	O	–
651.	<i>L. serriola</i> Tomer	THKr	AnnBien	He	MsTr	XMs	Ru	MsEuHr	VO	Adv
652.	<i>L. quercina</i> L.	HKr	Bien	HeSc	MsTr	Ms	Sil	OgMsHr	VR	RBDR 4
653.	<i>L. tatarica</i> (L.) C.A. Mey.	G	Per	He	MsTr	XMs	HalRu	MsEuHr	O	–
654.	<i>Lapsana communis</i> L.	T	Ann	HeSc	MgTr	XMs	RuSil	MsEuHr	O	–
655.	<i>L. intermedia</i> M. Bieb.	T	Ann	ScHe	MgTr	MsX	Ru	EuHr	VR	–
656.	<i>Leontodon autumnalis</i> L.	HKr	Per	ScHe	MsTr	Ms	RuPr	OgMsHr	O	–
657.	<i>L. biscutellifolius</i> DC.	HKr	Per	He	CaMsTr	XMs	PtSt	OgHr	O	–
658.	<i>Lepidothea suaveolens</i> (Pursh) Nutt.	T	Ann	He	MsTr	MsX	Ru	MsEuHr	O	Adv
659.	<i>Leucanthemum vulgare</i> Lam.	HKr	Per	ScHe	MsTr	Ms	RuPr	MsEuHr	R	Adv
660.	<i>Matricaria recutita</i> L.	T	Ann	He	MsTr	MsX	Ru	MsEuHr	O	Adv
661.	<i>Onopordum acanthium</i> L.	HKr	Bien	He	MsTr	MsX	Ru	EuPHr	O	Adv
662.	<i>Petasites hybridus</i> (L.) P. Gaertn., B. Mey et Scherb.	G	Per	ScHe	MsTr	MsHg	Pr	AOgHr	VR	RBDR 0
663.	<i>P. spurius</i> (Retz.) Rechb.	G	Per	ScHe	OgTr	MsHg	Ps	OgMsHr	S	Adv
664.	<i>Phalacrochena imuloides</i> (Fisch. ex Shmalh.) Iljin	G	Per	He	AlkMgTr	XMs	HalPr	OgHr	VR	RBDR 1
665.	<i>Phalacrochena annuum</i> (L.) Dumort.	THKr	AnnBien	ScHe	MsTr	MsX	Ru	MsEuHr	O	Adv
666.	<i>Ph. septentrionale</i> (Fernald et. Wiegand) Tzvelev	THKr	AnnBien	ScHe	MsTr	MsX	Ru	MsEuHr	S	Adv
667.	<i>Picris hieracioides</i> L.	HKr	Per	He	MsTr	MsX	StRu	OgMsHr	O	–
668.	<i>P. rigida</i> Ledeb. ex Speng.	HKr	Bien	ScHe	OgTr	MsX	RuPs	MsEuHr	S	–
669.	<i>Pilosella caespitosa</i> (Dumort.) P.D. Seli et West	HKr	Per	He	MgTr	Ms	SMnPr	AOgHr	VR	–
670.	<i>P. collina</i> (Gochn.) Sojak	HKr	Per	He	OgMsTr	XMs	StPs	MsHr	R	–
671.	<i>P. cymosa</i> (L.) F. Schultz et Sch.Bip	HKr	Per	ScHe	CaMsTr	MsX	PrPtSt	OgHr	VR	–
672.	<i>P. echioides</i> (Lumm.) F. Schultz et Sch.Bip	HKr	Per	ScHe	OgMsTr	MsX	SilPsSt	MsHr	O	–
673.	<i>P. floribunda</i> (Wimmer et Grab.) Fr.	HKr	Per	He	MsTr	HgMs	RuPr	MsHr	S	–
674.	<i>P. officinarum</i> F. Schultz et Sch.	HKr	Per	He	OgMsTr	XMs	PsSilPr	OgMsHr	O	–
675.	<i>P. rothiana</i> (Wallr.) F. Schultz et Sch.	HKr	Per	He	CaMsTr	MsX	PtSt	AOgHr	VR	–
676.	<i>P. vaillantii</i> (Tausch.) Sojak	HKr	Per	He	CaMsTr	MsX	StPsSMn	AOgHr	VR	–
677.	<i>Pharmica cartilaginea</i> (Ledeb. ex Rechb.) Ledeb.	HKr	Per	He	MsTr	HgMs	Pr	OgHr	VR	RBDR 4
678.	<i>P. salicifolia</i> (Besser) Serg.	HKr	Per	He	OgMsTr	MsHg	PalPr	OgMsHr	S	–

No.	Species within families	Climamorphs	Biomorphs	Heliomorphs	Trophomorphs	Hygromorphs	Cenomorphs	Hememorphs	Occurrence	Rare, adventive species
679.	<i>Pterotheca sancta</i> (L.) K. Koch.	HKr	Per	He	MsTr	XMs	StPr	OgHr	VR	RBDR 4
680.	<i>Pulicaria vulgaris</i> Gaertn.	T	Ann	He	AlkMsTr	MsHg	RuPr	OgMsHr	R	–
681.	<i>Pyrethrum corymbosum</i> (L.) Scop.	HKr	Per	ScHe	MgTr	XMs	PrSil	OgHr	S	RBDR 3
682.	<i>Rhaponticum serratuloides</i> (Georgi) Bobr.	HKr	Per	He	AlkTr	MsHg	HalPr	OgHr	R	RBDR 3
683.	<i>Rutbeckia hirta</i> L.	T	AnnBien	He	MsTr	Ms	Cu	EuHr	R	Adv
684.	<i>R. laciniata</i> L.	T	AnnBien	He	MsTr	Ms	Cu	EuHr	R	Adv
685.	<i>Saussurea amara</i> DC.	HKr	Per	He	AlkTr	HgMs	HalPr	OgHr	VR	RBDR 3
686.	<i>Scariola viminea</i> (L.) Schmidt	HKr	Bien	He	OgMsTr	X	PtSt	OgHr	VR	–
687.	<i>Scolimus hispanicus</i> L.	THKr	AnnBien	He	MsTr	X	StRu	MsEuHr	VR	–
688.	<i>Scorzonera austriaca</i> Willd.	HKr	Per	He	MsTr	MsX	PtSt	OgHr	R	RBDR 4
689.	<i>S. ensifolia</i> M. Bieb.	HKr	Per	He	OgTr	XMs	PrPs	OgHr	R	–
690.	<i>S. hispanica</i> L.	HKr	Per	He	MsTr	Ms	Cu	EuHr	S	Adv
691.	<i>S. laciniata</i> L.	HKr	Per	He	AlkTr	X-Ms	HalStPr	MsHr	S	–
692.	<i>S. mollis</i> M. Bieb.	HKr	Per	He	MsTr	MsX	HalPrSt	MsHr	S	–
693.	<i>S. parviflora</i> Jacq.	HKr	Per	He	AlkTr	Ms	HalPr	MsHr	O	–
694.	<i>S. purpurea</i> L.	HKr	Per	ScHe	MsTr	MsX	SilPrSt	OgHr	VR	RBDR 1
695.	<i>S. stricta</i> Homem.	HKr	Per	He	MsOgTr	X	PtSt	OgHr	R	RBDR 2
696.	<i>S. taurica</i> M. Bieb.	HKr	Per	He	MsTr	X	St	OgHr	VR	–
697.	<i>Senecio borysthenicus</i> (DC.) Andrz. Ex Czern.	HKr	Per	ScHe	OgTr	XMs	Ps	MsHr	O	ERL R RBDR 3
698.	<i>S. erucifolius</i> L.	HKr	Per	He	AlkMsTr	XMs	StHalPr	OgMsHr	O	–
699.	<i>S. grandidentatus</i> Ledeb	HKr	Per	ScHe	AlkOgMsTr	XMs	StPsHalPr	OgHr	R	–
700.	<i>S. jacobaea</i> L.	HKr	Per	He	MsTr	MsX	RuSMnPrSt	MsEuHr	VO	–
701.	<i>Spaludosus</i> L.	HKr	Per	He	MsTr	Hg	PrPal	AOgHr	R	RBDR 0
702.	<i>S. paucifolius</i> S.G. Gmel.	HKr	Per	He	AlkTr	XMs	HalPr	OgHr	R	RBDR 4
703.	<i>S. sarracenioides</i> L.	HKr	Per	He	MsTr	Hg	PrPal	AOgHr	VR	Rec RBDR
704.	<i>S. schweizovii</i> Korsh.	HKr	Per	He	AlkCaMgTr	MsX	CrHalPr	OgHr	R	–
705.	<i>S. tataricus</i> Less.	HKr	Per	ScHe	MsTr	HgMs	PrPal	OgHr	VR	RBDR 0
706.	<i>S. vernalis</i> Waldst. et Kit.	T	Ann	ScHe	Og-MgTr	XMs	Ru	EuHr	O	–
707.	<i>S. vulgaris</i> L.	T	Ann	He	MsTr	Ms	Ru	EuHr	O	Adv
708.	<i>Serratula bracteifolia</i> (Iljin ex Grossh.) Stank.	HKr	Per	ScHe	MsTr	X	St	OgHr	VR	RBDR 4
709.	<i>S. cardunculus</i> (Pall.) Schischk.	HKr	Per	He	AlkTr	XMs	HalPr	OgHr	VR	RBDR 1
710.	<i>S. coronata</i> L.	HKr	Per	ScHe	MsTr	Ms	SMnPr	OgHr	VR	–
711.	<i>S. donetzica</i> Dubovik	HKr	Per	He	CaMsTr	MsX	StCr	OgHr	VR	–
712.	<i>S. erucifolia</i> (L.) Boriss.	HKr	Per	He	MsTr	MsX	PtSt	OgHr	S	RBDR 1
713.	<i>S. lycopifolia</i> (Vill.) A. Kerner	HKr	Per	ScHe	MgTr	MsX	StPrSMn	MsHr	R	–
714.	<i>Solidago canadensis</i> L.	HKr	Per	ScHe	MsTr	XMs	CuRu	MsEuHr	O	Adv
715.	<i>S. virgaurea</i> L.	HKr	Per	ScHe	MsTr	Ms	Sil	MsHr	S	–
716.	<i>Silphium perfoliatum</i> L.	HKr	Per	ScHe	MsTr	XMs	CuRu	MsEuHr	O	Adv
717.	<i>Sonchus arvensis</i> L.	G	Per	He	MgTr	MsXMsHg	PrRu	EuHr	O	Adv
718.	<i>S. asper</i> (L.) Hill	T	AnnBien	He	MsTr	MsX	Ru	EuHr	S	Adv
719.	<i>S. oleraceus</i> L.	T	Ann	He	MsTr	XMs	Ru	EuHr	S	Adv
720.	<i>S. palustris</i> L.	HKr	Per	He	MsTr	MsHg	Pal	OgMsHr	S	–
721.	<i>Tanacetum achilleifolium</i> (M. Bieb.) Sch.Bip.	HKr	Per	He	AlkMsTr	X	HalSt	AOgHr	VR	–
722.	<i>T. millefolium</i> (L.) Txvel	HKr	Per	He	MsTr	MsX	PtSt	OgHr	S	–
723.	<i>T. vulgare</i> L.	HKr	Per	He	OgMgTr	MsX	StRuPr	Og-EuHr	VO	–
724.	<i>Taraxacum bessarabicum</i> (Homem.) Hand-Mazz.	HKr	Per	He	MgAlkTr	Ms	PalHalPr	MsHr	S	–
725.	<i>T. erythrospermum</i> Andrz.	HKr	Per	He	MsTr	MsX	CrStPr	MsEuHr	S	–
726.	<i>T. officinale</i> Wigg. aggr.	HKr	Per	ScHe	MsTr	Ms	RuPr	MsEuHr	VO	–
727.	<i>T. serotinum</i> (Waldst. et Kit.) Poir.	HKr	Per	He	MsTr	MsX	RuSt	MsEuHr	O	–
728.	<i>Telekia speciosa</i> (Schreb.) Baumg.	HKr	Per	ScHe	MsTr	MsX	SilPr	AOgHr	VR	RBDR 0
729.	<i>Tephrosia palustris</i> (L.) Fourr	HKr	Bien	He	MsMgTr	Hg	Pal	AOgHr	VR	RBDR 0
730.	<i>Tragopogon borysthenicus</i> Artemcz.	HKr	Bien	He	OgTr	MsX	PsSt	OgHr	VR	ERL I RBDR 0
731.	<i>T. dasyrhynchus</i> Artemtcz	HKr	Bien	He	MgTr	X	PsSt	OgMsHr	VR	–
732.	<i>T. major</i> Jacq.	HKr	Bien	He	MsTr	MsX	SMnRuSt	MsEuHr	O	–
733.	<i>T. orientalis</i> L.	HKr	Bien	He	MgTr	X	St	OgHr	R	RBDR 0
734.	<i>T. podolicus</i> (DC.) Artemcz.	HKr	Bien	He	MsTr	XMs	SMnSt	OgMsHr	O	–
735.	<i>T. tesquicola</i> Klokov	HKr	Bien	He	MgTr	X	St	OgHr	R	RBDR 1
736.	<i>T. ucrainicus</i> Artemtcz.	HKr	Bien	He	OgTr	MsX	StPs	OgMsHr	VR	ERL R RBDR 3
737.	<i>Tripleurospermum inodorum</i> (L.) Sch.	THKr	Bien	He	MgTr	MsX	Ru	MsEuHr	O	Adv
738.	<i>Tripolium pannonicum</i> (Jacq.) Dobroc.	HKr	Bien	He	MsAlkTr	MsHg	PalPrH	MsEuHr	O	–
739.	<i>Tussilago farfara</i> L.	G	Per	He	MsTr	MsHg	RuPr	MsEuHr	O	–
740.	<i>Xanthium albinum</i> (Widd.) H. Scholtz	T	Ann	He	Og-MgTr	XMsMsHg	Ru	MsEuHr	VO	Adv
741.	<i>X. brasiliacum</i> Vellozo	T	Ann	He	OgTr	Ms	Ru	MsEuHr	VR	Adv
742.	<i>X. californicum</i> Greene	T	Ann	He	Og-MsTr	Ms	Ru	MsEuHr	S	Adv
743.	<i>X. spinosum</i> L.	T	Ann	He	MsTr	HgMsMsX	Ru	MsEuHr	S	Adv
744.	<i>X. strumarium</i> L.	T	Ann	He	MsTr	HgMsXMs	Ru	MsEuHr	R	Adv
745.	<i>Xeranthemum annuum</i> L.	T	Ann	He	MsTr	X	RuSt	MsEuHr	O	–
746.	<i>Verbesina encelioides</i> (Cav.) Benth. et. Hock f. Grey	T	Ann	He	MsTr	X	Ru	EuHr	VR	Adv
Balsaminaceae										
747.	<i>Impatiens noli-tangere</i> L.	T	Ann	HeSc	MsTr	HgMs	PalSil	OgHr	VR	RBDR 3
748.	<i>I. parviflora</i> DC.	T	Ann	ScHe	MsTr	HgMs	SilRu	MsEuHr	R	Adv
Berberidaceae										
749.	<i>Berberis vulgaris</i> L.	nPh	Fr	ScHe	OgMsTr	MsX	SMnSil	OgMsHr	R	RBDR 3
750.	<i>Gymnospermium odessanum</i> (DC.) Takht.	G	Per	ScHe	MsTr	X	SilPt	OgHr	VR	WRL I RBDR 2 RBDR 1
751.	<i>Mahonia aquifolium</i> Nutt.	nPh	Fr	HeSc	OgMgTr	Ms	CuRu	EuHr	S	Adv
Betulaceae										
752.	<i>Alnus glutinosa</i> (L.) Gaerthn.	Ph	Arb	ScHe	MgTr	Hg	PalSil	OgHr	R	RBDR 3
753.	<i>Betula borysthena</i> Klokov	Ph	Arb	ScHe	MsOgTr	Ms	Sil	OgHr	VR	Rec RBDR
754.	<i>B. pendula</i> Roth	Ph	Arb	ScHe	OgMsTr	MsHg	Sil	OgMsHr	S	–

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755.	<i>B. pubescens</i> Ehrh.	Ph	Arb	ScHe	MsOgTr	Hg	Sil	OgHr	R	–
Boraginaceae										
756.	<i>Alkanna tuberculata</i> (Forssk.) Meikle	HKr	Per	He	MgTr	MsX	CuRu	EuHr	VR	Adv
757.	<i>Aegonychon purpureocaeruleum</i> (L.) Holub	HKr	Per	HeSc	MsMgTr	Ms	Sil	OgHr	R	RBDR 3
758.	<i>Anchusa aurea</i> Mill.	HKr	Per	He	MgTr	MsX	RuSt	MsEuHr	VR	–
759.	<i>A. gmelini</i> Ledeb.	HKr	Per	He	OgTr	MsX	Ps	OgMsHr	R	–
760.	<i>A. italica</i> Retz.	HKr	Per	He	MsTr	MsX	Ru	EuHr	VR	Adv
761.	<i>A. officinalis</i> L.	HKr	Bien	ScHe	OgTr	MsX	RuSilPs	MsHr	R	Adv
762.	<i>A. popovi</i> (Gusul.) Dobroc.	HKr	BienPer	He	OgTr	MsX	Ps	OgMsHr	VR	RBDR 4
763.	<i>A. procera</i> Besser	HKr	Bien	He	MsTr	X	PsPtSt	MsEuHr	O	–
764.	<i>Asperugo procumbens</i> L.	T	Ann	ScHe	MsTr	XMs	Ru	EuHr	VO	–
765.	<i>Buglossoides arvensis</i> (L.) I.M. Johnst.	T HKr	Ann	ScHe	MsTr	MsX	Ru	EuHr	O	Adv
766.	<i>B. czernjajevii</i> (Klok.) Czer.	T	Ann	He	OgTr	MsX	PtSilPs	OgMsHr	R	–
767.	<i>Cerinthe minor</i> L.	HKr	Bien	ScHe	MsTr	XMs	SMnRuPt	MsHr	S	–
768.	<i>Cynoglossum officinale</i> L.	G	Ann	He	OgTr	XMs	Ru	MsEuHr	O	Adv
769.	<i>Echium biebersteinii</i> Lacaita	HKr	Bien	He	MsTr	X	RuPsSt	MsHr	VR	Rec RBDR
770.	<i>E. ruscicum</i> J.F. Gmel.	HKr	Bien	He	MsTr	X	PtSt	OgHr	R	RBDR 3
771.	<i>E. vulgare</i> L.	HKr	Bien	He	MsTr	X	PsStRu	MsEuHr	VO	–
772.	<i>Heliotropium europaeum</i> L.	T	Ann	He	MgTr	MsX	Ru	EuHr	VR	–
773.	<i>H. suaveolens</i> M. Bieb.	T	Ann	He	OgTr	MsX	Ps	EuHr	VR	–
774.	<i>Lappula patula</i> (Lehm.) Menyharth	HKr	Bien	He	MsTr	X	RuStPt	MsEuHr	O	Adv
775.	<i>L. squarrosa</i> (Retz.) Dumort.	HKr	Bien	He	OgMsTr	MsX	RuSt	EuHr	VO	Adv
776.	<i>Lithospermum officinale</i> L.	T	Ann	He	MsTr	X	RuSMnStPt	A-EuHr	O	–
777.	<i>Lycopsis arvensis</i> L.	T	Bien	He	MsTr	X	Ru	MsEuHr	S	Adv
778.	<i>L. orientalis</i> L.	T	Ann	He	MsTr	XMs	StRu	MsEuHr	S	Adv
779.	<i>Myosotis arvensis</i> (L.) Hill.	T	Ann	He	MsTr	MsX	SMnRuPtSt	EuHr	O	Adv
780.	<i>M. laxa</i> Lehm.	THKr	AnnBien	ScHe	MsTr	MsHg	PrPal	MsHr	O	–
781.	<i>M. micrantha</i> Pall. ex Lehm.	HKr	Per	He	MsTr	MsX	SMnRuPsSt	MsEuHr	O	–
782.	<i>M. nemorosa</i> Besser	HKr	Per	ScHe	MsTr	MsHg	PalSil	AOgHr	VR	–
783.	<i>M. ramosissima</i> Rechel ex Schult.	G	Per	ScHe	MsTr	MsX	RuSMnSt	MsEuHr	S	–
784.	<i>M. scorpioides</i> L.	HKr	Per	ScHe	MsTr	Hg	PrPal	OgMsHr	R	–
785.	<i>M. sparsiflora</i> J.C. Mikan ex Pohl	THKr	AnnBien	ScHe	MsTr	MsX	RuSil	OgMsHr	S	–
786.	<i>Nonea pallens</i> Petrovic	T	Ann	ScHe	MsTr	X	Ru	EuHr	R	Adv
787.	<i>N. rossica</i> Steven	HKr	Per	He	MsTr	XMs	RuSt	OgMsHr	O	–
788.	<i>Omphalodes scorpioides</i> (Haenke) Schrank	T	Ann	HeSc	MgTr	Ms	Sil	OgHr	VR	RBDR 4
789.	<i>Onosma borysthena</i> Klokov	HKr	Bien	He	OgTr	XMs	Ps	AOgHr	VR	RBDR 0
790.	<i>O. macrochaeta</i> Klokov et Dobroc.	HKr	Bien	He	MsTr	X	StPt	OgHr	VR	RBDR 0
791.	<i>O. polychroma</i> Klokov ex M. Pop.	HKr	Bien	He	MsTr	X	PsSt	OgHr	VR	–
792.	<i>O. subtinctoria</i> Klokov	HKr	Bien	He	MsTr	MsX	PtSt	OgHr	VR	RBDR 0
793.	<i>Pulmonaria angustifolia</i> L.	HKr	Per	ScHe	OgMsTr	MsX	PsSil	OgHr	VR	RBDR 0
794.	<i>P. obscura</i> Dumort.	HKr	Per	HeSc	MsTr	Ms	Sil	AOgHr	S	–
795.	<i>Rindera tetraspis</i> Pall.	HKr	Per	He	MsTr	MsX	PtSt	AOgHr	VR	RBDR 0
796.	<i>Rochelia retorta</i> (Pall.) Lipsky	T	Ann	He	MsTr	MsX	PtSt	OgHr	VR	–
797.	<i>Symphlytum caucasicum</i> M. Bieb.	HKr	Per	ScHe	MgTr	XMs	CuRu	EuHr	R	Adv
798.	<i>S. officinale</i> L.	HKr	Per	ScHe	MgTr	MsHg	PalPr	OgMsHr	S	–
799.	<i>S. tauricum</i> Willd.	HKr	Per	HeSc	MsTr	XMs	Sil	OgHr	VR	RBDR 2
Brassicaceae										
800.	<i>Alliaria petiolata</i> (Bieb.) Cavara et Grande	HKr	Per	HeSc	MsTr	XMs	RuSil	MsEuHr	R	–
801.	<i>Alyssum calycinum</i> L.	T	Ann	He	MsTr	MsX	PtSt	MsHr	O	–
802.	<i>A. desertorum</i> Stapf.	T	Ann	He	MsTr	MsX	RuSt	MsEuHr	O	–
803.	<i>A. hirsutum</i> Bieb.	T	Ann	He	MsTr	X	RuPt St	MsEuHr	S	–
804.	<i>A. minutum</i> Schlecht. ex DC.	T	Ann	He	MsTr	MsX	PtPs	OgHr	R	–
805.	<i>A. murale</i> M. Bieb	T	Ann	He	OgMsTr	X	Pt	OgHr	VR	–
806.	<i>A. parviflorum</i> Fisher ex M. Bieb.	T	Ann	He	OgMsTr	X	StPt	OgHr r	R	RBDR 1
807.	<i>A. rostratum</i> Stev.	HKr	BienPer	He	OgMsTr	MsX	Pt	OgHr	R	–
808.	<i>A. savranicum</i> Andz.	Ch	sFr	He	CaOgTr	MsX	CrPs	OgHr	VR	ERLIRBU1 RBDR 4
809.	<i>A. tortuosum</i> Waldst. et Kit.	HKr	Per	He	CaOgTr	X	CrPsPt	OgMsHr	O	–
810.	<i>Arabidopsis thaliana</i> (L.) Heynh.	HKr	AnnBien	He	OgTr	XMs	PsRu	EuHr	O	Adv
811.	<i>A. toxophylla</i> (M. Bieb.) N. Busch.	HKr	BienPer	He	AlkMgTr	HgMs	HallPr	OgMsHr	R	–
812.	<i>Arabis auriculata</i> Lam.	HKr	Bein	He	MsTr	X	PtSt	MsHr	R	–
813.	<i>A. nemorensis</i> (Hofm.) W.D.J. Koch	HKr	AnnBien	ScHe	MsTr	HgMs	SilPr	MsHr	R	–
814.	<i>A. pendula</i> L.	HKr	Bien	HeSc	MgTr	Ms	RuSil	MsEuHr	R	–
815.	<i>Armoracia rusticana</i> (Lam.) G. Gartin. B. Mey. et Scherb.	HKr	Per	He	MsTr	Ms	Cu	EuHr	R	Adv
816.	<i>Aurinia saxatilis</i> (L.) Desv.	Ch	sFr	He	MsTr	X	Pt	OgMsHr	R	RBDR 3
817.	<i>Barbarea stricta</i> Andrz.	THKr	AnnBien	ScHe	MgTr	HgMs	PalPr	MsHr	VR	–
818.	<i>B. vulgaris</i> R. Br.	HKr	BienAnn	ScHe	MsMgTr	Ms	RuPr	MsEuHr	VR	–
819.	<i>B. vulgaris</i> R. Br. subsp. <i>arcuata</i> (Opiz. ex J.Presl) Hayek	HKr	Bien	He	MsMgTr	XMs	RuPr	MsEuHr	R	–
820.	<i>Berteroa incana</i> (L.) DC.	HKr	Bien	ScHe	Og-MgTr	XMs	Ru	EuHr	VO	–
821.	<i>Brassica campestris</i> L.	T	Ann	ScHe	MsTr	XMs	Ru	EuHr	O	Adv
822.	<i>B. juncea</i> (L.) Czern.	T	Ann	He	MsTr	MsX	CuRu	EuHr	O	Adv
823.	<i>B. nigra</i> (L.) W.J. Koch	T	Ann	ScHe	MsTr	XMs	CuRu	EuHr	S	Adv
824.	<i>Bunias erucado</i> L.	THKr	Bien	ScHe	OgMgTr	XMs	Ru	EuHr	VR	Adv
825.	<i>B. orientalis</i> L.	THKr	Bien	ScHe	OgMgTr	XMs	Ru	EuHr	O	Adv
826.	<i>Camelina microcarpa</i> Andrez.	T	Ann	He	MsTr	XMs	SilRu	MsEuHr	S	Adv
827.	<i>C. rumelica</i> Velen.	T	Ann	He	MsTr	X	StRu	MsEuHr	R	Adv
828.	<i>C. sativa</i> (L.) Crantz.	T	Ann	He	MsTr	XMs	Ru	EuHr	S	Adv
829.	<i>C. sylvestris</i> Wallr.	HKr	Bien	He	MsTr	MsX	StRu	MsEuHr	O	Adv

No.	Species within families	Climamorphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robby	Occurrence	Rare, adventive species
830.	<i>Capsella bursa-pastoris</i> (L.) Medik.	T	Ann	He	MsTr	XMs	Ru	EuHr	VO	Adv
831.	<i>Cardamine amara</i> L.	HKr	Per	ScHe	MsTr	MsHg	SilPal	OgHr	VR	–
832.	<i>C. dentata</i> Schult.	HKr	Per	He	MsTr	HgMs	PrPal	OgHr	VR	RBDR 3
833.	<i>C. impatiens</i> L.	THKr	AnnBien	HeSc	MsTr	HgMs	PalSil	OgHr	R	–
834.	<i>C. parviflora</i> L.	T	Ann	ScHe	MsTr	HgMs	PalPsPr	OgHr	R	–
835.	<i>C. pratensis</i> L.	HKr	Per	He	MsTr	HgMs	PalPr	AOgHr	R	–
836.	<i>Cardaminopsis arenosa</i> (L.) Hayek	HKr	Bien	He	OgTr	XMs	PtPs	OgMsHr	R	–
837.	<i>Cardaria draba</i> (L.) Desv.	G	Per	He	MsTr	MsX	Ru	EuPHr	O	Adv
838.	<i>Chorispora tenella</i> (Pall.) DC.	T	Ann	He	MsTr	MsX	Ru	EuHr	O	Adv
839.	<i>Conringia orientalis</i> (L.) Dumort.	T	Ann	He	MsTr	MsX	StRu	EuHr	S	Adv
840.	<i>Crambe aspera</i> L.	HKr	Per	He	MgTr	X	HalPtSt	MsHr	VR	Rec RBDR
841.	<i>Crambe pontica</i> Steven et Rupr.	HKr	Per	He	OgMsTr	XMs	PsRu	EuHr	R	Rec RBDR
842.	<i>Crambe tatarica</i> Sebeok.	HKr	Per	He	CaMsTr	MsX	RuSt	MsHr	R	RBu 2 RBDR 4
843.	<i>Descurainia sophia</i> (L.) Webb et Plantl	T	Ann	He	MsTr	XMs	Ru	EuPHr	VO	Adv
844.	<i>Diplotaxis muralis</i> (L.) DC.	THKr	AnnBien	He	MsTr	MsX	PtRu	EuHr	O	Adv
845.	<i>D. tenuifolia</i> (L.) DC.	HKrCh	Per	He	MsTr	MsX	Ru	EuHr	O	Adv
846.	<i>Draba nemorosa</i> L.	T	Ann	He	MsTr	XMs	Ru	MsEuHr	R	–
847.	<i>Erophila krokeri</i> Andrz.	T	Ann	He	OgMsTr	XMs	Ru	EuHr	O	–
848.	<i>E. verna</i> (L.) Bess.	T	Ann	He	OgMsTr	XMs	RuSt	MsHr	O	–
849.	<i>Erucastrum armoracioides</i> (Czern. ex Turcz.) Cruchet	HKr	Bien	He	MsTr	MsX	RuSt	MsEuHr	O	–
850.	<i>Erysimum aureum</i> M. Bieb.	HKr	Bien	HeSc	MsTr	XMs	SMnSil	OgHr	R	–
851.	<i>E. cheiranthoides</i> L.	HKr	Bien	He	MsTr	Ms	Ru	EuPHr	R	Adv
852.	<i>E. diffusum</i> Ehrh.	HKr	Bien	He	MsTr	X	RuSt	MsEuHr	O	–
853.	<i>E. leptostylum</i> L.	THKr	Bien	He	MsTr	X	St	AOgHr	VR	–
854.	<i>E. leucanthemum</i> (Stephan) B. Fedtsch.	THKr	Bien	He	MsTr	X	HalPtSt	AOgHr	VR	–
855.	<i>E. repandum</i> L.	THKr	Bien	He	MsTr	MsX	StRu	MsEuHr	S	Adv
856.	<i>E. strictum</i> P. Gaertn., B. May. et Scherb.	HKr	Bien	ScHe	MsTr	MsX	RuSISMn	MsEuHr	R	–
857.	<i>Euclidium syriacum</i> (L.) R. Br.	T	Per	He	MsTr	X	Ru	EuHr	S	Adv
858.	<i>Hesperis pycnotricha</i> Borbas et Degen	HKr	Bien	ScHe	MsMgTr	Ms	CuSilRu	MsEuHr	R	Adv
859.	<i>H. sibirica</i> L.	HKr	Per	HeSc	MsMgTr	XMs	CuSMnRu	EuHr	S	Adv
860.	<i>H. tristis</i> L.	HKr	Bien	He	CaMsMgTr	MsX	PrSMnSt	OgHr	R	RBDR 3
861.	<i>Hymenolobus procumbens</i> (L.) Fourr.	T	Ann	He	MsAlkTr	Ms	PrHal	MsHr	VR	RBDR 2
862.	<i>Iberis amara</i> L.	T	Ann	He	MsTr	XMs	RuCu	AOgHr	VR	Adv
863.	<i>Isatis campestris</i> Stev. ex DC.	HKr	Bien	He	MsTr	MsX	RuPtSt	MsHr	R	–
864.	<i>I. praecox</i> Kit. ex Tratt.	HKr	Bien	He	MsTr	MsX	RuSt	MsEuHr	VR	–
865.	<i>I. taurica</i> M. Bieb.	HKr	Bien	He	MsTr	MsX	PtSt	OgMsHr	R	–
866.	<i>I. tinctoria</i> L.	HKr	Bien	He	MsTr	MsX	RuSt	MsEuHr	O	Adv
867.	<i>Lepidium campestre</i> (L.) R. Br.	THKr	AnnBien	He	MsMgTr	MsX	Ru	EuHr	R	Adv
868.	<i>L. crassifolium</i> Waldst. et Kit.	HKr	Per	He	AlkMsTr	XMs	HalPr	MsHr	R	RBDR 4
869.	<i>L. densiflorum</i> Schrad.	THKr	AnnBien	ScHe	MsTr	MsX	Ru	EuHr	S	Adv
870.	<i>L. latifolium</i> L.	HKr	Per	He	AlkMsTr	XMs	HalPr	MsEuHr	O	–
871.	<i>L. perfoliatum</i> L.	THKr	Bien	He	MsTr	MsX	RuSt	MsEuHr	O	Adv
872.	<i>L. ruderale</i> L.	THKr	AnnBien	He	AlkMsTr	MsX	Ru	EuHr	O	Adv
873.	<i>L. sativum</i> L.	T	Ann	He	MsTr	XMs	CuRu	EuHr	S	Adv
874.	<i>Lobularia maritima</i> (L.) Desv.*	T	Ann	He	OgMsTr	MsX	PtCuRu	MsEuHr	R	–
875.	<i>Mattiola bicornis</i> (Sibth. et Smith.) DC.	T	Ann	ScHe	MsTr	XMs	CuRu	EuHr	R	–
876.	<i>Meniocus linifolius</i> (Stephan) DC	T	Ann	He	MsTr	MsX	RuCaSt	MsHr	S	–
877.	<i>Raphanus raphanistrum</i> L.	T	Ann	He	MsTr	XMs	Ru	EuHr	R	Adv
878.	<i>R. sativus</i> L.	T	Ann	He	MgTr	Ms	CuRu	EuHr	S	Adv
879.	<i>Rapistrum perenne</i> (L.) All	HKr	PerBien	He	OgMsTr	Ms	RuSt	MsEuHr	S	Adv
880.	<i>Rorippa amphibia</i> (L.) Besser	G	Per	HeSc	MgTr	HyHg	AqPal	OgMsHr	S	–
881.	<i>R. austriaca</i> (Crantz.) Besser	HKrG	Per	He	OgMsTr	HgMs	RuPalPr	MsHr	S	–
882.	<i>R. brachycarpa</i> (C.A. Mey.) Hayek	HKr	Per	ScHe	MsTr	Ms	Pr	OgHr	R	–
883.	<i>R. palustris</i> (L.) Bess. Besser	HKr	Per	HeSc	OgMsTr	HgMs	PrPal	OgHr	R	–
884.	<i>Rorippa sylvestris</i> (L.) Besser	GHKr	Per	ScHe	MgTr	HgMs	Pr	OgMsHr	R	–
885.	<i>Sinapis alba</i> L.	T	Ann	He	MsTr	XMs	CuRu	EuHr	S	Adv
886.	<i>S. arvensis</i> L.	T	Ann	He	MgTr	MsX	Ru	EuHr	O	Adv
887.	<i>S. dissecta</i> Lag.	T	Ann	He	MsTr	X	Ru	EuHr	S	Adv
888.	<i>Sisymbrium altissimum</i> L.	THKr	AnnBien	He	MsTr	XMs	Ru	EuHr	O	Adv
889.	<i>S. loeselii</i> L.	THKr	AnnBien	He	OgMsTr	MsX	Ru	EuPHr	VO	Adv
890.	<i>S. officinale</i> (L.) Scop.	THKr	AnnBien	He	MsTr	MsX	Ru	EuHr	S	Adv
891.	<i>S. orientale</i> L.	HKr	AnnBien	He	MsTr	MsX	StRu	MsEuHr	R	Adv
892.	<i>S. polymorphum</i> (Murray) Roth	HKr	AnnBien	ScHe	MsTr	MsX	RuSMnSt	MsEuHr	O	Adv
893.	<i>S. strictissimum</i> L.	HKr	Per	HeSc	MsMgTr	Ms	RuSMn	OgMsHr	R	–
894.	<i>S. volgense</i> M. Bieb. ex Fourn.	GHKr	Per	He	OgMsTr	MsX	Ru	EuHr	O	Adv
895.	<i>Syrenia cana</i> (Pall. et Mitt.) Neilr.	HKr	Bien	He	OgTr	MsX	Ps	MsHr	R	RBDR 3
896.	<i>S. montana</i> (Pall.) Klokov	HKr	Bien	He	OgTr	X	StPs	MsHr	R	–
897.	<i>Syrenia siliculosa</i> (M. Bieb.) Andrz.	HKr	Bien	He	OgTr	XMs	Ps	AOgHr	VR	–
898.	<i>Subularia aquatica</i> L.	T	Ann	HeSc	MsTr	Hg	Aq	AOgHr	VR	RBu 0 RBDR 0
899.	<i>Thlaspi arvense</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	VO	Adv
900.	<i>Th. perfoliatum</i> L.	T	Ann	He	MsTr	XMs	StPrRu	MsEuHr	O	Adv
901.	<i>Th. praecox</i> Wulf.	T	Ann	He	MsTr	MsX	RuSMnPt	MsHr	R	–
902.	<i>Turritis glabra</i> L.	THKr	AnnBien	ScHe	MsTr	XMs	PrSMnSt	MsHr	S	–
Caesalpiniaceae										
903.	<i>Gleditschia triacanthos</i> L.	Ph	Arb	He	MsTr	MsX	CuSil	EuHr	O	Adv
Callitricheae										
904.	<i>Callitriche cophocarpa</i> Sendtner	T	Ann	ScHe	MsMgTr	Hyr	PalAq	OgHr	R	Rec RBDR
905.	<i>C. palustris</i> L.	T	Ann	ScHe	MsMgTr	Hyr	AqPal	OgHr	R	RBDR 4
Campanulaceae										
906.	<i>Adenophora lilifolia</i> (L.) Ledeb ex A. DC	HKr	Per	ScHe	MsTr	XMs	SMnSil	OgHr	VR	RBDR 1



No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-roby	Occur-rence	Rare, adven-tive species
907.	<i>Asyneuma canescens</i> (Wadst.et Kit.) Griseb. et Schenk	HKr	Per	ScHe	MsTr	XMs	StPt	OgMsHr	O	–
908.	<i>Campanula bononiensis</i> L.	HKr	Per	ScHe	MsTr	MsX	RuSMnSil	MsHr	O	–
909.	<i>C. cervicaria</i> L.	HKr	Bien	ScHe	MsTr	XMs	Sil	OgMsHr	VR	–
910.	<i>C. glomerata</i> L.	HKr	Per	ScHe	MsTr	XMs	SMnPrSil	OgMsHr	O	RBDR 3
911.	<i>C. patula</i> L.	HKr	Bien	ScHe	MsTr	XMs	SilPr	OgHr	VR	Rec RBDR
912.	<i>C. persicifolia</i> L.	HKr	Per	HeSc	MsTr	Ms	PsSil	OgHr	R	RBDR 2
913.	<i>C. rapunculoides</i> L.	HKr	Per	ScHe	MsTr	XMs	SMnPrSil	OgMsHr	S	–
914.	<i>C. rapunculus</i> L.	HKr	Bien	ScHe	MsTr	Ms	SMnPr	OgHr	S	–
915.	<i>C. rotundifolia</i> L.	HKr	Per	ScHe	OgTr	XMs	SilSMn	OgHr	VR	RBDR 4
916.	<i>C. sibirica</i> L.	HKr	Bien	He	MsTr	MsX	RuPrSMnSt	MsHr	O	–
917.	<i>C. trachelium</i> L.	HKr	Per	HeSc	MsTr	Ms	SMnSil	OgHr	R	RBDR 3
918.	<i>Jasione montana</i> L.	HKr	Bien	ScHe	OgTr	MsX	SilPs	MsHr	R	–
Cannabaceae										
919.	<i>Cannabis ruderalis</i> Janisch.	T	Ann	He	MsTr	MsX	Ru	MsEuHr	O	Adv
920.	<i>Humulus lupulus</i> L.	G	Per	HeSc	MsTr	XMs	SilRu	MsEuHr	VO	–
Caprifoliaceae										
921.	<i>Lonicera caprifolia</i> L.	nPh	Fr	ScHe	MsTr	Ms	CuSMnRu	MsEuHr	VR	Adv
922.	<i>L. tatarica</i> L.	HKr	Per	ScHe	MsTr	MsX	CuSMn	MsEuHr	O	Adv
923.	<i>Sambucus ebulus</i> L.	G	Per	HeSc	MsTr	Ms	RuSil	MsEuHr	VR	Adv
924.	<i>S. nigra</i> L.	nPh	Fr	ScHe	MgMsTr	Ms	RuSil	Og-PHR	VO	–
925.	<i>S. racemosa</i> L.	nPh	Fr	ScHe	OgMsTr	Ms	PsRuSil	MsEuHr	VR	Adv
926.	<i>Viburnum lantana</i> L.	nPh	Fr	ScHe	MgMsTr	Ms	PtSil	OgMsHr	R	RBDR 3
927.	<i>V. opulus</i> L.	nPh	Fr	HeSc	MgTr	Ms	Sil	OgHr	R	–
Caryophyllaceae										
928.	<i>Agrostema githago</i> L.	T	Ann	He	MsOgTr	XMs	Ru	EuHr	VR	Adv
929.	<i>Alsine media</i> L.	THKr	AnnBien	ScHe	MsMgTr	HgMs	SilRu	MsEuHr	VO	–
930.	<i>Arenaria serpyllifolia</i> L.	T	Ann	He	MsMgTr	MsX	StRu	MsHr	R	–
931.	<i>A. uralensis</i> Pall. ex Spreng.	THKr	AnnBien	He	OgMsTr	MsX	PsStRu	MsEuHr	O	–
932.	<i>Cerastium glomeratum</i> Thuil.	T	Ann	He	MsTr	MsX	Ru	EuHr	R	–
933.	<i>C. heterotrichum</i> Klokov	T	Ann	He	MsTr	XMs	PrSt	MsHr	S	–
934.	<i>C. holosteoides</i> Fries	HKr	Per	ScHe	MgMsTr	Ms	SMnPr	MsEuHr	R	–
935.	<i>C. kioviense</i> Klokov	T	Ann	He	OgTr	X	PtPs	MsHr	R	–
936.	<i>C. nemorale</i> M. Bieb.	T	Ann	ScHe	MsTr	Ms	RuSMn	OgMsHr	R	–
937.	<i>C. pseudobulgaricum</i> Klokov	T	Ann	He	OgTr	MsX	PtPs	OgHr	R	–
938.	<i>C. semidecandrum</i> L.	T	Ann	He	OgTr	Ms	RuStPs	OgMsHr	O	–
939.	<i>C. ucrainicum</i> Pacz. et Klokov	T	Ann	ScHe	MsTr	Ms	RuSt	MsHr	R	–
940.	<i>Coccyganthe flos-cuculi</i> (L.) Four.	HKr	Per	ScHe	MsTr	MsHg	SMnPalPr	OgMsHr	VR	RBDR 2
941.	<i>Cucubalus baccifer</i> L.	HKr	Per	HeSc	MgTr	HgMs	PrSil	OgMsHr	S	–
942.	<i>Dianthus andrzejewskianus</i> (Zapal.) Kulcz.	HKr	Per	He	MsMgTr	XMs	StPr	OgMsHr	R	RBDR 2
943.	<i>D. armeria</i> L.	HKr	AnnBien	ScHe	OgMsTr	XMs	PsPrSMn	AOgHr	VR	–
944.	<i>D. borbasii</i> Vandas	HKr	Per	ScHe	OgTr	MsX	SilPs	OgHr	VR	RBDR 1
945.	<i>D. campestris</i> M. Bieb.	HKr	Per	ScHe	OgMsTr	XMs	StPs	MsHr	O	–
946.	<i>D. capitatus</i> Balb. ex DC.	HKr	Per	ScHe	OgMsTr	XMs	PtSt	AOgHr	VR	–
947.	<i>D. carbonatus</i> Klokov	HKr	Per	ScHe	OgMsTr	XMs	PtSt	OgMsHr	O	–
948.	<i>D. deltooides</i> L.	Ch	Per	He	OgMsTr	Ms	SMnPr	MsHr	R	–
949.	<i>D. elongatus</i> C. A. Mey.	HKr	Per	He	MsTr	MsX	St	OgHr	R	–
950.	<i>D. eugeniae</i> Kleopov	HKr	Per	ScHe	MsTr	Ms	SMnSt	OgHr	R	RBDR 4
951.	<i>D. euponticus</i> Zapal.	HKr	Per	He	MsTr	XMs	St	OgHr	R	–
952.	<i>D. guttatus</i> M. Bieb.	HKr	Per	He	AlkMsTr	XMs	HalPrSt	OgHr	R	RBDR 0
953.	<i>D. laevigatus</i> (Grun.) Klokov	HKr	Per	He	OgTr	MsX	PtSt	OgMsHr	R	–
954.	<i>D. lanceolatus</i> Steven ex Rehb.	HKr	Per	He	MsTr	X	St	OgHr	R	ERL1 WRL R RBDR 4
955.	<i>D. maeoticus</i> Klokov	HKr	Per	ScHe	OgMsTr	X	PtSt	OgHr	R	–
956.	<i>D. membranaceus</i> Borbas	HKr	Per	He	MsTr	MsX	SMnSt	OgHr	R	–
957.	<i>D. pallidiflorus</i> Ser.	HKr	Per	He	OgTr	X	StPt	OgMsHr	VR	RBDR 2
958.	<i>D. platyodon</i> Klokov	HKr	Per	He	OgTr	MsX	SilPs	OgMsHr	R	–
959.	<i>D. pseudoarmeria</i> M. Bieb.	T	AnnBien	He	MsTr	MsX	PtSt	OgMsHr	S	–
960.	<i>D. pseudosquarrosus</i> M. Bieb.	Ch	SFr	He	OgTr	MsX	SMnStPs	AOgHr	VR	RBDR 0
961.	<i>D. squarrosus</i> M. Bieb.	Ch	SFr	He	OgTr	XMs	Ps	OgHr	VR	RBDR 1
962.	<i>D. stenocalyx</i> Juz.	HKr	Per	ScHe	MgMsTr	Ms	SMnPr	OgMsHr	VR	RBDR 2
963.	<i>D. viscidum</i> (M. Bieb.) Holub	T	Ann	He	AlkTr	HgMs	HalPr	OgMsHr	S	–
964.	<i>Elisanthe noctiflora</i> (L.) Rupr.	HKr	AnnBien	ScHe	MsTr	XMs	SMnPr	OgMsHr	R	–
965.	<i>E. viscosa</i> (L.) Rupr.	THKr	AnnBien	He	MsTr	XMs	PsPtSt	MsHr	O	–
966.	<i>Eremogone bieberschteinii</i> (Schlecht.) Holub	HKr	Per	He	MsTr	X	PtSt	OgMsHr	O	–
967.	<i>Eremogone cephalotes</i> (M. Bieb.) Fenzl	HKr	Per	He	MsTr	XMs	PtSt	OgMsHr	R	–
968.	<i>E. longifolia</i> (M. Bieb.) Fenzl	HKr	Per	He	MsTr	MsX	HalSt	OgHr	VR	RBDR 4
969.	<i>E. micradenia</i> (P. Smim)	HKr	Per	ScHe	MsTr	XMs	SMnSt	OgHr	R	RBDR 3
970.	<i>E. rigida</i> (M. Bieb.) Fenzl	HKr	Per	He	OgMsTr	MsX	HalPr	OgHr	R	WRL R RBDR 3
971.	<i>Gypsophila acutifolia</i> Fisch. ex Spreng.	HKr	Per	He	MsTr	XMs	CuPrRu	EuHr	R	–
972.	<i>G. collina</i> Steven ex Ser.	HKr	Per	ScHe	MsTr	MsX	PtSt	OgMsHr	VR	–
973.	<i>G. dichotoma</i> Besser	HKr	Per	He	MsTr	MsX	StPt	OgHr	VR	–
974.	<i>G. oligosperma</i> A. Krasnova	HKr	Per	ScHe	CaMsTr	X	PtSt	OgHr	R	–
975.	<i>G. paniculata</i> L.	HKr	Per	He	OgMsTr	MsX	PrSt	MsHr	O	–
976.	<i>G. paulii</i> Klokov	HKr	Per	He	AlkTr	XMs	PsHalRu	MsEuHr	R	Adv
977.	<i>G. perfoliata</i> L.	HKr	Per	He	AlkTr	XMs	RuHalPr	MsHr	R	–
978.	<i>G. scorzonifolia</i> Ser.	HKr	Per	He	AlkTr	Ms	HalRu	MsEuHr	R	Adv
979.	<i>Herniaria besseri</i> Fisch. ex Homem.	HKr	Per	He	MgTr	X	PtSt	MsHr	O	–
980.	<i>H. euxina</i> Klokov	T	Ann	He	OgMsTr	X	St	OgMsHr	R	–
981.	<i>H. glabra</i> L.	T	Ann	He	MsTr	MsX	RuSt	MsEuHr	R	–

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Cenomorphs	Hemero-robry	Occurrence	Rare, adventive species
982.	<i>H. polygama</i> J. Gay	T	Ann	He	MsOgTr	MsX	RuPs	MsEuHr	R	–
983.	<i>Holosteum umbellatum</i> L.	T	Ann	He	OgMsTr	XMs	RuPtSt	MsHr	O	–
984.	<i>Hylebia nemorum</i> (L.) Fourr.	HKr	Per	HeSc	MsTr	HgMs	Sil	OgHr	VR	–
985.	<i>Kolrauschia prolifera</i> (L.) Kunth	T	Ann	He	MsTr	XMs	PtSt	OgHr	R	RBDR 1
986.	<i>Lychnis chalconica</i> L.	HKr	Per	ScHe	MsTr	Ms	CuRu	EuHr	R	Adv
987.	<i>Melandrium album</i> (Mill.) Garcke	HKr	Bien	ScHe	MsTr	MsX	RuSMnPr	MsEuHr	O	–
988.	<i>Minuartia glomerata</i> (M. Bieb.) Degen	T	Ann	He	OgTr	MsX	CaPtSt	OgHr	R	–
989.	<i>M. hypanica</i> Grynje et Klokov	Ch	Per	ScHe	OgTr	MsX	PtSt	OgMsHr	VR	Rec RBDR
990.	<i>M. leiosperma</i> Klokov	Ch	SFr	He	OgTr	MsX	Pt	OgMsHr	S	–
991.	<i>M. piskunovii</i> Klokov	T	Ann	He	OgTr	MsX	Ps	MsHr	R	–
992.	<i>M. viscosa</i> (Schreb.) Schinz et Thell.	T	Ann	He	OgTr	MsX	Ps	MsEuHr	VR	–
993.	<i>Moeringia trinervia</i> (L.) Clairv.	THKr	AnnBien	HeSc	OgMsTr	HgMs	Sil	MsHr	R	–
994.	<i>Myosoton aquaticum</i> (L.) Moench	HKr	Per	ScHe	Og-MsTr	MsHg	PalPr	MsEuHr	O	–
995.	<i>Oberna behen</i> (L.) Ikonn.	HKrCh	Per	ScHe	MsTr	XMs	RuSMnPr	MsEuHr	S	–
996.	<i>O. procumbens</i> (Murr.) Ikonn.	HKr	Per	ScHe	OgMsTr	Ms	PsPr	MsHr	O	–
997.	<i>O. scerei</i> (Baumg.) Ikonn.	T	Bien	He	MsTr	MsX	PtSt	MsHr	S	–
998.	<i>Orites artemisetorum</i> Klokov	THKr	AnnBien	He	AlkMsTr	MsX	HalSt	MsHr	VR	ERL R RBDR 4
999.	<i>O. borysthenica</i> (Grun.) Klokov	HKr	Per	He	MsOgTr	XMs	StPs	MsHr	S	–
1000.	<i>O. chersonensis</i> (Zapal.) Klokov	THKr	AnnBien	He	OgMsTr	XMs	StPt	MsEuHr	O	–
1001.	<i>O. maeotica</i> Klokov	HKr	Bien	He	MsOgTr	MsX	StPs	OgHr	VR	–
1002.	<i>O. media</i> (Litv.) Klokov	HKr	Per	He	OgMsTr	XMs	StPs	MsHr	R	–
1003.	<i>O. wolgensis</i> (Homem.) Grossh.	T	AnnBien	He	MsTr	MsX	PtSt	MsHr	R	–
1004.	<i>Paronychia cephalotes</i> (M. Bieb.) Besser	Ch	SFr	He	MsTr	MsX	CaPt	OgHr	VR	RBDR 1
1005.	<i>Psammophilella muralis</i> (L.) Ikonn.	T	Ann	He	MsOgTr	Ms	RuPrPs	MsEuHr	S	–
1006.	<i>Pleconax subconica</i> (Friv.) Surcova	T	Ann	He	OgMsTr	Ms	RuPrPs	MsHr	R	–
1007.	<i>Sagina nodosa</i> (L.) Fenzl	HKr	Per	He	MsTr	HgMs	Pr	OgHr	R	RBDR 2
1008.	<i>S. procumbens</i> L.	ChHKr	Per	ScHe	MsMgTr	HgMs	PaPalPr	OgHr	R	–
1009.	<i>Saponaria officinalis</i> L.	HKr	Per	ScHe	OgMsTr	Ms	RuSMnPr	MsEuHr	S	Adv
1010.	<i>Scleranthus annuus</i> L.	T	Ann	He	OgMsTr	XMs	PsStRu	EuHr	S	Adv
1011.	<i>Silene chlorantha</i> (Willd.) Ehrh.	HKr	Per	ScHe	OgMsTr	XMs	PsSilSt	MsEuHr	R	–
1012.	<i>S. dichotoma</i> Ehrh.	THKr	AnnBien	He	MsTr	XMs	StRu	MsEuHr	S	–
1013.	<i>S. gallica</i> L.	THKr	AnnBien	ScHe	MsTr	Ms	Ru	EuHr	R	Adv
1014.	<i>S. longiflora</i> Ehrh.	HKr	Per	He	MsTr	X	PtSt	MsHr	O	–
1015.	<i>S. multiflora</i> (Waldst. et Kit.) Pers.	HKr	Per	He	AlkMsTr	XMs	HalPrSt	MsHr	R	–
1016.	<i>S. nutans</i> L.	HKr	Per	ScHe	OgMsTr	XMs	SMnPs	OgHr	VR	RBDR 4
1017.	<i>S. procumbens</i> Murr.	HKr	Per	ScHe	MsTr	Ms	PrPs	OgHr	VR	–
1018.	<i>S. sibirica</i> (L.) Pers.	HKr	Per	He	AlkTr	XMs	PrSt	OgMsHr	R	–
1019.	<i>S. supina</i> M. Bieb.	Ch	Per	ScHe	OgMsTr	MsX	PsPt	OgMsHr	VR	RBDR 4
1020.	<i>S. tatarica</i> (L.) Pers.	ChHKr	Per	ScHe	OgMsTr	XMs	SMnPsPr	OgMsHr	R	–
1021.	<i>Spergula arvensis</i> L.	T	Ann	ScHe	OgMsTr	MsX	PsRu	EuHr	R	Adv
1022.	<i>S. media</i> (L.) C. Presl	HKr	Per	He	AlkTr	HgMs	HalPr	MsEuHr	S	–
1023.	<i>S. rubra</i> Pers.	THKr	Ann Bien	He	MsTr	MsX	HalPrPs	MsEuHr	R	–
1024.	<i>S. salina</i> J. Presl et C. Presl	THKr	Per	He	AlkTr	Ms	PrHal	OgMsHr	S	–
1025.	<i>Stellaria graminea</i> L.	HKr	Per	ScHe	MsTr	Ms	SiSMnPr	OgMsHr	S	–
1026.	<i>S. hippoctona</i> (Czem.) Klokov	HKr	Per	ScHe	MgTr	Ms	SilPr	OgMsHr	S	–
1027.	<i>S. holostea</i> L.	ChHKr	Per	HeSc	MsTr	Ms	Sil	OgMsHr	S	–
1028.	<i>S. neglecta</i> Weihe	THKr	AnnBien	ScHe	MgMsTr	HgMs	SilRu	MsEuHr	R	–
1029.	<i>S. nemorum</i> L.	HKr	Per	Sc	MgMsTr	HgMs	Sil	AOgHr	VR	RBDR 4
1030.	<i>S. palustris</i> Retz.	HKr	Per	He	MsMgTr	Hg	PalPr	OgHr	VR	RBDR 4
1031.	<i>Steris viscaria</i> (L.) Raf.	HKr	Per	ScHe	OgMsTr	XMs	PsSil	MsHr	S	–
1032.	<i>Vaccaria hispanica</i> (Mill.) Rauschert	T	Ann	He	MsTr	XMs	Ru	EuHr	S	–
Celastraceae										
1033.	<i>Euonymus europaea</i> L.	nPh	Fr	HeSc	MsTr	Ms	SMnSil	MsEuHr	O	–
1034.	<i>E. verrucosa</i> Scop.	nPh	Fr	HeSc	MsTr	Ms	SMnSil	MsEuHr	O	–
Ceratophyllaceae										
1035.	<i>Ceratophyllum demersum</i> L.	HKr	Per	Sc	AlkMgTr	Hyer	Aq	Og-PHr	O	–
1036.	<i>C. pentacanthum</i> Haynald	HKr	Per	Sc	MgTr	Hyer	Aq	MsHr	R	RBDR 3
1037.	<i>C. submersum</i> L.	HKr	Per	Sc	MgTr	Hyer	Aq	Og-EuHr	R	–
1038.	<i>C. tanaiticum</i> Sapjieg.	HKr	Per	HeSc	MgTr	Hyer	Aq	OgHr	R	ERL R RBDR 1
Chenopodiaceae										
1039.	<i>Atriplex aucheri</i> Moq.	T	Ann	He	AlkTr	MsX	Hal	MsHr	VR	Adv
1040.	<i>A. hortensis</i> L.	T	Ann	ScHe	AlkMsTr	Ms	CuHalRu	EuHr	S	Adv
1041.	<i>A. littoralis</i> L.	T	Ann	He	AlkTr	Ms-Hg	Hal	MsHr	R	–
1042.	<i>A. micrantha</i> C.A. Mey.	T	Ann	He	AlkMsTr	HgMs	RuHalPr	MsEuHr	O	Adv
1043.	<i>A. oblongifolia</i> Waldst. et Kit	T	Ann	He	MsTr	HgMs	RuHalPs	OgHr	R	–
1044.	<i>A. patens</i> (Litv.) Iljin	T	Ann	He	AlkTr	XMs	HalRu	MsEuHr	S	–
1045.	<i>A. patula</i> L.	T	Ann	He	MsTr	XMs	Ru	MsEuHr	S	–
1046.	<i>A. prostrata</i> Boucher ex DC.	T	Ann	ScHe	AlkMsTr	XMs	RuHalPr	MsEuHr	O	Adv
1047.	<i>A. rosea</i> L.	T	Ann	He	OgMsTr	XMs	Ru	EuHr	S	–
1048.	<i>A. sagittata</i> Borkh	T	Ann	He	AlkMsTr	MsHg	HalPrRu	MsEuHr	S	Adv
1049.	<i>A. tatarica</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	O	Adv
1050.	<i>Bassia sedoides</i> (Pall.) Asch.	T	Ann	He	AlkTr	MsX	StRuHal	MsEuHr	O	–
1051.	<i>Camphorosma annua</i> Pall.	T	Ann	He	AlkTr	MsX	Hal	OgHr	R	–
1052.	<i>C. monspeliaca</i> L.	ChHKr	sFr	He	AlkTr	MsX	Hal	OgHr	VR	RBDR 4
1053.	<i>C. songorica</i> Bunge	T	Ann	He	AlkTr	Ms-Hg	PrHal	OgHr	R	–
1054.	<i>Ceratocarpus arenarius</i> L.	T	Ann	ScHe	OgMsTr	MsX	RuStPs	MsEuHr	R	–
1055.	<i>Chenopodium acerifolium</i> Andrz.	T	Ann	ScHe	OgTr	MsX	Ps	AOgHr	VR	–
1056.	<i>Ch. album</i> L.	T	Ann	ScHe	MsTr	MsX	Ru	EuHr	VO	–
1057.	<i>Ch. chenopodioides</i> (L.) Aellen	T	Ann	He	AlkTr	HgMs	Hal	MsHr	R	–
1058.	<i>Ch. foliosum</i> Asch.	T	Ann	ScHe	OgMsTr	MsX	RuPsPt	OgHr	VR	–

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robry	Occurrence	Rare, adventive species
1059.	<i>Ch. glaucum</i> L.	T	Ann	He	AlkTr	MsHg	PrRuHal	MsEuHr	O	–
1060.	<i>Ch. hybridum</i> L.	T	Ann	HeSc	MsTr	XMs	SilRu	MsEuHr	R	Adv
1061.	<i>Ch. opulifolium</i> Schrad.	T	Ann	He	MsTr	MsX	Ru	EuHr	O	Adv
1062.	<i>Ch. polyspermum</i> L.	T	Ann	HeSc	OgMsTr	XMs	RuSMnPs	MsHr	S	Adv
1063.	<i>Ch. rubrum</i> L.	T	Ann	ScHe	OgMsTr	HgMs	RuPs	MsEuHr	S	Adv
1064.	<i>Ch. strictum</i> Roth	T	Ann	ScHe	OgMsTr	MsX	RuPs	MsEuHr	R	Adv
1065.	<i>Ch. suecicum</i> J. Murr.	T	Ann	ScHe	MsTr	Ms	RuPs	MsEuHr	R	Adv
1066.	<i>Ch. urbicum</i> L.	T	Ann	He	MsTr	Ms	Ru	EuHr	O	–
1067.	<i>Ch. vulvaria</i> L.	T	Ann	He	MsTr	Ms	Ru	EuHr	VR	Adv
1068.	<i>Corispermum hyssopifolium</i> L.	T	Ann	ScHe	OgTr	XMs	RuSilPs	MsHr	R	Adv
1069.	<i>C. marschallii</i> Stev.	T	Ann	He	OgMsTr	HgMs	Ps	AOgHr	VR	–
1070.	<i>C. nitidulum</i> Klokov	T	Ann	ScHe	OgMsTr	MsX	StPs	MsHr	R	–
1071.	<i>Halimione pedunculata</i> (L.) Aell.	T	Ann	He	AlkTr	XMs	Hal	OgMsHr	R	–
1072.	<i>H. verrucifera</i> (M. Bieb.) Aell.	T	Ann	He	AlkTr	Ms	Hal	OgMsHr	R	–
1073.	<i>Kochia laniflora</i> (S. G. Gmel.) Borb	T	Ann	ScHe	OgTr	MsX	RuSilPs	MsEuHr	S	Adv
1074.	<i>K. prostrata</i> Schrad.	Ch	Per	He	OgMsTr	X	HalStPt	MsHr	S	–
1075.	<i>K. scoparia</i> (L.) Schrad.	T	Ann	He	OgMsTr	MsX	PtRu	EuHr	S	Adv
1076.	<i>Krascheninnikovia ceratoides</i> (L.) Gueldenst.	Ch	Per	He	MsTr	X	PtSt	OgMsHr	R	RBDR 2
1077.	<i>Petrosimonia triandra</i> (Pall.) Simonk	T	Ann	He	AlkTr	MsX	StHal	OgMsHr	S	–
1078.	<i>Polycnemum arvense</i> L.	T	Ann	He	MsTr	X	RuPtSt	MsEuHr	S	Adv
1079.	<i>P. majus</i> A. Draun	T	Ann	He	MsTr	X	RuPtSt	MsEuHr	S	–
1080.	<i>Salicornia prostrata</i> Pall.	T	Ann	He	AlkTr	MsHg	Hal	MsHr	S	–
1081.	<i>Salsola soda</i> L.	T	Ann	He	AlkTr	Ms	Hal	OgHr	R	–
1082.	<i>S. tragus</i> L.	T	Ann	He	MsTr	X	RuPtPs	MsEuHr	S	–
1083.	<i>Suaeda acuminata</i> (L.) Pall.	T	Ann	He	AlkTr	XMs	Hal	OgHr	R	RBDR 0
1084.	<i>S. altissima</i> (C.A. Mey.) Moq.	T	Ann	He	AlkTr	Ms	Hal	OgHr	VR	–
1085.	<i>S. baccifera</i> Pall.	T	Ann	He	AlkTr	Ms	Hal	AOgHr	R	–
1086.	<i>S. prostrata</i> Pall.	T	Ann	He	AlkTr	HgMs	Hal	MsHr	O	–
Clusiaceae										
1087.	<i>Hypericum elegans</i> Stephan ex Willd.	HKr	Per	He	MsTr	MsX	PtSt	MsHr	O	–
1088.	<i>H. hirsutum</i> L.	HKr	Per	HeSc	MgTr	XMs	SMnSil	OgMsHr	R	–
1089.	<i>H. perforatum</i> L.	HKr	Per	ScHe	OgMsTr	Ms	SMnPsStPr	MsHr	O	–
Convolvulaceae										
1090.	<i>Cahystegia sepium</i> (L.) R. Br.	HKr	Per	ScHe	MsTr	MsHg	PrPal	OgMsHr	O	–
1091.	<i>Convolvulus arvensis</i> L.	G	Per	ScHe	MsTr	MsX	Ru	MsEuHr	VO	–
1092.	<i>C. lineatus</i> L.	G	Per	He	CaMsTr	X	StPtCa	OgMsHr	S	RBDR 3
1093.	<i>Ipomoea purpurea</i> (L.) Roth.	T	Ann	ScHe	MgTr	Ms	CuRu	EuHr	R	Adv
Cornaceae										
1094.	<i>Cornus mas</i> L.*	Ph	Fr	HeSc	MsTr	Ms	SilCuRu	MsEuHr	VR	Adv
1095.	<i>Swida alba</i> (L.) Opiz.	Ph	Fr	HeSc	MsTr	Ms	CuRu	EuHr	S	Adv
1096.	<i>S. sanguinea</i> (L.) Opiz.	Ph	Fr	HeSc	MsTr	Ms	SMnSil	Og-EuHr	S	–
Corylaceae										
1097.	<i>Carpinus betulus</i> L.	Ph	Arb	ScHe	MgTr	XMs	Sil	OgHr	VR	RBDR 3
1098.	<i>Corylus avellana</i> L.	Ph	Fr	HeSc	MsTr	Ms	Sil	OgMsHr	S	–
Crassulaceae										
1099.	<i>Hylotelephium argutum</i> (Haw.) Holub	G	Per	ScHe	OgMsTr	XMs	SilStPs	OgHr	R	–
1100.	<i>H. polonicum</i> (Blok) Holub	G	Per	ScHe	MsOgTr	XMs	SilPsPt	MsHr	O	–
1101.	<i>Sedum acre</i> L.	HKr	Per	ScHe	OgTr	XMs	PtPs	OgMsHr	O	–
1102.	<i>S. borissovae</i> Balk.	HKr	Per	He	OgMsTr	X	StPt	OgMsHr	R	WRL V RBDR 4
1103.	<i>S. rupestre</i> L.	G	Per	ScHe	MsOgTr	XMs	CuPtPs	MsEuHr	R	Adv
1104.	<i>S. sexangulare</i> L.	HKr	Per	He	OgTr	XMs	PtPs	OgMsHr	R	WRL V RBDR 2
1105.	<i>S. spurium</i> M. Bieb.	HKr	Per	He	OgTr	XMs	CuPt	MsEuHr	R	Adv
1106.	<i>Sempervivum ruthenicum</i> Schnittsp. et C.B. Lehm.	HKr	Per	ScHe	OgTr	XMs	SilPs	OgHr	R	RBDR 3
Cucurbitaceae										
1107.	<i>Bryonia alba</i> L.	G	Per	HeSc	MsTr	Ms	SilRu	MsEuHr	R	Adv
1108.	<i>B. dioica</i> L.*	G	Per	HeSc	MsTr	Ms	SilRu	EuHr	VR	Adv
1109.	<i>Echinocystis lobata</i> (Michx.) Torr. et Gray	T	Ann	ScHe	MsTr	Ms	CuRu	MsEuHr	S	Adv
1110.	<i>Thladiantha dubia</i> Bunge	G	Per	HeSc	MsTr	Ms	CuRu	EuHr	VR	Adv
Cuscutaceae										
1111.	<i>Cuscuta approximata</i> Bab.	T	Ann	He	Par	Ms	Ru	MsEuHr	S	Adv
1112.	<i>C. campestris</i> Yunck.	T	Ann	He	Par	Ms	PrRu	MsEuHr	S	Adv
1113.	<i>C. cesatiana</i> Bertol.	T	Ann	He	Par	Ms	Ru	MsEuHr	S	Adv
1114.	<i>C. epithymum</i> (L.) L.	T	Ann	He	Par	Ms	Ru	MsEuHr	S	–
1115.	<i>C. epilinum</i> Weihe.	T	Ann	He	Par	Ms	Ru	MsEuHr	S	–
1116.	<i>C. europaea</i> L.	T	Ann	He	Par	HgMs	Ru	MsEuHr	S	–
1117.	<i>C. lupuliformis</i> Krock.	T	Ann	He	Par	Ms	SilRu	MsEuHr	S	–
1118.	<i>C. monogyna</i> Vahl	T	Ann	HeSc	Par	Ms	SilRu	MsEuH	R	–
Dipsacaceae										
1119.	<i>Cephalaria uralensis</i> (Murrey) Roem et Schult	HKr	Per	He	CaMsTr	X	StPt	MsHr	O	–
1120.	<i>Dipsacus laciniatus</i> L.	HKr	Bien	ScHe	MgTr	Ms	RuSMnPr	OgMsHr	R	–
1121.	<i>D. strigosus</i> Willd. ex Roem	HKr	Bien	HeSc	MgTr	HgMs	RuSil	MsEuHr	S	–
1122.	<i>D. sylvestris</i> Huds.	HKr	Bien	ScHe	MsTr	HgMs	RuPrSil	MsEuHr	VR	–
1123.	<i>Knautia arvensis</i> (L.) Coult.	HKr	Per	He	MsTr	XMs	StPrSMn	MsHr	S	–
1124.	<i>Scabiosa micrantha</i> Desf.	HKr	Per	He	MsTr	Ms	Ru	EuHr	R	Adv
1125.	<i>S. ochroleuca</i> L.	HKr	Per	ScHe	MsTr	MsX	PsPrSt	MsHr	O	–
1126.	<i>S. ucrainica</i> L.	HKr	Bien	He	OgTr	MsX	StPtPs	MsHr	R	–
1127.	<i>Succia pratensis</i> Momch.	HKr	Per	ScHe	MsTr	XMs	Pr	AOgHr	VR	–
Droseraceae										
1128.	<i>Aldrovanda vesiculosa</i> L.	Hd	Per	ScHe	MsTr	Hy er	Aq	OgHr	VR	RBU 3 RBDR 1

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-roby	Occurrence	Rare, adventive species
1129.	<i>Drosera rotundifolia</i> L.	HKr	Per	He	MsTr	MsHg	Pal	AHr	VR	RBDR 0
Elaeagnaceae										
1130.	<i>Elaeagnus angustifolia</i> L.	Ph	FrArb	He	AlkMsTr	X-HgMs	SMnPrCuRu	MsEuHr	VO	Adv Inv
1131.	<i>E. commutata</i> L.	Ph	FrArb	He	AlkMsTr	X-HgMs	CuRu	MsEuHr	S	Adv
1132.	<i>Hippophaë rhamnoides</i> L.	Ph	ArbFr	He	OgMsTr	Ms	SilCuRu	EuHr	S	Adv
Elatinaceae										
1133.	<i>Elatine alsinastrum</i> L.	T	Ann	ScHe	MsTr	Hy	PalAq	OgHr	VR	RBDR 3
Ericaceae										
1134.	<i>Vaccinium myrtillus</i> L.	Ch	SFr	Sc	MsTr	Ms	Sil	AOgHr	VR	RBDR 0
1135.	<i>V. vitis-idaea</i> L.	Ch	SFr	HeSc	MsTr	Ms	Sil	AOgHr	VR	RBDR 0
Euphorbiaceae										
1136.	<i>Acalypha australis</i> L.	T	Ann	HeSc	MsTr	Ms	Ru	EuHr	VR	Adv
1137.	<i>Euphorbia agraria</i> M. Bieb.	HKr	Per	ScHe	AlkMsTr	X	RuSt	MsEuHr	O	–
1138.	<i>E. canescens</i> L.	T	Ann	He	AlkMsTr	XM	HalRu	EuHr	VR	Adv
1139.	<i>E. chamaesyce</i> L.	T	Ann	ScHe	AlkMsTr	X	StRu	EuHr	VR	Adv
1140.	<i>E. cyparissias</i> L.	HKr	Per	He	Og-MsTr	XM	RuPsSt	MsEuHr	R	–
1141.	<i>E. dentata</i> Mschx.	T	Ann	He	MsTr	MsX	Ru	EuHr	VR	Adv
1142.	<i>E. esula</i> L.	HKr	Per	He	MgTr	Ms	RuPr	OgMsHr	VR	–
1143.	<i>E. glyptosperma</i> Engelm.*	T	Ann	He	MsTr	MsX	Ru	EuHr	VR	Adv
1144.	<i>E. helioscopia</i> L.	T	Ann	ScHe	MsTr	MsX	Ru	EuHr	VR	Adv
1145.	<i>E. humifusa</i> Willd. ex Schlecht.	T	Ann	ScHe	AlkMsTr	X	StRu	EuHr	R	–
1146.	<i>E. kaleniczenkoi</i> Czern.	HKr	Per	He	MgTr	MsX	RuStPr	MsEuHr	R	–
1147.	<i>E. leptocaula</i> L.	T	Ann	ScHe	MsTr	XM	PtSt	OgHr	VR	–
1148.	<i>E. lucida</i> Waldst. et Kit.	HKr	Per	ScHe	MsTr	HgMs	Pr	OgHr	R	–
1149.	<i>E. maculata</i> L.*	T	Ann	He	MsTr	MsX	Ru	EuHr	VR	Adv
1150.	<i>E. marginata</i> Purch.*	T	Ann	He	MsTr	Ms	CuRu	EuHr	S	Adv
1151.	<i>E. palustris</i> L.	HKr	Per	He	MgTr	MsHg	PalPr	OgMsHr	S	–
1152.	<i>E. pepelis</i> L.	T	Ann	He	AlkOgTr	Ms	HalPrPs	MsHr	R	Adv
1153.	<i>E. pepulus</i> L.	T	Ann	ScHe	MsTr	Ms	RuPs	EuHr	R	Adv
1154.	<i>E. salicifolia</i> Host	HKr	Per	ScHe	MsTr	MsX	RuPrSt	MsEuHr	R	Adv
1155.	<i>E. seguieriana</i> Nesk.	HKr	Per	He	MsOgTr	MsX	PtStPs	MsHr	O	–
1156.	<i>E. semivillosa</i> Prokh.	HKr	Per	ScHe	MsTr	Ms	PrSMn	MsHr	R	–
1157.	<i>E. stepposa</i> Zoz et Prokh.	HKr	Per	ScHe	MsTr	X	RuPtSt	MsEuHr	R	–
1158.	<i>E. subtilis</i> Prokh.	HKr	Per	ScHe	MsTr	Ms	St	MsHr	VR	–
1159.	<i>E. virgata</i> Wald. et Kit.	HKr	Per	ScHe	MsTr	Ms	RuSMnPr	MsEuHr	O	–
Fabaceae										
1160.	<i>Amorpha fruticosa</i> L.	nPh	Fr	ScHe	OgMsTr	MsX-Hg	CuRuSil	EuHr	VO	Adv Inv
1161.	<i>Anthyllis macrocephala</i> Wender	HKr	Per	ScHe	OgMgTr	XM	StPrSMn	MsHr	R	RBDR 4
1162.	<i>Astragalus abruptus</i> Krytzka	Ch	SFr	He	CaMsTr	X	StPt	OgHr	VR	–
1163.	<i>A. albidus</i> Waldst. et Kit.	Ch	SFr	He	CaMsTr	X	StPt	OgHr	VR	RBDR 4
1164.	<i>A. asper</i> Jacq.	HKr	Per	He	MsTr	X	PtSt	OgHr	R	RBDR 4
1165.	<i>A. ausriacus</i> Jacq.	HKr	Per	He	OgMsTr	MsX	PtSt	MsHr	O	–
1166.	<i>A. borysthenticus</i> Klokov	HKr	Per	He	OgTr	MsX	StPs	OgHr	O	ERL R RBU 3 RBDR 4
1167.	<i>A. cicer</i> L.	HKr	Per	ScHe	MsTr	XM	RuStPr	MsEuHr	O	RBDR 0
1168.	<i>A. contortuplicatus</i> L.	T	Ann	He	AlkMsTr	HgMs	HalPrPs	MsHr	VR	–
1169.	<i>A. corniculatus</i> M. Bieb.	Ch	SFr	He	MsTr	X	StPt	OgHr	R	–
1170.	<i>A. danicus</i> Retz.	HKr	Per	ScHe	MgMsTr	MsX	SMnPrSt	MsHr	R	RBDR 3
1171.	<i>A. dasyanthus</i> Pall.	HKr	Per	He	MsTr	X	SMnPtSt	OgHr	S	WRL R ERL I RBU 3 RBDR 2
1172.	<i>A. dolichophyllus</i> Pall.	HKr	Per	He	MsTr	X	St	OgHr	R	RBDR 3
1173.	<i>A. glycyphyllus</i> L.	HKr	Per	HeSc	MgTr	Ms	Sil	OgMsHr	S	–
1174.	<i>A. henningii</i> (Steven) Klokov	HKr	Per	He	MsTr	X	St	OgHr	VR	WRL R ERL R RBU 3 RBDR 2
1175.	<i>A. odessanus</i> Besser	Ch	SFr	He	CaMsTr	X	PtSt	OgHr	R	RBDR 3
1176.	<i>A. onobrychis</i> L.	HKr	Per	He	OgMsTr	X	PsPtCr	OgMsHr	O	–
1177.	<i>A. pallescens</i> M. Bieb.	HKr	Per	He	MsTr	MsX	StPtCr	OgHr	S	WRL I RBDR 3
1178.	<i>A. ponticus</i> Pall.	HKr	Per	He	MsTr	MsX	CrPtSt	OgMsHr	S	RBDR 3
1179.	<i>A. pubiflorus</i> M. Bieb.	HKr	Per	He	MsTr	X	PtSt	OgHr	R	RBDR 3
1180.	<i>A. sulcatus</i> L.	HKr	Per	ScHe	AlkMsTr	Ms	StSMnPr	MsHr	R	–
1181.	<i>A. tanaiticus</i> C. Koch.	HKrCh	Per	He	MsOgTr	MsX	StPtPs	AOgHr	VR	WRL V ERL I RBU 3 RBDR 0
1182.	<i>A. ucrainicus</i> M. Pop. et Klokov	HKr	Per	He	CaMsTr	MsX	St	MsHr	O	–
1183.	<i>A. utriger</i> Pall.	HKr	Per	He	CaMsTr	X	PtSt	AOgHr	VR	–
1184.	<i>A. varius</i> S. G. Gmel.	HKr	Per	He	OgTr	MsX	StPtPs	MsHr	S	–
1185.	<i>Calophaca wolgarica</i> (L. f.) DC.	Ph	Fr	He	CaMsTr	X	StPt	OgHr	VR	RBDR 1
1186.	<i>Caragana arborescens</i> Lam.	Ph	Fr	ScHe	MsTr	MsX	SilCu	EuHr	O	Adv
1187.	<i>C. frutex</i> (L.) K. Koch	Ph	Fr	He	MsTr	MsX	St	OgMsHr	O	–
1188.	<i>C. mollis</i> (M. Bieb.)	Ph	Fr	He	MsTr	MsX	PtSt	OgHr	R	Rec RBDR
1189.	<i>C. scythica</i> (Rjv.) Pojark.	Ph	Fr	He	MsTr	X	PtSt	OgHr	R	ERL R RBU 3 RBDR 2
1190.	<i>Chamecytiscus austriacus</i> (L.) Link.	Ch	Fr	ScHe	OgMsTr	MsX	SMnPsSt	MsHr	S	–
1191.	<i>Ch. borysthenticus</i> (Grun.) Klaskova	nPh	Fr	He	OgTr	MsX	Ps	OgMsHr	R	Rec RBDR
1192.	<i>Ch. graniticus</i> (Rehman) Rothm.	Ch	Fr	He	OgMsTr	MsX	Pt	OgHr	R	WRL R ERL R RBU 3 RBDR 1
1193.	<i>Ch. lindemaniai</i> (V. Krecz.) Klaskova	Ch	Fr	ScHe	MsTr	XM	SMnSt	OgHr	VR	ERL R RBDR 4
1194.	<i>Ch. ruthenicus</i> (Fisch. ex Woloszcz.) Klaskova	nPh	Fr	ScHe	OgMsTr	MsX	SilPsPtSt	OgMsHr	O	–
1195.	<i>Colutea arborescens</i> L.	Ch	Fr	ScHe	MsTr	XM	CuRu	EuHr	R	–
1196.	<i>Galega officinalis</i> L.	HKr	Per	ScHe	AlkMgTr	HgMs	HalSilPr	OgH	VR	RBDR 0
1197.	<i>Genista scythica</i> Pacz.	Ch	Fr	He	CaOgTr	X	Ps	OgH	R	RBU 4 RBDR 2
1198.	<i>G. sibirica</i> L.	Ch	Fr	He	OgTr	MsX	Ps	OgHr	R	RBDR 2

No.	Species within families	Climamorphs	Biomorphs	Heliomorphs	Trophomorphs	Hygromorphs	Cenomorphs	Hememorphs	Occurrence	Rare, adventive species
1199.	<i>G. tanaïtica</i> L.	Ch	Fr	He	CaMsTr	MsX	PtCa	OgHr	R	RBDR 2
1200.	<i>G. tinctoria</i> L.	nPh	Fr	ScHe	MsOgTr	XMs	PrPsSMn	MsHr	O	–
1201.	<i>Glycyrriza echinata</i> L.	G	Per	He	AlkMgTr	XMs	RuHalPr	MsHr	R	RBDR 3
1202.	<i>G. glabra</i> L.	G	Per	He	AlkMsTr	XMs	PsStHal	MsEuHr	R	RBU 4 RBDR 3
1203.	<i>Hedysarum grandiflorum</i> Pall.	HKr	Per	HeSc	CaMsT	MsX	CrStPt	OgHr	VR	RBDR 3
1204.	<i>Lathyrus hirsutum</i> L.	T	Ann	ScHe	MsTr	MsX	SilRu	MsEuHr	VR	–
1205.	<i>L. incurvus</i> (Roth) Roth	G	Per	He	AlkMsTr	XMs	HalPr	OgHr	R	RBDR 4
1206.	<i>L. lacteus</i> (M. Bieb.) Wissjul.	G	Per	ScHe	MsTr	Ms	PrSt	OgHr	R	–
1207.	<i>L. niger</i> (L.) Bernh.	HKr	Per	HeSc	MsMgT	Ms	Sil	AOgHr	VR	RBDR 4
1208.	<i>L. pallescens</i> (M. Bieb.) K. Koch	HKr	Per	ScHe	MsT	XMs	StSMn	OgHr	R	–
1209.	<i>L. palustris</i> L.	HKr	Per	He	MsTr	Ms	HalPr	MsHr	VR	RBDR 0
1210.	<i>L. pisiformis</i> L.	G	Per	HeSc	MsMgT	MsX	Sil	OgHr	VR	RBDR 4
1211.	<i>L. pratensis</i> L.	GHKr	Per	He	MgTr	Ms	SMnPr	MsHr	S	–
1212.	<i>L. rotundifolius</i> Willd.	HKr	Per	ScHe	MgTr	Ms	Sil	OgHr	VR	RBDR 1
1213.	<i>L. sativus</i> L.	T	Ann	He	MsTr	Ms	CuRu	EuHr	R	–
1214.	<i>L. sylvestris</i> L.	HKr	Per	ScHe	MsTr	Ms	SilSMn	OgMsHr	S	–
1215.	<i>L. tuberosus</i> L.	G	Per	He	MsMgTr	MsX	RuPrSt	MsEuHr	O	Adv
1216.	<i>L. vernus</i> (L.) Bernh.	G	Per	HeSc	MsTr	Ms	SilSMn	OgHr	VR	RBDR 4
1217.	<i>Lotus praetermissus</i> Kuprian.	T	Ann	He	OgTr	Ms	Ps	OgMsHr	R	–
1218.	<i>L. tenuis</i> Waldst. et Kit.	HKr	Per	He	AlkMsTr	Ms	PsHalPr	OgMsHr	R	–
1219.	<i>L. ucrainicus</i> Klokov	HKr	Per	He	MgMsTr	XMs	StPr	MsEuHr	VO	–
1220.	<i>Lupinus polyphyllus</i> Lindl.	HKr	Per	He	MgTr	Ms	CuRu	EuHr	R	–
1221.	<i>Medicago falcata</i> L.	THKr	AnnBien	He	OgTr	MsX	SilPs	MsHr	S	–
1222.	<i>M. kotovii</i> Wissjul.	HKr	Per	He	OgTr	MsX	PtPs	OgMsHr	R	–
1223.	<i>M. lupulina</i> L.	THKr	AnnBien	He	MsMgTr	Ms	RuSMnPr	MsEuHr	O	–
1224.	<i>M. minima</i> (L.) Bartalini	THKr	AnnBien	He	OgMsTr	X	PsStPr	MsEuHr	R	–
1225.	<i>M. romanica</i> Prod.	HKr	Per	He	MsTr	MsX	PrPtSt	OgMsHr	VO	–
1226.	<i>M. sativa</i> L.	HKr	Per	He	MgTr	MsX	CuRuPr	EuHr	S	Adv
1227.	<i>Melilotus albus</i> Medik.	HKr	Bien	He	MsTr	MsX	RuPrSt	MsEuHr	O	–
1228.	<i>M. dentatus</i> (Waldst. et Kit.) Pers.	HKr	Bien	He	AlkMsTr	Ms	PrHal	MsHr	S	–
1229.	<i>M. officinalis</i> (L.) Pall.	HKr	Bien	He	MsTr	XMs	RuPrSt	MsEuHr	O	–
1230.	<i>M. wolgicus</i> Poir.	HKr	Bien	He	AlkMsTr	MsX	HalPrSt	MsHr	R	–
1231.	<i>Onobrychis arenaria</i> (Kit.) DC.	HKr	Per	He	MsTr	XMs	PrStSMn	MsHr	R	–
1232.	<i>O. tanaïtica</i> Spreng.	HKr	Per	ScHe	MsTr	MsX	St	MsHr	O	–
1233.	<i>O. vicifolia</i> Scop.	HKr	Per	He	MsTr	XMs	RuStPrCu	EuHr	O	Adv
1234.	<i>Ononis arvensis</i> L.	HKr	Per	He	AlkMgTr	Ms	HalPr	MsEuHr	O	–
1235.	<i>Ornithopus perpusillus</i> L.	T	Ann	He	MsTr	XMs	RuPsSt	MsHr	R	Adv
1236.	<i>Oxytropis pilosa</i> DC.	HKr	Per	He	MsTr	X	St	MsHr	O	–
1237.	<i>Robinia pseudoacacia</i> L.	Ph	Arb	He	Og-MgTr	X-Ms	SilCu	Ms-PHr	O	Adv
1238.	<i>R. viscosa</i> Vent.*	Ph	Arb	He	Og-MgTr	X-Ms	SilCu	MsEuHr	VR	Adv
1239.	<i>S. varia</i> (L.) Lassen	G	Per	ScHe	MgTr	Ms	StSMnPr	MsEuHr	O	–
1240.	<i>Trifolium alpestre</i> L.	HKr	Per	He	MgTr	XMs	SMnStPr	MsEuHr	R	–
1241.	<i>T. ambiguum</i> M. Bieb.	HKr	Per	He	MgTr	Ms	RuHalPr	MsEuHr	S	–
1242.	<i>T. arvense</i> L.	T	Ann	He	MsTr	MsX	RuPsSt	MsEuHr	S	–
1243.	<i>T. aureum</i> L.	T	Ann	ScHe	MsTr	Ms	SMnPr	OgMsHr	R	–
1244.	<i>T. borysthenticum</i> Grun.	HKr	Per	He	AlkMsTr	XMs	HalPr	MsHr	S	–
1245.	<i>T. campestre</i> Schreb	T	Ann	ScHe	MsTr	XMs	SilPr	MsHr	S	–
1246.	<i>T. diffusum</i> Ehrh.	T	Ann	He	AlkMsTr	MsX	StHalPr	MsHr	R	–
1247.	<i>T. fragiferum</i> L.	HKr	Per	He	AlkTr	HgMs	HalPr	MsEuHr	O	–
1248.	<i>T. hybridum</i> L.	HKr	Bien	He	OgMsTr	HgMs	SMnPr	MsHr	S	Adv
1249.	<i>T. medium</i> L.	G	Per	ScHe	MgTr	Ms	SMnPr	MsHr	O	–
1250.	<i>T. montanum</i> L.	HKr	Per	HeSc	MgTr	XMs	SMnPr	MsHr	O	–
1251.	<i>T. pratense</i> L.	HKr	Per	He	MgTr	Ms	RuSMnPr	MsEuHr	VO	–
1252.	<i>T. repens</i> L.	HKr	Per	He	MgTr	HgMs	RuPr	MsEuHr	VO	–
1253.	<i>T. sativum</i> (Schreb) Crome	HKr	Bien	He	MsTr	Ms	PrCuL	EuHr	R	Adv
1254.	<i>Trigonella caerulea</i> (L.) Ser.	T	Ann	He	MsTr	Ms	RuPr	EuHr	S	Adv
1255.	<i>T. monspeliaca</i> L.	T	Ann	He	MsTr	X	HalPs	OgHr	R	–
1256.	<i>T. procumbens</i> (Besser) Rchb.	T	Ann	He	AlkOgTr	XMs	HalPs	MsHr	R	–
1257.	<i>Vicia angustifolia</i> Reichard	T	Ann	He	MsMgTr	XMs	RuSMnPr	MsEuHr	O	Adv
1258.	<i>V. brennis</i> L.	HKr	Per	ScHe	MgTr	Ms	Pr	OgHr	R	–
1259.	<i>V. cracca</i> L.	HKr	Per	He	MsTr	HgMs	PrSt	MsEuHr	VO	–
1260.	<i>V. grandiflora</i> Scop.	HKr	Bien	He	MsTr	Ms	SMnPr	MsHr	R	–
1261.	<i>V. hirsuta</i> (L.) S.F. Grag	T	Ann	ScHe	MsTr	MsX	RuStSMn	MsEuHr	O	Adv
1262.	<i>V. pannonica</i> Crantz	T	Ann	He	MsTr	MsX	RuPr	MsEuHr	S	–
1263.	<i>V. picta</i> L.	HKr	Per	He	MsTr	HgMs	Pr	MsHr	R	–
1264.	<i>V. pisiformis</i> L.	HKr	Per	He	MsTr	Ms	SMnSil	OgMsHr	S	–
1265.	<i>V. sativa</i> L.	T	Ann	He	AlkOgMsTr	XMs	CuRu	EuHr	R	Adv
1266.	<i>V. sepium</i> L.	HKr	Per	He	OgMsTr	Ms	PrSMnSil	MsHr	R	–
1267.	<i>V. sordida</i> Waldst. et Kit.	T	Ann	He	MsTr	XMs	Ru	EuHr	R	–
1268.	<i>V. tenuiflora</i> Roth.	HKr	Per	He	MgTr	MsX	SMnStPr	MsHr	O	–
1269.	<i>V. tetrasperma</i> (L.) Schreb.	T	Ann	ScHe	MgTr	XMs	RuSMnPr	MsEuHr	O	Adv
1270.	<i>V. varia</i> Host	THKr	AnnBien	He	MsTr	XMs	SMnPrSt	MsHr	VR	–
1271.	<i>V. villosa</i> Roth.	HKr	AnnBien	ScHe	MgTr	XMs	RuSMnPr	MsEuHr	O	Adv
Fagaceae										
1272.	<i>Quercus robur</i> L.	Ph	Arb	ScHe	AlkOgMgTr	MsXMsHg	Sil	A-EuHr	VO	–
Frankeniaceae										
1273.	<i>Frankenia hirsuta</i> L.	HKr	Per	He	MgTr	Ms	Hal	OgHr	R	RBDR 3
Fumariaceae										
1274.	<i>Corydalis cava</i> (L.) Schweigg. et Korte	G	Per	ScHe	MgTr	Ms	Sil	OgHr	VR	RBDR 2
1275.	<i>C. marschalliana</i> (Pall. ex Willd.) Pers.	G	Per	ScHe	MgTr	Ms	Sil	OgHr	R	RBDR 2

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Hemero-broy	Occurrence	Rare, adventive species
1276.	<i>C. paczoskii</i> N. Busch	G	Per	ScHe	MsTr	XMs	StSil	OgHr	R	–
1277.	<i>C. solida</i> (L.) Clairv.	G	Per	ScHe	MgTr	Ms	StSMn	MsHr	O	–
1278.	<i>Fumaria officinalis</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	VO	Adv
1279.	<i>F. parviflora</i> Lam.	T	Ann	He	MsTr	MsX	Ru	EuHr	VR	Adv
1280.	<i>F. schleicheri</i> Soy.-Willem.	T	Ann	He	MsTr	MsX	Ru	EuHr	O	Adv
1281.	<i>F. vailantii</i> Loisel.	T	Ann	He	MsTr	MsX	Ru	EuHr	VR	Adv
Gentianaceae										
1282.	<i>Centaurium erythraea</i> Rafn.	T	Ann	ScHe	OgMsTr	XMs	PtStPr	MsHr	R	–
1283.	<i>C. mejeri</i> (Bunge) Druce	T	Ann	ScHe	OgMsTr	Ms	HalPr	MsHr	R	–
1284.	<i>C. pulchellum</i> (Sw.) Druce	T	Ann	He	MsTr	MsHg	Pr	MsHr	R	–
1285.	<i>Gentiana pneumonante</i> L.	HKr	Per	ScHe	MsTr	MsHg	SilPalPr	OgMsHr	R	RBDR 2
Geraniaceae										
1286.	<i>Erodium cicutarium</i> (L.) L. Her.	T	Ann	ScHe	OgMsTr	XMs	SilPtStRu	MsEuHr	O	–
1287.	<i>E. cyconium</i> (L.) L. Her.	T	Ann	He	OgMsTr	MsX	RuPsSt	MsHr	S	–
1288.	<i>E. neilreichii</i> Janka	T	Ann	He	OgTr	XMs	PtPs	OgHr	VR	–
1289.	<i>E. ruthenicum</i> M. Bieb.	HKr	Per	He	OgTr	X	PtPs	OgHr	R	–
1290.	<i>Geranium collinum</i> Steph.	HKr	Per	ScHe	AlkTr	Hg-XMs	PalHalPr	MsHr	O	–
1291.	<i>G. divaricatum</i> Ehrh.	T	Ann	ScHe	OgMsTr	XMs	RuSil	MsEuHr	S	–
1292.	<i>G. molle</i> L.	T	Ann	He	MsTr	XMs	SilRu	MsHr	VR	Adv
1293.	<i>G. palustre</i> L.	HKr	Per	ScHe	MsTr	MsHg	PrPal	OgHr	R	RBDR 1
1294.	<i>G. pratense</i> L.	HKr	Per	HeSc	MsTr	Ms	PrSMn	OgHr	R	RBDR 4
1295.	<i>G. pusillum</i> L.	T	Ann	He	MsTr	MsX	Ru	EuHr	O	Adv
1296.	<i>G. robertianum</i> L.	T	Ann	ScHe	OgMsTr	XMs	PtPsSil	OgMsHr	O	–
1297.	<i>G. sanguineum</i> L.	G	Per	ScHe	OgTr	XMs	PtSil	OgHr	R	–
1298.	<i>G. silvaticum</i> L.	G	Per	ScHe	MgTr	Ms	PtSil	OgHr	VR	RBDR 1
Grossulariaceae										
1299.	<i>Ribes aureum</i> Pursh	nPh	Fr	ScHe	MsTr	Ms	SMnCuRu	EuHr	R	Adv
1300.	<i>R. nigrum</i> L.	nPh	Fr	ScHe	MsTr	Ms	SMnCuRu	EuHr	R	Adv
Haloragaceae										
1301.	<i>Myriophyllum spicatum</i> L.	HKr	Per	ScHe	MsTr	Hy r	Aq	Og-EuHr	O	–
1302.	<i>M. verticillatum</i> L.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	S	–
Hippuridaceae										
1303.	<i>Hippuris vulgaris</i> L.	G	Per	HeSc	MsTr	HelHy r	PalAq	AOgHr	VR	RBDR 4
Juglandaceae										
1304.	<i>Juglans regia</i> L.	Ph	Arb	He	MsMgTr	Ms	SMnCuRu	EuHr	S	Adv
Lamiaceae										
1305.	<i>Acinos arvensis</i> (Lam.) Dandy	THKr	AnnBien	ScHe	MsTr	MsX	RuPtSt	MsEuHr	O	–
1306.	<i>A. villosus</i> Pers.	THKr	AnnBien	ScHe	MsTr	MsX	PtSt	MsEuHr	R	–
1307.	<i>Ajuga chia</i> Schreb.	THKr	AnnBien	ScHe	MsTr	X	RuSt	MsEuHr	O	–
1308.	<i>A. genevensis</i> L.	G	Per	ScHe	MsTr	XMs	StSMnPr	MsHr	S	–
1309.	<i>A. laxmannii</i> (L.) Benth.	G	Per	ScHe	MsTr	MsX	CrPtSt	MsHr	R	RBDR 4
1310.	<i>A. reptans</i> L.	HKr	Per	ScHe	MsTr	Ms	PrSil	OgHr	VR	RBDR 0
1311.	<i>Ballota nigra</i> L.	HKr	Per	ScHe	MsTr	Ms	SilRu	Ms-PHr	VO	Adv
1312.	<i>Betonica officinalis</i> L.	HKr	Per	ScHe	OgTr	Ms	PrSil	OgHr	R	RBDR 3
1313.	<i>Chaiturus marrubiastrum</i> (L.) Reichenb.	THKr	AnnBien	ScHe	MsTr	Ms	RuPrSMn	MsEuHr	O	–
1314.	<i>Clinopodium vulgare</i> L.	HKr	Per	ScHe	MsTr	XMs	SilSMn	OgMsHr	R	–
1315.	<i>Dracocephalum thymiflorum</i> L.	THKr	AnnBien	ScHe	OgMsTr	MsX	StSilRu	EuMsHr	O	Adv
1316.	<i>Elsholtzia ciliata</i> (Thunb.) Hyl.	T	Ann	ScHe	MgTr	XMs	Ru	EuHr	R	Adv
1317.	<i>Galeopsis bifida</i> Boenn.	T	Ann	ScHe	Og-MsTr	Ms	RuPsSil	Og-EuHr	R	–
1318.	<i>G. ladanum</i> L.	T	Ann	He	MsTr	XMs	Ru	EuHr	R	Adv
1319.	<i>G. speciosa</i> Mill.	T	Ann	ScHe	MsTr	XMs	SMnRu	MsEuHr	R	–
1320.	<i>Glechoma hederacea</i> L.	HKr	Per	HeSc	MsTr	Ms	RuPrSil	Og-EuHr	O	–
1321.	<i>G. hirsuta</i> Waldst. et Kit.	HKr	Per	HeSc	MsTr	Ms	Sil	OgMsHr	R	–
1322.	<i>Hyssopus officinalis</i> L.	Ch	SFr	He	MsTr	X	CuRu	EuHr	R	–
1323.	<i>Lamium album</i> L.	G	Per	ScHe	MgMsTr	Ms	PrSil	MsEuHr	R	RBDR 4 Adv
1324.	<i>L. amplexicaule</i> L.	THKr	AnnBien	He	OgMsTr	XMs	StRu	MsEuHr	O	Adv
1325.	<i>L. maculatum</i> L.	HKr	Per	ScHe	MsTr	XMs	RuSil	MsEuHr	R	–
1326.	<i>L. paczoskianum</i> Worosch.	HKr	Per	ScHe	MsTr	XMs	RuPtSt	MsEuHr	S	–
1327.	<i>L. purpureum</i> L.	THKr	AnnBien	ScHe	MsTr	XMs	SMnRu	EuHr	O	Adv
1328.	<i>Leonurus cardiaca</i> L.	HKr	Per	ScHe	MgTr	XMs	SilSMnRu	MsEuHr	S	Adv
1329.	<i>L. glaucescens</i> Bunge	HKr	Per	He	MsTr	XMs	RuPtSt	MsEuHr	S	–
1330.	<i>L. villosus</i> Desf. ex D'Urv.	HKr	Per	He	MsTr	MsX	SMnRu	MsEuHr	VO	–
1331.	<i>Lycopus europaeus</i> L.	HKr	Per	ScHe	MgTr	MsHg	PrPal	MsEuHr	O	–
1332.	<i>L. exaltatus</i> L. f.	HKr	Per	ScHe	MgTr	MsHg	PrPal	MsEuHr	S	–
1333.	<i>Marrubium peregrinum</i> L.	HKr	Per	He	AlkTr	X	HalSt	OgHr	R	–
1334.	<i>M. praecox</i> Janka	HKr	Per	He	MsTr	X	RuSt	OgMsHr	O	–
1335.	<i>M. vulgare</i> L.	HKr	Per	He	MsTr	MsX	PtRu	MsEuHr	S	Adv
1336.	<i>Mentha arvensis</i> L.	HKr	Per	ScHe	MgTr	HgMs	RuPrSil	MsHr	O	–
1337.	<i>M. aquatica</i> L.	HKr	Per	ScHe	MgTr	Hg	PalAq	OgMsHr	O	–
1338.	<i>M. verticillata</i> L.	HKr	Per	He	MgTr	MsHg	PalPr	MsHr	S	–
1339.	<i>Nepeta cataria</i> L.	HKr	Per	ScHe	MsTr	XMs	RuStSil	MsEuHr	O	Adv
1340.	<i>N. pannonica</i> L.	HKr	Per	ScHe	OgMsTr	MsX	RuSMnSt	MsEuHr	O	–
1341.	<i>N. parviflora</i> M. Bieb.	HKr	Per	ScHe	OgMsTr	MsX	SMnSt	MsEuHr	O	–
1342.	<i>Origanum vulgare</i> L.	HKr	Per	ScHe	Og-MgTr	MsX	StSMnPr	OgMsHr	S	–
1343.	<i>Phlomis grandulifera</i> Klokov	HKr	Per	He	MsTr	X	PtSt	OgMsHr	VR	–
1344.	<i>Ph. pungens</i> Willd.	HKr	Per	He	MsTr	MsX	PtSt	MsHr	O	–
1345.	<i>Ph. hybrida</i> Zelen.	HKr	Per	He	MsTr	MsX	St	OgHr	R	–
1346.	<i>Ph. tuberosa</i> L.	HKr	Per	He	MsTr	MsX	PrSMnSt	MsHr	O	–
1347.	<i>Prunella grandiflora</i> (L.) Scholl.	HKr	Per	ScHe	MsTr	XMs	StSilPr	OgHr	VR	RBDR 4
1348.	<i>P. vulgaris</i> L.	HKr	Per	He	MgTr	Ms	RuPrSMn	MsEuHr	O	–



No.	Species within families	Climamorphs	Biomorphs	Heliomorphs	Trophomorphs	Hygromorphs	Cenomorphs	Hemero-robry	Occurrence	Rare, adventive species
1349.	<i>Salvia aethiopsis</i> L.	HKr	Bien	He	MsTr	X	RuPtSt	MsEuHr	S	–
1350.	<i>S. austriaca</i> Jacq.	HKr	Per	He	MsTr	MsX	PrSt	MsHr	R	RBDR 3
1351.	<i>S. betonicaefolia</i> Etl.	HKr	Per	He	MsTr	X	RuSt	MsHr	R	–
1352.	<i>S. nemorosa</i> L.	HKr	Per	He	MsTr	MsX	RuSMnPst	MsHr	VO	–
1353.	<i>S. nutans</i> L.	HKr	Per	He	MsTr	X	St	OgMsHr	O	–
1354.	<i>S. pratensis</i> L.	HKr	Per	He	MgTr	XMs	SilStPr	OgFr	VR	–
1355.	<i>S. sclarea</i> L.	HKr	AnnBien	He	MsTr	MsX	CuRu	EuHr	VR	–
1356.	<i>S. stepposa</i> Des-Schost.	HKr	Per	He	MsTr	X	St	MsHr	R	–
1357.	<i>S. reflexa</i> Hornem	T	Ann	ScHe	MsTr	MsX	Ru	EuHr	R	Adv
1358.	<i>S. verticillata</i> L.	HKr	Per	ScHe	MsTr	XMs	PrStRu	MsEuHr	O	–
1359.	<i>Scutellaria altissima</i> L.	HKr	Per	HeSc	MgTr	Ms	Sil	OgMsHr	R	RBDR 3
1360.	<i>S. dubia</i> Taliev et Sirj.	HKr	Per	He	MgTr	HgMs	Pr	OgFr	R	RBDR 4
1361.	<i>S. galericulata</i> L.	G	Per	ScHe	MgTr	Hg	PrPal	MsHr	R	–
1362.	<i>S. hastifolia</i> L.	HKr	Per	ScHe	MgTr	HgMs	PalPr	MsHr	R	–
1363.	<i>S. verna</i> Besser	HKr	Per	He	MsTr	MsX	CaPt	OgFr	VR	RBU 3 RBDR 0
1364.	<i>Sideritis comosa</i> (Rochel ex Benth) Stank.	T	Ann	He	Og-MsTr	X	RuPtSt	MsHr	R	–
1365.	<i>S. montana</i> L.	T	Ann	He	Og-MsTr	X	RuPtSt	MsEuHr	O	–
1366.	<i>Stachys annua</i> (L.) L.	T	AnnBien	He	MsTr	MsX	Ru	EuHr	O	Adv
1367.	<i>S. germanica</i> L.	HKr	PerBien	ScHe	MgTr	Ms	RuStSMn	MsEuHr	R	–
1368.	<i>S. palustris</i> L.	G	Per	ScHe	MgTr	Hg	PrPal	OgMsHr	S	–
1369.	<i>S. recta</i> L.	HKr	Per	He	OgTr	MsX	RuSMnSt	MsEuHr	O	–
1370.	<i>S. sylvatica</i> L.	HKr	Per	HeSc	MgTr	Ms	Sil	OgMsHr	R	–
1371.	<i>Teucrium chamaedrys</i> L.	Ch	Per	ScHe	OgMsTr	MsX	SMnPst	MsHr	O	–
1372.	<i>T. polium</i> L.	Ch	SFr	He	OgMsTr	X	StPt	OgMsHr	O	–
1373.	<i>T. scordium</i> L.	Ch	SFr	ScHe	MgTr	HgMs	PalHalPr	OgMsHr	S	–
1374.	<i>Thymus borysthenticus</i> Klokov et Shost.	Ch	Per	He	OgTr	X	Ps	OgMsHr	VR	–
1375.	<i>Th. calcareus</i> Klokov et Des.-Shost.	Ch	Per	He	CaMsTr	MsX	CrPt	OgMsHr	VR	–
1376.	<i>Th. dimorphus</i> Klokov et Des-Schost.	Ch	SFr	He	MsTr	MsX	PrPtSt	OgMsHr	R	RBDR 3
1377.	<i>Th. marschallianus</i> Willd.	Ch	SFr	He	MsTr	X	St	OgMsHr	S	–
1378.	<i>Th. moldavicus</i> Klokov	Ch	SFr	He	OgTr	X	CaPt	OgFr	VR	RBDR 0
1379.	<i>Th. pallasianus</i> Heinr. Braun	Ch	Per	ScHe	OgTr	MsX	SMnPst	OgMsHr	R	–
1380.	<i>Th. pseudograniticus</i> Klokov et Des-Schost.	Ch	SFr	He	MsTr	X	Pt	OgFr	R	–
Lentibulariaceae										
1381.	<i>Utricularia vulgaris</i> L.	HKr	Per	ScHe	MgTr	Hy er	Aq	OgFr	VR	RBDR 3
Limoniaceae										
1382.	<i>Goniolimon bessarianum</i> (Schult.) Kusn.	HKr	Per	He	OgMsTr	X	PsPtSt	MsHr	S	RBDR 4
1383.	<i>G. graminifolium</i> (Aiton) Boiss.	HKr	Per	He	OgMsTr	X	StPs	MsHr	VR	Rec RBDR
1384.	<i>G. tataricum</i> (L.) Boiss.	HKr	Per	He	OgMsTr	X	PtSt	MsHr	S	–
1385.	<i>Limonium alutaceum</i> (Steven) O. Kuntze	HKr	Per	He	AlkTr	HgMs	Hal	MsHr	S	–
1386.	<i>L. bungei</i> (Claus) Gamajun.	HKr	Per	ScHe	AlkMsTr	X	HalSt	MsHr	S	–
1387.	<i>L. caspium</i> (Willd.) Gams	HKr	Per	He	AlkTr	HgMs	Hal	MsHr	R	RBDR 3
1388.	<i>L. donetzicum</i> Klokov	HKr	Per	He	AlkTr	HgMs	Hal	MsHr	R	RBDR 4
1389.	<i>L. hypanicum</i> Klokov	HKr	Per	He	AlkTr	Ms	HalPr	OgMsHr	S	–
1390.	<i>L. gmelinii</i> (Willd.) O. Kuntze	HKr	Per	He	AlkTr	XMs	PrHal	MsHr	O	–
1391.	<i>L. platyphyllum</i> Lincz.	HKr	Per	He	AlkMsTr	X	HalSt	MsHr	S	–
1392.	<i>L. sareptanum</i> (A. Becker) Gams	HKr	Per	He	MsTr	X	St	OgFr	VR	–
1393.	<i>L. tomentellum</i> (Boiss.) O. Kuntze	HKr	Per	He	AlkTr	XMs	StHalPr	MsHr	S	–
Linaceae										
1394.	<i>Linum austriacum</i> L.	HKr	Per	He	MsTr	MsX	PtSt	MsHr	O	–
1395.	<i>L. catharticum</i> L.	T	AnnBien	ScHe	MsTr	HgMs	SilPr	MsHr	R	–
1396.	<i>L. czeniaevii</i> Klokov	HKr	Per	He	CaMsTr	X	PtSt	OgFr	S	RBDR 3
1397.	<i>L. flavum</i> L.	HKr	Per	He	MsTr	MsX	PtSt	OgMsHr	VR	–
1398.	<i>L. hirsutum</i> L.	HKr	Per	He	MsTr	MsX	PtSt	MsHr	O	–
1399.	<i>L. linearifolium</i> L.	Ch	SFr	He	CaMsTr	MsX	PtSt	MsHr	R	RBDR 4
1400.	<i>L. nervosum</i> L.	HKr	Ann	He	MsTr	MsX	St	MsHr	S	–
1401.	<i>L. perenne</i> L.	HKr	Per	He	MsTr	MsX	PrSMnSt	MsHr	O	–
1402.	<i>L. tenuifolium</i> L.	HKr	Per	He	CaMsTr	MsX	PtSt	MsHr	S	–
1403.	<i>L. ucrainicum</i> Czern.	Ch	SFr	He	CaMsTr	X	PtSt	OgFr	R	–
1404.	<i>Radiola linoides</i> Roth	T	Ann	ScHe	Og-MgTr	HgMs	SilPs	OgMsHr	VR	RBDR 1
Loranthaceae										
1405.	<i>Viscum album</i> L.	nPh	Fr	ScHe	Par	HgMs	Sil	Og-EuHr	S	–
Lythraceae										
1406.	<i>Lythrum hyssopifolia</i> L.	T	Ann	ScHe	OgMsTr	HgMs	PsPalPr	OgMsHr	R	–
1407.	<i>L. intermedium</i> Ledeb.	HKr	Per	ScHe	MgTr	MsHg	AqPalPr	MsHr	S	–
1408.	<i>L. salicaria</i> L.	HKr	Per	He	MgTr	MsHg	PrAqPal	OgMsHr	O	–
1409.	<i>L. tribracteatum</i> Salzm. ex Spreng.	T	Ann	ScHe	AlkMsTr	HgMs	PsHalPr	MsHr	VR	RBDR 4
1410.	<i>L. virgatum</i> L.	HKr	Per	He	MgTr	MsHg	AqPalPr	OgMsHr	S	–
1411.	<i>Middendorfia borystenica</i> (M. Bieb. ex Schrank) Trautv	T	Ann	He	MgTr	HgMs	PsHalPr	OgFr	R	–
1412.	<i>Peplis alternifolia</i> M. Bieb.	T	Ann	He	MgTr	MsHg	PrPal	OgMsHr	R	RBDR 4
1413.	<i>P. portula</i> L.	HKr	Ann	ScHe	MsTr	MsHg	PsPalPr	MsHr	R	–
Malvaceae										
1414.	<i>Abutilon theophrastii</i> Medik.	T	Ann	ScHe	MsTr	XMs	CuRu	EuHr	R	Adv
1415.	<i>Alcea pallida</i> (Waldst. et Kit. ex Willd.) Waldst. et Kit.	T	Ann	He	OgMsTr	MsX	PtSt	MsHr	R	RBDR 2
1416.	<i>A. rosea</i> L.	HKr	Per	He	MsTr	Ms	CuRu	EuHr	S	Adv
1417.	<i>A. rugosa</i> Alef.	HKr	Per	He	OgMsTr	MsX	RuSt	MsHr	R	RBDR 2
1418.	<i>Althaea armeniaca</i> Ten.	HKr	Per	He	AlkMgTr	Ms	HalPrRu	MsEuHr	VR	–
1419.	<i>A. officinalis</i> L.	HKr	Per	He	AlkMgTr	Ms	HalPalPr	OgMsHr	O	Adv
1420.	<i>Hibiscus trionum</i> L.	T	Ann	He	MsTr	Ms	CuRu	EuHr	VR	Adv
1421.	<i>Lavatera thuringiaca</i> L.	HKr	Per	ScHe	MgTr	MsX	RuStPr	OgMsHr	O	–

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robby	Occurrence	Rare, adventive species
1422.	<i>Malva mauritiana</i> L.	HKr	Bien.	ScHe	MsTr	XMs	CuRu	EuHr	R	Adv
1423.	<i>M. neglecta</i> Wallr.	HKr	Per	ScHe	MsTr	XMs	Ru	EuHr	O	Adv
1424.	<i>M. pusilla</i> Smith	T	Ann	ScHe	MsTr	XMs	Ru	EuHr	O	Adv
1425.	<i>M. sylvestris</i> L.	T	Ann	ScHe	MsTr	MsX	SilRu	AOgHr	VR	–
Menyanthaceae										
1426.	<i>Menyanthes trifoliata</i> L.	HKr	Per	He	MsTr	MsHg	PrPal	OgHr	VR	RBDR 0
1427.	<i>Nymphoides peltata</i> (S.G. Gmel.) O. Kuntze	HKr	Per	He	MsTr	Plr	Aq	OgMsHr	VR	RBDR 1
Mollugaceae										
1428.	<i>Mollugo cerviana</i> (L.) Ser.	T	Ann	He	OgTr	MsHg	RuPs	OgHr	VR	–
Monotropaceae										
1429.	<i>Monotropa hypopitys</i> L.	G	Per	Sc	SapOgTr	Ms	Sil	OgHr	VR	RBDR 3
Moraceae										
1430.	<i>Morus alba</i> L.	Ph	Arb	He	MsTr	Ms	CuSilRu	EuHr	O	Adv
Nyctaginaceae										
1431.	<i>Oxybaphus nictagineus</i> (Mich.) Sweet	HKr	Per	ScHe	MsTr	MsX	Ru	EuHr	S	Adv
Nymphaeaceae										
1432.	<i>Nuphar lutea</i> (L.) Smith	HKr	Per	He	MsTr	Plr	Aq	MsHr	S	RBDR 3
1433.	<i>Nymphaea alba</i> L.	HKr	Per	ScHe	MsTr	Plr	Aq	OgMsHr	R	RBDR 2
Oleaceae										
1434.	<i>Fraxinus excelsior</i> L.	Ph	Arb	ScHe	MsMgTr	MsXMsHg	Sil	OgMsHr	S	–
1435.	<i>Fraxinus pennsylvanica</i> Marschall	Ph	Arb	ScHe	MsMgTr	XMstHgMs	CuRuSil	EuHr	S	Adv
1436.	<i>Ligustrum vulgare</i> L.	Ph	Fr	ScHe	MsTr	MsX-Ms	CuRuPtSil	MsEuHr	S	–
Onagraceae										
1437.	<i>Chamerion angustifolium</i> Holub.	HKr	Per	He	OgMsTr	Ms	RuSilPs	OgMsHr	S	RBDR 3
1438.	<i>Epilobium hirsutum</i> L.	HKr	Per	He	MgTr	MsHg	PrPal	MsEuHr	O	–
1439.	<i>E. montanum</i> L.	HKr	Per	HeSc	OgMsTr	Ms	Sil	OgHr	VR	RBDR 2
1440.	<i>E. palustre</i> L.	HKr	Per	He	MgTr	MsHg	PrPal	OgHr	VR	RBDR 4
1441.	<i>E. parviflorum</i> Schreb.	HKr	Per	He	MsTr	Hg	PrPal	OgMsHr	R	–
1442.	<i>E. roseum</i> Schreb.	HKr	Per	ScHe	MgTr	HgMs	PalPr	OgHr	R	–
1443.	<i>E. tetragonum</i> L.	HKr	Per	ScHe	MsTr	MsHg	PrPal	OgMsHr	S	–
1444.	<i>Oenothera biennis</i> L.	HKr	Bien	ScHe	OgMsTr	XMs	PsRu	MsHr	O	Adv
1445.	<i>O. parviflora</i> L.	HKr	Bien	He	OgMsTr	XMs	CuRu	EuHr	VR	Adv
1446.	<i>O. villosa</i> Thunb.	HKr	Bien	He	OgTr	XMs	RuPs	MsEuH	VR	Adv
Orobanchaceae										
1447.	<i>Orobanche alba</i> Stephan ex Willd.	G	Per	ScHe	Par	MsX	PtSt	MsHr	O	–
1448.	<i>O. bartlingii</i> Griseb.	TG	AnnBien	Sc	OgTr	MsX	PtSt	MsHr	VR	–
1449.	<i>O. caryophylla</i> Smith	G	Per	ScHe	Par	MsX	PtStMn	OgMsHr	R	–
1450.	<i>O. coerulescens</i> Stephan	G	Per	He	Par	MsX	PtStPs	OgMsHr	R	–
1451.	<i>O. cumana</i> Wallr.	TG	AnnBien	He	Par	Ms	HalRu	MsEuHr	O	Adv
1452.	<i>O. elatior</i> Sutton	G	Per	He	Par	MsX	PtStPs	OgMsHr	R	–
1453.	<i>O. lutea</i> Baumg.	G	Per	He	Par	MsX	PtSt	OgMsHr	VR	–
1454.	<i>Phelipanche arenaria</i> (Borkh.) Walp.	G	AnnPer	He	Par	MsX	StPs	OgHr	VR	–
1455.	<i>Ph. lanuginosa</i> (C.A. Mey.) Sojak	TG	AnnPer	ScHe	Par	X	RuSt	MsHr	VR	–
1456.	<i>Ph. purpurea</i> (Jacq.) Sojak	G	Per	Hc	MsMgTr	Ms	RuSt	MsHr	VR	–
1457.	<i>Ph. ramosa</i> (L.) Pomel.	T	Ann	He	Par	X	Ru	MsHr	S	Adv
Oxalidaceae										
1458.	<i>Xanthoxalis corniculata</i> (L.) Small	THKr	AnnBien	ScHe	MsTr	Ms	Ru	MsEuHr	S	Adv
1459.	<i>X. dillenii</i> (Jacq.) Holub.	THKr	AnnPer	ScHe	MsTr	Ms	Ru	MsEuHr	S	Adv
1460.	<i>X. stricta</i> (L.) Small	THKr	AnnBien	ScHe	MsTr	MsX	SilPsRu	MsEuHr	S	Adv
Paoniaceae										
1461.	<i>Paonia tenuifolia</i> L.	G	Per	He	MsTr	MsX	St	OgHr	VR	RBU 2 RBDR 1
Papaveraceae										
1462.	<i>Chelidonium majus</i> L.	HKr	Per	HeSc	MsMgTr	Ms	RuSil	Og-EuHr	VO	–
1463.	<i>Eschscholzia californica</i> Cham.	T	Ann	He	MsTr	XMs	CuRu	EuHr	S	Adv
1464.	<i>Glaucium corniculatum</i> (L.) J. Rudolph	THKr	AnnBien	ScHe	OgMsTr	MsX	SMnStRu	MsEuHr	O	–
1465.	<i>Papaver dubium</i> L.	T	Ann	He	CaMsTr	MsX	RuPtSt	MsEuHr	S	Adv
1466.	<i>P. rhoeas</i> L.	HKr	Per	He	MsTr	MsX	PtStRu	MsEuHr	S	Adv
Phytolaccaceae										
1467.	<i>Phytolacca americana</i> L.	HKr	Per	ScHe	MsTr	MsX	Ru	EuHr	VR	Adv
Peganiaceae										
1468.	<i>Peganum harmala</i> L.	HKr	Per	He	MsTr	X	StRu	MsEuHr	VR	–
Plantaginaceae										
1469.	<i>Plantago arenaria</i> Waldst. et Kit.	T	Ann	He	OgTr	MsX	RuPs	MsEuHr	S	–
1470.	<i>P. cornuti</i> Gousn.	HKr	Per	He	AlkTr	Ms	HalPr	OgMsHr	S	–
1471.	<i>P. intermedia</i> DC.	HKr	Per	ScHe	MsMgTr	XMs	StHalPr	MsEuHr	S	–
1472.	<i>P. lanceolata</i> L.	HKr	Per	He	MsTr	XMs	StPr	MsHr	S	–
1473.	<i>P. lanceolata</i> subsp. <i>lanuginosa</i> (Bast.) Arcang.	HKr	Per	He	OgMsTr	XMs	RuPsSt	MsEuHr	O	–
1474.	<i>P. major</i> L.	HKr	BienPer	He	MgTr	Ms	RuPr	Og-EuHr	VO	–
1475.	<i>P. maxima</i> Juss. ex Jacq.	HKr	Per	He	AlkTr	Ms	HalPr	MsHr	VR	–
1476.	<i>P. media</i> L.	HKr	Per	He	MgTr	MsX	RuSilPrSt	OgMsHr	O	–
1477.	<i>P. salsa</i> Pall.	HKr	Per	He	AlkTr	MsHg	PrHal	MsHr	R	–
1478.	<i>P. schwarzenbergiana</i> Chur.	HKr	Per	He	AlkMsTr	XMs	PrHal	OgHr	VR	ERL 1 RBDR 1
1479.	<i>P. tenuiflora</i> Waldst. et Kit.	HKr	AnnBien	He	AlkTr	XMs	PrHal	OgHr	R	–
1480.	<i>P. urvillei</i> Opiz	HKr	Per	He	MsTr	X	PtSt	OgMsHr	O	–
Polygalaceae										
1481.	<i>Polygala comosa</i> Schruhr	HKr	Per	ScHe	MsTr	Ms	PrSMn	MsHr	S	–
1482.	<i>P. moldavica</i> Kotov	HKr	Per	ScHe	MsTr	X	PrSt	AOgHr	VR	–
1483.	<i>P. podolica</i> DC.	HKr	Per	ScHe	MsTr	MsX	SMnPrSt	OgMsHr	O	–
Polygonaceae										

No.	Species within families	Climamorphs	Biomorphs	Heliomorphs	Trophomorphs	Hygromorphs	Cenomorphs	Hememorphs	Occurrence	Rare, adventive species
1484.	<i>Aconogonon alpinum</i> (All.) Schur.	HKr	Per	He	MsTr	MsX	PrPt	AOgHr	VR	–
1485.	<i>Bistorta officinalis</i> Delarbe	HKr	Per	ScHe	MsTr	HgMs	PalPrSMn	OgHr	VR	Rec RBDR
1486.	<i>Fagopyrum esculentum</i> Moench	T	Ann	He	MsTr	MsX	CuRu	EuHr	S	Adv
1487.	<i>F. tataricum</i> (L.) P. Gaerthn.	T	Ann	He	MsTr	MsX	CuRu	EuHr	VR	Adv
1488.	<i>Fallopia convolvulus</i> (L.) A. Love	T	Ann	ScHe	MsTr	XMs	Ru	MsEuHr	O	Adv
1489.	<i>F. dumetorum</i> (L.) Holub.	T	Ann	ScHe	OgMsTr	Ms	RuPsSMn	MsEuHr	S	–
1490.	<i>Persicaria alpinum</i> All.	HKr	Per	He	MsTr	MsX	RuPtSt	AOgHr	VR	–
1491.	<i>P. amphibia</i> (L.) Delarbre	HKr	Per	ScHe	MsTr	PlrHg	AqPal	Og-EuHr	S	–
1492.	<i>P. dubia</i> (Stein) Fourr.	T	Ann	ScHe	MgTr	XMs	PrHal	OgHr	VR	ERL I RBDR 4
1493.	<i>P. hydropiper</i> L.	T	Ann	ScHe	MsTr	HgMs	RuSilPalPr	OgMsHr	S	–
1494.	<i>P. hypanica</i> (Klokov) Tzevel	T	Ann	He	AlkTr	MsHg	PsPrHal	MsHr	R	–
1495.	<i>P. lapathifolia</i> (L.) Delarbe	T	Ann	He	OgTr	HgMs	PalPr	MsEuHr	S	–
1496.	<i>P. lapathifolia subsp. andrzejowskiana</i> (Klokov) Sojak	T	Ann	He	OgAlkTr	HgMs	PsPrHal	AOgHr	VR	–
1497.	<i>P. maculosa</i> S.F. Gray	T	Ann	He	MsTr	Ms	RuPr	MsHr	O	–
1498.	<i>P. minor</i> (Huds.) Opiz	T	Ann	ScHe	OgMsTr	MsHg	PsPalPr	OgHr	R	–
1499.	<i>P. orientalis</i> (L.) Spach	T	Ann	ScHe	MsTr	Ms	CuRu	EuHr	R	Adv
1500.	<i>P. saporoviensis</i> (Klokov) Tzevel	T	Ann	He	MsTr	HgMs	SMnPr	MsHr	VR	–
1501.	<i>P. scabra</i> (Moench) Moldenke	T	Ann	He	MgTr	XMs	RuPr	MsEuHr	O	–
1502.	<i>Polygonum arenarium</i> Waldst. et Kit.	T	Ann	He	OgTr	Ms	SilPs	MsHr	S	–
1503.	<i>P. aviculare</i> L.	T	Ann	ScHe	MsTr	XMs	Ru	MsEuHr	VO	–
1504.	<i>P. bellardii</i> All.	T	Ann	He	MsTr	X	Ru	MsEuHr	R	–
1505.	<i>P. hypanicum</i> Klokov	T	Ann	He	AlkTr	Ms	HalPr	MsHr	R	–
1506.	<i>P. novoscanicum</i> Klokov	T	Ann	He	OgTr	XMs	StPs	MsHr	R	–
1507.	<i>P. pulchellum</i> Loisel.	T	Ann	He	AlkTr	XMs	HalPs	AOgHr	VR	–
1508.	<i>Reynoutria japonica</i> Houtt.*	HKr	Per	He	MsTr	Ms	CuRu	EuHr	VR	Adv
1509.	<i>R. sacharinensis</i> (F. Schmidt. ex Maxim.) Nacai	HKr	Per	He	MsTr	Ms	CuRu	EuHr	VR	Adv
1510.	<i>Rumex acetosa</i> L.	G	Per	He	MgTr	Ms	SMnPr	MsHr	R	–
1511.	<i>R. acetosella</i> L.	HKr	Per	ScHe	OgMsTr	XMs	RuPtStPs	MsEuHr	O	–
1512.	<i>R. aquaticus</i> L.	HKr	Per	ScHe	MgTr	MsHg	PalPrSMn	OgHr	VR	–
1513.	<i>R. confertus</i> Willd.	HKr	Per	ScHe	MsTr	Ms	RuPrSMn	MsEuHr	O	–
1514.	<i>R. crispus</i> L.	HKr	Per	He	MsTr	Ms	RuPr	MsEuHr	O	–
1515.	<i>R. hydrolapatum</i> Huds.	HKr	Per	He	MsTr	Hg	AqPal	OgMsHr	R	–
1516.	<i>R. longifolius</i> DC.	HKr	Per	He	MsTr	Ms	RuSMnPr	MsEuHr	R	Adv
1517.	<i>R. maritimus</i> L.	HKr	Per	He	AlkTr	HgMs	HalPr	MsHr	S	–
1518.	<i>R. marschallianus</i> Rchb.*	T	Ann	He	AlkTr	Ms	HalPr	OgHr	VR	–
1519.	<i>R. obtusifolius subsp. sylvestris</i> (Lam.) Wallr.	HKr	Per	ScHe	MgTr	Ms	RuSil	Og-EuHr	VR	–
1520.	<i>R. patientia subsp. orientalis</i> Danser	HKr	Per	He	MsTr	MsX	HalStRu	MsEuHr	O	Adv
1521.	<i>R. stenophyllus</i> Ledeb.	HKr	Per	ScHe	MgTr	Ms	HalPr	MsHr	O	–
1522.	<i>R. thyrsiflorus</i> Fingerh.	HKr	Per	ScHe	MgTr	HgMs	SMnHalPr	MsHr	S	–
1523.	<i>R. ucrainicus</i> Fisch. ex Spreng.	HKr	Per	He	AlkTr	Ms	PrHal	OgMsHr	VR	ERL I RBDR 3
Portulacaceae										
1524.	<i>Portulaca oleracea</i> L.	T	Ann	ScHe	MsTr	XMs	Ru	EuHr	O	Adv
Primulaceae										
1525.	<i>Anagallis arvensis</i> L.	THKr	AnnBien	He	MsTr	MsX	Ru	MsEuHr	R	Adv
1526.	<i>A. foemina</i> Mill.	THKr	AnnBien	He	MsTr	MsX	Ru	MsEuHr	R	Adv
1527.	<i>Androsace elongata</i> L.	T	Ann	He	MsTr	XMs	RuSt	MsEuHr	S	–
1528.	<i>A. maxima</i> L.	T	Ann	He	MsTr	XMs	RuSt	MsEuHr	S	–
1529.	<i>Centunculus minimus</i> L.	T	Ann	ScHe	OgTr	MsHg	PsPrPal	AOgHr	VR	RBDR 0
1530.	<i>Glaux maritima</i> L.	HKr	Per	ScHe	AlkTr	HgMs	PrHal	MsHr	S	–
1531.	<i>Hottonia palustris</i> L.	HKr	Per	ScHe	MsTr	Hy r	AqPal	AOgHr	VR	RBDR 3
1532.	<i>Lysimachia nummularia</i> L.	HKr	Per	ScHe	MgTr	HgMs	SilPr	OgMsHr	S	–
1533.	<i>L. vulgaris</i> L.	HKr	Per	ScHe	MgTr	MsHg	Pal	OgMsHr	O	–
1534.	<i>Naumburgia thyrsoflora</i> (L.) Rchb.	HKr	Per	ScHe	MsTr	Hg	Pal	OgMsHr	R	RBDR 3
1535.	<i>Primula veris</i> L.	HKr	Per	ScHe	MsTr	Ms	PrSil	A-MsHr	VR	RBDR 0
Pyrolaceae										
1536.	<i>Pyrola rotundifolia</i> L.	HKr	Per	HeSc	MsTr	Ms	Sil	AOgHr	VR	RBDR 0
Ranunculaceae										
1537.	<i>Aconitum nemorosum</i> M. Bieb. ex Rchb.	HKr	Per	HeSc	MgTr	Ms	Sil	OgHr	VR	RBDR 2
1538.	<i>A. rogoviczii</i> Wissjul.	HKr	Per	ScHe	MsTr	Ms	PrSil	OgHr	VR	RBDR 1
1539.	<i>Actaea spicata</i> L.	HKr	Per	Sc	MgTr	Ms	Sil	AOgHr	VR	RBDR 0
1540.	<i>Adonis aestivalis</i> L.	HKr	Per	He	MsTr	MsX	RuSt	AOgHr	VR	Adv
1541.	<i>A. vernalis</i> L.	HKr	Per	He	MsTr	MsX	St	OgHr	S	RBU 4 RBDR 2
1542.	<i>A. wolgensis</i> L.	HKr	Per	He	MsTr	MsX	St	OgHr	S	RBU 4 RBDR 2
1543.	<i>Anemone nemorosa</i> L.	G	Per	HeSc	MsTr	Ms	Sil	AOgHr	VR	RBDR 0
1544.	<i>A. ranunculoides</i> (L.) Holub.	G	Per	HeSc	MgTr	Ms	Sil	OgMsHr	R	RBDR 3
1545.	<i>A. sylvestris</i> L.	HKr	Per	HeSc	MsTr	Ms	SilSt	OgHr	R	RBDR 2
1546.	<i>Batrachium circinatum</i> (Sibth.) Spach	HKr	Per	HeSc	AlkTr	Hy r	Aq	OgMsHr	R	–
1547.	<i>B. rionii</i> (Lagger) Nym.	HKr	Per	HeSc	MsTr	Hy r	Aq	OgHr	R	RBDR 2
1548.	<i>B. trichophyllum</i> (Chaix) Bosch	HKr	Per	ScHe	MsTr	Hy r	Aq	MsEuHr	S	–
1549.	<i>Caltha palustris</i> L.	HKr	Per	He	MsTr	Hg	PrPal	OgMsHr	S	RBDR 3
1550.	<i>Ceratocephala testiculata</i> (Crantz) Besser	T	Ann	He	MsTr	MsX	RuSt	EuHr	O	–
1551.	<i>Clematis integrifolia</i> L.	HKr	Per	He	MsTr	XMs	StSMn	OgHr	R	RBDR 3
1552.	<i>C. recta</i> L.	nPh	Fr	He	MsTr	Ms	Sil	AOgHr	VR	–
1553.	<i>C. orientalis</i> L.	nPh	Fr	He	OgTr	MsX	PsRu	EuHr	VR	Adv
1554.	<i>C. vitalba</i> L.	nPh	Fr	He	MsTr	MsX	SilPrRu	EuHr	VR	Adv
1555.	<i>Consolida ajacis</i> (L.) Schur	T	Ann	ScHe	MsTr	MsX	CuRu	EuHr	O	Adv
1556.	<i>C. orientalis</i> (J. Gay ex Gnen et Godr.) Schrodingtr	T	Ann	He	MsTr	MsX	CuRu	MsEuHr	R	–
1557.	<i>C. paniculata</i> (Host) Schur	T	Ann	He	MsTr	MsX	StRu	MsEuHr	S	–
1558.	<i>C. regalis</i> S.F. Gray	T	Ann	ScHe	MsTr	MsX	StRu	MsEuHr	O	Adv

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-roby	Occurrence	Rare, adventive species
1559.	<i>Delphinium cuneatum</i> Stev. ex DC.	HKr	Per	ScHe	OgTr	Ms	SMnSil	OgHr	VR	RBDR 1
1560.	<i>Ficaria verna</i> Rchb.	G	Per	HeSc	MgTr	XMs	PrSil	OgHr	VR	–
1561.	<i>F. stepporum</i> P. Smirn.	G	Per	ScHe	MgTr	XMs	StSilRu	MsEuHr	S	–
1562.	<i>F. verna</i> Huds.	G	Per	HeSc	MgTr	Ms	Sil	OgHr	S	–
1563.	<i>Myosurus minimus</i> L.	T	Ann	He	AlkTr	Ms	RuHalPr	MsHr	S	–
1564.	<i>Nigella arvensis</i> L.	T	Ann	He	MsTr	MsX	RuSt	MsEuHr	O	Adv
1565.	<i>Pulsatilla grandis</i> Wend.	HKr	Per	He	MsTr	XMs	PstPrSMn	OgHr	VR	RBU 2 RBDR 2
1566.	<i>P. patens</i> (L.) Mill.	HKr	Per	ScHe	OgTr	XMs	SsPr	AOgHr	VR	RBDR 0
1567.	<i>P. pratensis</i> (L.) Mill.	HKr	Per	ScHe	OgMsTr	XMs	StPsPr	OgMsHr	S	RBU 2 RBDR 3
1568.	<i>Ranunculus acris</i> L.	HKr	Per	ScHe	MsTr	HgMs	SMnPr	OgMsHr	R	–
1569.	<i>R. auricomus</i> L.	HKr	Per	ScHe	MgTr	Ms	SilPr	OgHr	VR	RBDR 2
1570.	<i>R. cassubicus</i> L.	HKr	Per	ScHe	MgMsTr	HgMs	PrSil	OgHr	VR	RBDR 0
1571.	<i>R. flammula</i> L.	HKr	Per	He	MsTr	HgMs	PalPr	OgHr	VR	RBDR 4
1572.	<i>R. illiricus</i> L.	G	Per	ScHe	MgMsTr	XMs	PrSt	OgMsHr	S	–
1573.	<i>R. lingua</i> L.	HKr	Per	ScHe	MsTr	MsHg	PrPal	OgHr	VR	RBDR 3
1574.	<i>R. oxyspermus</i> Willd.	HKr	Per	He	MsTr	Ms	St	OgHr	R	–
1575.	<i>R. pedatus</i> Waldst. et Kit.	G	Per	ScHe	MgTr	XMs	StSMnPr	OgMsHr	R	–
1576.	<i>R. polyanthemus</i> L.	HKr	Per	ScHe	MgMsTr	XMs	StSMnPr	MsHr	S	–
1577.	<i>R. polyphyllus</i> Waldst. et Kit. ex Willd.	HKr	Per	ScHe	MsTr	Hg-Hy	PalAq	OgHr	VR	RBDR 2
1578.	<i>R. polyphizos</i> Sthpan ex Willd.	HKr	Per	He	AlkTr	MsX	HalSt	AOgHr	VR	–
1579.	<i>R. repens</i> L.	HKr	Per	ScHe	MgTr	HgMs	PalPr	Og-EuHr	O	–
1580.	<i>R. sardous</i> Crantz	HKr	Per	ScHe	MgTr	Ms	RuPr	MsEuHr	VR	–
1581.	<i>R. sceleratus</i> L.	T	Ann	ScHe	MgMsTr	HgMs	PrPal	MsEuHr	O	–
1582.	<i>R. scyticus</i> Klokov	G	Per	He	MsTr	MsX	PrPtSt	OgHr	R	–
1583.	<i>R. trachycarpus</i> Fisch. et C.A. Mey.	T	Ann	ScHe	MsTr	Ms	Ru	EuHr	VR	Adv
1584.	<i>Thalictrum aquilegifolium</i> L.	HKr	Per	ScHe	MgTr	Ms	PrSil	AOgHr	VR	–
1585.	<i>Th. flavum</i> L.	HKr	Per	ScHe	MgMsTr	Hg	PalPr	OgMsHr	R	–
1586.	<i>Th. foetidum</i> L.	HKr	Per	He	CaMsTr	MsX	CaPt	OgHr	VR	–
1587.	<i>Th. lucidum</i> L.	HKr	Per	ScHe	MgTr	Hg	Pr	OgHr	VR	RBDR 3
1588.	<i>Th. minus</i> L.	HKr	Per	ScHe	MsTr	MsX	SMnSt	MsHr	O	–
1589.	<i>Th. simplex</i> L.	HKr	Per	ScHe	MgMsTr	Ms	StSMnPr	OgMsHr	S	–
Resedaceae										
1590.	<i>Reseda inodora</i> Rchb.	T	Ann	He	MsTr	X	RuStPt	MsEuHr	S	Adv
1591.	<i>R. lutea</i> L.	T	Ann	He	MsTr	XMs	RuPtSt	MsEuHr	O	Adv
Rhamnaceae										
1592.	<i>Fragula alnus</i> Mill.	nPh	Per	HeSc	Og-MgTr	Ms-Hg	SMnSil	OgMsHr	S	–
1593.	<i>Rhamnus catartica</i> L.	nPh	Per	ScHe	MgMsTr	XMs	SilSMn	MsHr	O	–
Rosaceae										
1594.	<i>Agrimonia eupatoria</i> L.	HKr	Per	ScHe	MgMsTr	XMs	SMnSt	Og-EuHr	O	–
1595.	<i>A. grandis</i> Andr. ex C. A. Mey.	HKr	Per	ScHe	MsTr	XMs	SMn	OgMsHr	R	–
1596.	<i>Amygdalus nana</i> L.	Ch	Fr	He	MsTr	MsX	SMnSt	OgMsHr	S	RBDR 3
1597.	<i>Armeniaca vulgaris</i> Lam.	Ph	Arb	He	OgMsTr	MsX	RuSilCu	EuHr	O	Adv
1598.	<i>Cerasus avium</i> (L.) Moench	Ph	Arb	ScHe	MgMsTr	Ms	SilCu	EuHr	O	–
1599.	<i>C. fruticosa</i> (Pall.) Woronow	nPh	Fr	ScHe	MsTr	MsX	StSMn	OgMsHr	R	Rec RBDR
1600.	<i>C. mahaleb</i> (L.) Mill.	Ph	ArbFr	ScHe	MsTr	MsX	CuRuSMn	MsEuHr	S	Adv
1601.	<i>C. tomentosa</i> (Tumb.) Wall.	nPh	Fr	ScHe	OgMsTr	MsX	SMnCu	MsEuHr	R	Adv
1602.	<i>C. vulgaris</i> Mill.	Ph	Arb	ScHe	MgTr	XMs	RuCu	EuHr	R	Adv
1603.	<i>Cotoneaster intergerrimus</i> Medik.	nPh	Fr	He	MsTr	MsX	Pt	OgMsHr	VR	–
1604.	<i>C. melanocarpus</i> Fisch ex Blüth	nPh	Fr	He	MsTr	MsX	StPt	OgMsHr	S	RBDR 3
1605.	<i>Crataegus curvisepala</i> Lindm.	nPh	Fr	ScHe	MsTr	MsX	StSMnSil	OgMsHr	R	–
1606.	<i>C. fallacina</i> Klokov	nPh	Fr	ScHe	MgMsTr	MsX	SilSMnPtSt	MsEuHr	VO	–
1607.	<i>C. leiomogyna</i> Klokov	Ph	ArbFr	ScHe	MsTr	MsX	SilSMnPtSt	MsHr	S	–
1608.	<i>C. microphylla</i> K. Koch	Ph	Fr	ScHe	MsTr	XMs	Sil	MsHr	VR	–
1609.	<i>C. pentagyna</i> Waldst. et Kit	Ph	Fr	ScHe	MsTr	MsX	SMnSil	MsHr	S	RBDR 1
1610.	<i>C. popovii</i> Chrshan.	nPh	Fr	ScHe	CaMsTr	MsX	PtSt	MsHr	VR	–
1611.	<i>C. subrotunda</i> Klokov	nPh	ArbFr	ScHe	MsTr	X	StSil	MsHr	VR	–
1612.	<i>Duchesnea indica</i> (Andrews) Focke	HKr	Per	ScHe	MsTr	XMs	CulRu	EuHr	VR	Adv
1613.	<i>Filipendula ulmaria</i> (L.) Maxim.	G	Per	HeSc	MgTr	MsHg	SMnPalPr	OgMsHr	S	–
1614.	<i>F. vulgaris</i> Moench	HKr	Per	He	MsTr	MsX	PrStSMn	OgMsHr	S	–
1615.	<i>Fragaria campestris</i> Steven	HKr	Per	ScHe	MsTr	XMs	PrSMnSt	OgMsHr	S	–
1616.	<i>F. ananassa</i> Duch.	HKr	Per	HeSc	MgTr	Ms	CulRu	EuHr	R	Adv
1617.	<i>F. vesca</i> L.	HKr	Per	HeSc	MgTr	Ms	Sil	OgHr	VR	RBDR 1
1618.	<i>F. viridis</i> Duch.	HKr	Per	ScHe	MsTr	XMs	StSMn	MsHr	O	–
1619.	<i>Geum aleppicum</i> Jacq.	HKr	Per	ScHe	MsTr	Ms	RuSil	AOgHr	VR	RBDR 0
1620.	<i>G. rivale</i> L.	HKr	Per	ScHe	MsTr	HgMs	SMnPr	AOgHr	R	RBDR 0
1621.	<i>G. urbanum</i> L.	HKr	Per	ScHe	OgMsTr	Ms	RuSil	MsEuHr	VO	–
1622.	<i>Malus domestica</i> Borkh.	Ph	Arb	ScHe	MsTr	Ms	CulRu	EuHr	R	Adv
1623.	<i>M. praecox</i> (Pall.) Borkh.	Ph	Arb	HeSc	MgMsTr	X-Ms	SilSMn	OgMsHr	S	–
1624.	<i>M. sylvestris</i> Mill.	Ph	Arb	HeSc	Og-MgTr	MsX-Ms	SMnSil	OgMsHr	S	–
1625.	<i>Pachus avium</i> Mill.	Ph	Arb	ScHe	MgTr	MsHg	CuSil	OgHr	VR	RBDR 0
1626.	<i>P. serotina</i> (Ehrh.) Ag.	Ph	Arb	HeSc	Og-MgTr	MsX-MsHg	RuCuSil	MsEuHr	R	Adv
1627.	<i>Potentilla alba</i> L.	HKr	Per	HeSc	MsOgTr	XMs	SMnSil	OgHr	VR	RBDR 4
1628.	<i>P. anserina</i> L.	HKr	Per	He	AlkMgTr	MsHg	RuPr	MsHr	VO	–
1629.	<i>P. argentea</i> L.	HKr	Per	He	OgMsTr	MsX	SMnPr-PsRuSt	MsEuHr	VO	–
1630.	<i>P. astrachanica</i> Jacq.	HKr	Per	ScHe	OgMsTr	XMs	PstSt	OgHr	R	–
1631.	<i>P. canescens</i> Besser	HKr	Per	He	MsTr	MsHg	SilPr	MsHr	R	–
1632.	<i>P. erecta</i> (L.) Raeusch.	G	Per	ScHe	MsTr	HgMs	SilPr	AOgHr	VR	RBDR 0
1633.	<i>P. goldbachii</i> Rupr.	HKr	Per	ScHe	OgTr	MsX	SilSMnPs	OgHr	R	–
1634.	<i>P. heptaphylla</i> L.	HKr	Per	He	MsOgTr	X	SilSMnPs	OgHr	R	RBDR 4

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Cenomorphs	Hemero-roby	Occurrence	Rare, adventive species
1635.	<i>P. humifusa</i> Willd. ex Schlecht	HKr	Per	ScHe	OgMsTr	MsX	PtSt	OgFr	R	–
1636.	<i>P. incana</i> P. Gaertn., B. Mey. & Scherb.	HKr	Per	ScHe	OgMsTr	XMs	PtStPs	MsHr	O	–
1637.	<i>P. leucotricha</i> (Borbas) Borbas	HKr	Per	He	MsTr	MsX	St	OgFr	R	RBDR 4
1638.	<i>P. neglecta</i> Baumg.	HKr	Per	ScHe	OgMsTr	MsX	RuPt	MsEuHr	O	–
1639.	<i>P. norvegica</i> L.	T	Ann	ScHe	OgMsTr	MsX	Ru	MsEuHr	S	–
1640.	<i>P. obscura</i> Willd.	HKr	Per	He	MsTr	XMs	SilPt	MsHr	O	–
1641.	<i>P. orientalis</i> Juz.	Ch	SFr	He	MsTr	X	PsPt	OgFr	R	RBDR 4
1642.	<i>P. palustris</i> (L.) Scop.	HKr	Per	ScHe	MsTr	HgHel	AqPal	OgMsHr	VR	RBDR 1
1643.	<i>P. pilosa</i> Willd.	HKr	Per	He	MsTr	MsX	St	MsHr	S	–
1644.	<i>P. recta</i> L.	HKr	Per	He	MgTr	XMs	SMnSt	MsHr	S	–
1645.	<i>P. reptans</i> L.	HKr	Per	He	MsTr	HgMs	SMnPr	MsEuHr	O	–
1646.	<i>P. schurii</i> Fuss ex Zimmeter	HKr	Per	He	MsTr	X	PtSt	MsHr	S	–
1647.	<i>P. semilaciniosa</i> Borbas	HKr	Per	He	OgTr	X	PtSt	MsHr	S	–
1648.	<i>P. supina</i> L.	THKr	AnnBien	He	MsMgTr	Ms	PrRu	MsEuHr	S	–
1649.	<i>Poterium polygamum</i> Waldst. et Kit.	HKr	Per	He	MsTr	XMs	PrSt	MsHr	O	–
1650.	<i>P. sanguisorba</i> L.	HKr	Per	He	CaMsTr	X	PtSt	MsHr	R	RBDR 4
1651.	<i>Prunus divaricata</i> Ledeb.	Ph	FrArb	He	MsTr	MsX	CuRu	MsEuHr	S	Adv
1652.	<i>P. domestica</i> L.	Ph	Fr	ScHe	MsTr	MsX	SMnCu	MsEuHr	S	Adv
1653.	<i>P. insiitua</i> L.	Ph	Fr	ScHe	MsTr	MsX	RuCu	MsEuHr	S	Adv
1654.	<i>P. stepposa</i> Kotov	Ph	Fr	ScHe	MsTr	MsX	SMnSt	OgMsHr	O	–
1655.	<i>Pyrus communis</i> L.	Ph	Arb	ScHe	MgMsTr	MsX	StSMnSil	MsEuHr	O	–
1656.	<i>Rosa adenodonta</i> Dubovik	nPh	Fr	ScHe	MsTr	XMs	St	MsHr	R	RBDR 1
1657.	<i>R. biserrata</i> Merat	nPh	Fr	ScHe	MsTr	MsX	SMnSt	MsHr	R	–
1658.	<i>R. bordzilowskii</i> Chrshan.	nPh	Fr	He	MsTr	X	PtSt	MsHr	R	RBDR 4
1659.	<i>R. borysthena</i> Chrshan.	nPh	Fr	He	MsTr	X	St	OgFr	R	RBDR 0
1660.	<i>R. bugensis</i> Chrshan.	nPh	Fr	ScHe	MsTr	MsX	SilSt	OgFr	R	–
1661.	<i>R. canina</i> L.	nPh	Fr	ScHe	MsTr	X-Ms	RuSMnSt	MsEuHr	VO	–
1662.	<i>R. carophyllacea</i> Besser	nPh	Fr	ScHe	MsTr	XMs	SMnStPr	OgFr	R	–
1663.	<i>R. corymbifera</i> Borkh.	nPh	Fr	ScHe	MsTr	MsX	RuSMnSt	MsHr	S	–
1664.	<i>R. gorenkensis</i> Besser	nPh	Fr	ScHe	MsTr	MsX	StSMn	MsHr	R	–
1665.	<i>R. grossheimii</i> Chrshan.	nPh	Fr	He	MsTr	MsX	PtSt	MsHr	R	–
1666.	<i>R. jundzillii</i> Besser	nPh	Fr	He	MsTr	X	PtSt	OgFr	R	RBDR 4
1667.	<i>R. klukii</i> Besser	nPh	Fr	He	MsTr	MsX	SMnSt	MsHr	R	–
1668.	<i>R. grossheimii</i> Chrshan.	nPh	Fr	He	MsTr	MsX	PtSt	OgFr	R	–
1669.	<i>R. lapidosa</i> Dubovik	nPh	Fr	He	OgMsTr	MsX	SMnPtSt	OgFr	R	–
1670.	<i>R. litvinovii</i> Chrshan.	nPh	Fr	He	MsTr	X	PtSt	OgFr	R	–
1671.	<i>R. maeotica</i> Dubovik	nPh	Fr	He	OgMsTr	MsX	SMnSt	OgFr	R	RBDR 3
1672.	<i>R. majalis</i> Herm.	nPh	Fr	ScHe	MsMgTr	Ms	PrSMn	OgFr	R	–
1673.	<i>R. mediata</i> Dubovik	nPh	Fr	ScHe	MsTr	MsX	SilSt	OgFr	R	–
1674.	<i>R. pimpinellaefolia</i> L.	nPh	Fr	He	MsTr	MsX	StPt	OgFr	R	–
1675.	<i>R. pomifera</i> Herm.	nPh	Fr	He	CaMsTr	XMs	PtSt	AOgFr	VR	–
1676.	<i>R. porrectidens</i> Chrshan. et Laseb.	nPh	Ch	ScHe	MsTr	MsX	StPt	OgFr	VR	–
1677.	<i>R. psammophilla</i> Chrshan.	nPh	Fr	He	OgTr	MsX	PsPt	OgFr	VR	–
1678.	<i>R. rubiginosa</i> L.	nPh	Fr	ScHe	MsTr	X	SilSt	OgFr	R	RBDR 4
1679.	<i>R. schmalhauseni</i> Chrshan.	nPh	Fr	ScHe	MsTr	XMs	SilPt	OgFr	R	–
1680.	<i>R. spinosissima</i> L.	nPh	Ch	He	MsTr	XMs	Pt	OgFr	VR	RBDR 3
1681.	<i>R. subafzeliana</i> Chrshan.	nPh	Fr	HeSc	MsTr	XMs	Sil	OgMsHr	VR	–
1682.	<i>R. subpygmaea</i> Chrshan.	nPh	Ch	He	MsTr	X	St	OgFr	R	–
1683.	<i>R. tesquicola</i> Dubovik	nPh	Fr	He	OgMsTr	X	PtSt	OgMsHr	VR	–
1684.	<i>R. tomentosa</i> Smith	nPh	Ch	He	MsTr	XMs	SilSt	OgFr	VR	RBDR 3
1685.	<i>R. uncinella</i> Besser	nPh	Fr	ScHe	MsTr	XMs	PrSil	OgMsHr	VR	–
1686.	<i>R. villosa</i> L.	nPh	Fr	ScHe	OgMsTr	XMs	PtSt	OgMsHr	R	–
1687.	<i>Rubus caesius</i> L.	nPh	Fr	ScHe	MsT	Ms	RuSil	OgMsHr	O	–
1688.	<i>R. idaeus</i> L.	nPh	Fr	ScHe	OgMsTr	Ms	PsSil	OgFr	VR	Rec RBDR
1689.	<i>Sanguisorba officinalis</i> L.	HKr	Per	ScHe	MgTr	HgMs	SMnPr	OgMsHr	R	RBDR 3
1690.	<i>Sorbus aucuparia</i> L.	Ph	Arb	ScHe	OgMsTr	XMs	Sil	EuHr	VR	–
1691.	<i>Spiraea crenata</i> L.	nPh	Fr	He	MsTr	MsX	PsSilSt	MsHr	R	–
1692.	<i>S. hypericifolia</i> L.	nPh	Fr	He	OgMsTr	XMs	PsSilPtSt	MsHr	S	–
1693.	<i>S. litvinovii</i> Dobrocz.	nPh	Fr	He	MsTr	X	PtSt	MsHr	R	RBDR 3
Rubiaceae										
1694.	<i>Asperula cynanchica</i> L.	HKr	Per	He	OgMgTr	Ms	PrPs	OgMsHr	R	–
1695.	<i>A. graveolens</i> M. Bieb. ex Schult. et Schult. f.	HKr	Per	He	OgMgTr	Ms	PrPs	OgMsHr	VR	RBDR 3
1696.	<i>A. montana</i> Waldst. et Kit.	HKr	Per	He	OgMsTr	X	StPt	MsHr	S	–
1697.	<i>Cruciata laevipes</i> Opiz	HKr	Per	HeSc	MsTr	XMs	PrSil	OgMsHr	VR	Rec RBDR
1698.	<i>Galium album</i> Mill.	HKr	Per	ScHe	MgTr	XMs	StPr	OgFr	VR	–
1699.	<i>G. aparine</i> L.	T	Ann	ScHe	MgTr	XMs	SilRu	MsEuHr	VO	–
1700.	<i>G. biebersteinii</i> Ehrend.	HKr	Per	ScHe	MsTr	MsX	StPt	OgFr	R	–
1701.	<i>G. boreale</i> L.	HKr	Per	HeSc	MsMgTr	Ms	PrSMn	AOgFr	R	–
1702.	<i>G. borysthenicum</i> Klokov	HKr	Per	ScHe	OgMsTr	Ms	StPt	OgFr	R	–
1703.	<i>G. campanulatum</i> Vill.	HKr	Per	ScHe	OgMsTr	X	PtSt	OgMsHr	R	–
1704.	<i>G. elongatum</i> C.Presl.	HKr	Per	HeSc	MgTr	Hg	SilPal	OgFr	R	–
1705.	<i>G. glabratum</i> Klokov	HKr	Per	He	Og-MsTr	MsHg	PrPtSt	MsHr	R	–
1706.	<i>G. humifusum</i> M. Bieb.	HKr	Per	He	OgMsTr	MsX	PrRuSt	MsEuHr	O	–
1707.	<i>G. hypanicum</i> Klokov	HKr	Per	He	MsTr	MsX	St	OgFr	R	–
1708.	<i>G. mollugo</i> L.	HKr	Per	ScHe	MsTr	XMs	SilPr	OgFr	R	–
1709.	<i>G. octonarum</i> (Klokov) Soo	HKr	Per	He	MsTr	MsX	PtSt	OgFr	S	–
1710.	<i>G. odoratum</i> (L.) Scop.	HKr	Per	HeSc	MsTr	Ms	Sil	MsHr	S	–
1711.	<i>G. olgae</i> Klokov	HKr	Per	He	MsTr	XMs	PtSt	OgFr	R	–
1712.	<i>G. palustre</i> L.	HKr	Per	ScHe	MgTr	MsHg	PalPr	OgMsHr	O	–
1713.	<i>G. physocarpum</i> Ledeb.	HKr	Per	HeSc	Tr	Ms	SilPr	OgMsHr	S	–

No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robby	Occurrence	Rare, adventive species
1714.	<i>G. praeboreale</i> Klokov	HKr	Per	He	OgMsTr	MsX	PtSt	OgHr	VR	–
1715.	<i>G. pseudomollugo</i> Klokov	HKr	Per	ScHe	MsTr	MsX	PrSMnSt	OgHr	R	–
1716.	<i>G. pseudorivale</i> Tzvelev	HKr	Per	ScHe	MgMsTr	HgMs	PrSMn	OgMsHr	R	–
1717.	<i>G. rivale</i> (Sibth. et Smim) Griseb.	HKr	Per	ScHe	MsTr	HgMs	SMnPr	OgMsHr	R	–
1718.	<i>G. rubioides</i> L.	HKr	Per	ScHe	MsTr	Ms	PrSMn	OgMsHr	R	–
1719.	<i>G. ruthenicum</i> Willd.	HKr	Per	He	MsOgTr	Ms	StPs	OgHr	VR	–
1720.	<i>G. salicifolium</i> Klokov	HKr	Per	He	MgTr	Ms	Pr	OgMsHr	R	–
1721.	<i>G. semiamictum</i> Klokov	HKr	Per	HeSc	MsTr	MsX	SMnSt	OgHr	VR	–
1722.	<i>G. spurium</i> L.	T	Ann	He	MsTr	XMs	StRuSMn	MsEuHr	O	Adv
1723.	<i>G. tinctorium</i> (L.) Scop.	HKr	Per	ScHe	MsMgTr	MsX	StPr	AOgHr	VR	RBDR 0
1724.	<i>G. tomentellum</i> Klokov	HKr	Per	ScHe	OgMsTr	MsX	PtSt	MsHr	S	–
1725.	<i>G. tricorutum</i> Dandy	T	Ann	He	MsTr	MsX	StRu	MsEuHr	R	–
1726.	<i>G. trifidum</i> L.	HKr	Per	ScHe	MgTr	MsHg	PrPal	OgHr	VR	RBDR 4
1727.	<i>G. tyraicum</i> Klokov	HKr	Per	HeSc	CaOgTr	X	PtSilPs	OgMsHr	R	RBDR 4
1728.	<i>G. uliginosum</i> L.	HKr	Per	ScHe	MsTr	MsHg	PrSilPal	OgHr	R	RBDR 4
1729.	<i>G. verticillatum</i> Danth.	T	Ann	He	MsTr	X	Pt	MsHr	S	–
1730.	<i>G. verum</i> L.	HKr	Per	ScHe	MsTr	MsX	PsSilSt	MsHr	O	–
1731.	<i>G. volhynicum</i> Pobed.	HKr	Per	He	MsTr	X	St	OgHr	VR	ERL R RBDR 3
1732.	<i>Rubia tatarica</i> (Trev.) Fr. Schmidt	HKr	Per	HeSc	OgMsTr	MsX	PsPr	OgHr	R	RBDR 1
Rutaceae										
1733.	<i>Dictamnus albus</i> L.	HKr	Per	ScHe	MsTr	XMs	StSil	OgHr	VR	RBU 3 RBDR 0
1734.	<i>Haplophyllum suaveolens</i> (DC.) G. Don f.	HKr	Per	He	MsTr	X	PtSt	OgHr	R	RBDR 3
1735.	<i>Ptelea trifoliata</i> L.	Ph	Arb	ScHe	MsTr	MsX	SilCu	MsEuHr	S	Adv
Salicaceae										
1736.	<i>Populus alba</i> L.	Ph	Arb	He	OgMsTr	XMs-Hg	Sil	OgMsHr	O	–
1737.	<i>P. x canescens</i> (Aiton) Smith	Ph	Arb	He	OgMsTr	Ms	Sil	MsHr	R	–
1738.	<i>P. deltoides</i> Marsh.	Ph	Arb	He	MsTr	XMs	CuRu	MsEuHr	S	Adv
1739.	<i>P. italica</i> (Du Roi) Moench	Ph	Arb	He	MsTr	XMs	CuRu	MsEuHr	S	Adv
1740.	<i>P. nigra</i> L.	Ph	Arb	He	OgMsTr	XMs-Hg	RuSil	Og-EuHr	VO	–
1741.	<i>P. tremula</i> L.	Ph	Arb	ScHe	OgMsTr	HgMs	Sil	OgMsHr	S	–
1742.	<i>Salix acutifolia</i> Willd.	Ph	Fr	ScHe	OgTr	HgMs	SilSMnPs	OgMsHr	S	–
1743.	<i>S. alba</i> L.	Ph	Arb	ScHe	Og-MgTr	XMs-Hg	Sil	Og-EuHr	VO	–
1744.	<i>S. aurita</i> L.	Ph	Fr	ScHe	Og-MgTr	MsHg	PsSMnPal	OgHr	VR	RBDR 4
1745.	<i>S. caprea</i> L.	Ph	Arb	ScHe	OgMsTr	Ms	SilSMn	OgHr	VR	RBDR 3
1746.	<i>S. cinerea</i> L.	Ph	Fr	ScHe	MgMsTr	MsHg	SilPal	OgMsHr	S	–
1747.	<i>S. fragilis</i> L.	Ph	Arb	He	MsTr	XMsMsHg	RuSilPr	MsEuHr	S	Adv
1748.	<i>S. pentandra</i> L.	Ph	Fr	HeSc	MsTr	MsHg	PalSil	OgHr	R	–
1749.	<i>S. purpurea</i> L.	Ph	Fr	HeSc	MsTr	MsHg	PalSil	OgHr	R	–
1750.	<i>S. rosmarinifolia</i> L.	nPh	Fr	ScHe	Mg-OgTr	MsXMsHg	SilPs	OgMsHr	S	–
1751.	<i>S. triandra</i> L.	Ph	Fr	He	MgTr	Ms-Hg	SilPr	Og-EuHr	S	–
1752.	<i>S. viminalis</i> L.	Ph	Fr	He	MgTr	HgMs	PrSil	OgMsHr	R	RBDR 3
1753.	<i>S. vinogradovii</i> A. Skvorts	Ph	Fr	He	OgMsTr	HgMs	SilPr	OgMsHr	S	–
Santalaceae										
1754.	<i>Thesium arvense</i> Horv.	HKr	Per	He	MsMgTr	XMs	StPr	Og-EuHr	O	–
1755.	<i>Th. erbacteatum</i> Hayne	HKr	Per	ScHe	MsTr	Ms	StSilSMn	OgMsHr	R	–
1756.	<i>Th. linophylon</i> L.	HKr	Per	ScHe	MsTr	MsX	SMnSt	OgMsHr	VR	–
Saxifragaceae										
1757.	<i>Saxifraga tridactylitas</i> L.	T	Ann	ScHe	MsTr	MsX	StPt	OgMsHr	VR	RBDR 4
Scrophulariaceae										
1758.	<i>Antirrhinum majus</i> L.	T	Ann	He	MsTr	X	CuRu	EuHr	R	–
1759.	<i>Chaenorhinum minus</i> (L.) Large	T	Ann	He	MsTr	XMs	Ru	EuHr	R	–
1760.	<i>Cymbocasma borystenica</i> (Pall.ex Schlecht.) Klokov et Zoz	HKr	Per	He	MsTr	MsX	PtSt	OgHr	R	ERL E RBU 3 RBDR 1
1761.	<i>Digitalis grandiflora</i> Mill.	HKr	Per	ScHe	MsTr	Ms	SMnSil	AOgHr	VR	RBDR 1
1762.	<i>D. lanata</i> Ehrh.	HKr	Per	He	MsTr	X	CuRu	EuHr	VR	–
1763.	<i>Euphrasia brevipila</i> Bum. et Gremlin	T	Ann	He	MsTr	XMs	SMn	OgHr	R	–
1764.	<i>E. pectinata</i> Ten.	T	Ann	He	MsTr	MsX	SMnSt	OgMsHr	R	–
1765.	<i>E. stricta</i> D. Wolff ex J.F. Lehm.	T	Ann	HeSc	OgMsTr	Ms	SMnSil	OgHr	R	–
1766.	<i>Gratiola officinalis</i> L.	HKr	Per	ScHe	Og-MgTr	Ms	PsPr	OgMsHr	S	–
1767.	<i>Limosella aquatica</i> L.	T	Ann	ScHe	MsMgTr	Hg	PrPal	OgHr	VR	RBDR 3
1768.	<i>Linaria biebersteinii</i> Besser	HKr	Per	He	MsTr	X	RuSt	MsEuHr	VR	WRL I RBDR 1
1769.	<i>L. cretacea</i> Fisch. ex Spreng.	HKr	Per	He	CaOgMsTr	MsX	PtCa	OgHr	R	–
1770.	<i>L. dulcis</i> Klokov	G	Per	He	OgTr	MsX	SilPs	MsHr	S	–
1771.	<i>L. genistifolia</i> (L.) Mill.	HKr	Per	He	OgMsTr	X	SilPtStPs	MsHr	O	–
1772.	<i>L. macroua</i> (M. Bieb.) M. Bieb.	HKr	Per	He	MsTr	MsX	St	OgHr	R	RBDR 2
1773.	<i>L. maeotica</i> Klokov	HKr	Per	He	MsTr	MsX	RuSt	MsEuHr	R	Rec RBDR
1774.	<i>L. vulgaris</i> Mill.	G	Per	ScHe	MsTr	MsX	SMnPrRu	MsEuHr	O	–
1775.	<i>Lindernia procumbens</i> (Krock.) Borb.	T	Ann	ScHe	MsTr	MsHg	PrPal	OgMsHr	R	RBDR 4 Adv
1776.	<i>Melampyrum argyrocomum</i> Fisch. ex Koso-Pol.	HKr	Ann	ScHe	OgMsTr	Ms	StSMn	OgMsHr	R	–
1777.	<i>M. arvense</i> L.	T	AnnBien	He	MsTr	MsX	RuPrSMn	MsEuHr	R	–
1778.	<i>M. cristatum</i> L.	T	Ann	ScHe	MsTr	Ms	SilPsPr	OgMsHr	S	RBDR 3
1779.	<i>M. nemorosum</i> L.	T	Ann	ScHe	OgMsTr	Ms	PsPrSil	OgHr	R	RBDR 3
1780.	<i>M. pratense</i> L.	T	Ann	ScHe	MsTr	Ms	PrSMnSil	OgHr	S	RBDR 3
1781.	<i>Odontines luteus</i> (L.) Clairv.	T	Ann	He	OgMsTr	MsX	RuPsSt	MsEuHr	O	–
1782.	<i>O. vulgaris</i> Moench	T	Ann	ScHe	MsTr	MsX	RuStPr	MsEuHr	O	–
1783.	<i>Pedicularis dasystachys</i> Schrenk	HKr	Per	He	AlkMsTr	Ms	HalPr	OgHr	R	RBDR 3
1784.	<i>P. kaufmanii</i> Pinzg	HKr	Per	ScHe	MgTr	XMs	SilPr	OgHr	R	RBDR 3
1785.	<i>P. sceptrum-carolinum</i> L.	HKr	Per	He	MgTr	HgMs	PalPr	AHr	VR	Rec RBDR
1786.	<i>Rhinanthus aestivalis</i> (N. Zing.) Schischk. et Serg.	T	Ann	He	MsTr	Ms	RuSMnPr	Og-EuHr	S	–
1787.	<i>Rh. vernalis</i> (N. Zing.) Schischk. et Serg.	T	Ann	He	MsTr	Ms	RuSMnPr	Og-EuHr	O	–



No.	Species within families	Clima-morphs	Bio-morphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Heme-robry	Occurrence	Rare, adventive species
1788.	<i>Scrophularia nodosa</i> L.	HKr	Per	HeSc	MsMgTr	Ms	PrSMnSil	OgMsHr	S	–
1789.	<i>S. umbrosa</i> Dumort.	HKr	Bien	He	MgTr	HgMs	Pr	AOgHr	R	RBDR 0
1790.	<i>S. vernalis</i> L.	THKr	BienPer	ScHe	MsMgTr	XMs	SilPt	MsHr	R	RBU 2 RBDR 4
1791.	<i>Verbascum banaticum</i> Schrad.	HKr	Bien	He	OgTr	XMs	Ps	OgMsHr	R	–
1792.	<i>V. blattaria</i> L.	THKr	AnnBien	He	AlkMgTr	MsX	HalPr	MsHr	S	–
1793.	<i>V. densiflorum</i> Bertol.	HKr	Bien	He	MsMgTr	XMs	RuPsSMn	MsEuHr	O	–
1794.	<i>V. lychnitis</i> L.	HKr	Bien	ScHe	OgMsTr	MsX	RuSiSMn	MsEuHr	O	–
1795.	<i>V. marchallianum</i> Ivavina et Tzvelev	HKr	Per	ScHe	MsTr	MsX	SilSt	MsEuHr	O	–
1796.	<i>V. nigrum</i> L.	HKr	BienPer	ScHe	MsTr	MsX	RuSMn	OgMsHr	R	RBDR 4
1797.	<i>V. ovalifolium</i> Donn. ex Sims.	HKr	Bien	He	OgMsTr	X	PsRuSt	MsEuHr	S	–
1798.	<i>V. phlomisoides</i> L.	HKr	Bien	He	OgMsTr	MsX	RuPrSMnSt	MsEuHr	O	–
1799.	<i>V. phoeniceum</i> L.	HKr	Per	ScHe	OgMgTr	MsX	SMnPrSt	OgMsHr	O	–
1800.	<i>V. thapsus</i> L.	HKr	Bien	ScHe	OgMsTr	MsX	SMnPsSt	OgMsHr	R	–
1801.	<i>Veronica anagallis-aquatica</i> L.	HKr	Per	He	MsTr	HelHg	AqPal	OgMsHr	S	–
1802.	<i>V. anagalloides</i> Guss.	HKr	Per	He	MgTr	Hg	RuPrPal	MsEuHr	S	–
1803.	<i>V. arvensis</i> L.	THKr	AnnBien	He	MsTr	MsX	PtStRu	EuHr	O	Adv
1804.	<i>V. austriaca</i> L.	HKr	Per	ScHe	CaMsTr	MsX	SiSMnCrSt	OgMsHr	S	–
1805.	<i>V. barrelieri</i> Schott	HKr	Per	He	MsTr	MsX	PrSt	MsHr	S	–
1806.	<i>V. biloba</i> L.*	T	Ann	ScHe	MsTr	XMs	Ru	EuHr	R	Adv
1807.	<i>V. beccabunga</i> L.	HKr	Per	He	MsMgTr	Hg	PrPal	MsHr	S	–
1808.	<i>V. borysthena</i> Ostapko	HKr	Bien	He	MsTr	X	PtSt	OgHr	VR	–
1809.	<i>V. chamaedrys</i> L.	HKr	Per	ScHe	MsMgTr	Ms	PrSMn	MsHr	S	–
1810.	<i>V. dillenii</i> Crantz	HKr	AnnBien	ScHe	OgTr	MsX	St	MsHr	O	–
1811.	<i>V. griniana</i> Klokov	HKr	Per	ScHe	MsTr	MsX	SMnStPt	MsHr	VR	–
1812.	<i>V. hederifolia</i> L.	T	AnnBien	ScHe	MsTr	Ms	RuSMnStPt	MsHr	O	–
1813.	<i>V. incana</i> L.	T	Ann	ScHe	MsTr	MsX	SilSt	OgHr	VR	–
1814.	<i>V. longifolia</i> L.	HKr	Per	ScHe	MgTr	HgMs	SilPr	OgMsHr	O	–
1815.	<i>V. officinalis</i> L.	HKr	Per	ScHe	MgTr	HgMs	PrSMn	OgMsHr	R	RBDR 0
1816.	<i>V. opaca</i> Fr.	T	Ann	He	MsTr	MsX	Ru	EuHr	R	Adv
1817.	<i>V. persica</i> Poir.	THKr	AnnBien	ScHe	MsTr	XMs	Ru	EuHr	S	Adv
1818.	<i>V. polita</i> Fr.	THKr	AnnBien	ScHe	MsTr	XMs	SilRu	MsEuHr	S	Adv
1819.	<i>V. praecox</i> All.	THKr	AnnBien	He	MsTr	XMs	RuSt	MsEuHr	S	–
1820.	<i>V. prostrata</i> L.	HKr	Per	ScHe	AlkOgMsTr	MsX	HalStPrSMn	MsHr	S	–
1821.	<i>V. sclerophylla</i> Dubovik	HKr	Per	ScHe	MsTr	MsX	SMnSt	MsHr	O	–
1822.	<i>V. scutellata</i> L.	HKr	Per	He	Og-MgTr	MsHg	PalPr	OgMsHr	R	RBDR 2
1823.	<i>V. serpyllifolia</i> L.	HKr	Per	He	Og-MgTr	HgMs	RuSMnPr	OgHr	R	RBDR 3
1824.	<i>V. spicata</i> L.	HKr	Per	ScHe	MsTr	MsX	SilSMnSt	OgMsHr	S	–
1825.	<i>V. spuria</i> L.	HKr	Per	ScHe	Og-MgTr	XMs	StPsSMn	OgMsHr	R	–
1826.	<i>V. teucrium</i> L.	HKr	Per	ScHe	OgMsTr	XMs	StPsSMn	MsHr	R	–
1827.	<i>V. triphyllus</i> L.	THKr	AnnBien	He	MsTr	MsX	RuPsPtSt	MsHr	S	Adv
1828.	<i>V. verna</i> L.	THKr	AnnBien	He	MsTr	MsX	PrStRu	MsEuHr	O	–
1829.	<i>V. viscosula</i> Klokov	HKr	Per	He	MsTr	XMs	PtSt	MsHr	S	–
Simarubaceae										
1830.	<i>Ailanthus altissima</i> (Mill.) Swingle	Ph	Arb	ScHe	OgMsTr	X-Ms	SilCuRu	Ms-PHr	O	Adv Inv
Solanaceae										
1831.	<i>Datura stramonium</i> L.	T	Ann	He	MgTr	Ms	Ru	EuPHr	O	Adv
1832.	<i>Hyoscyamus niger</i> L.	HKr	Bien	He	MsTr	MsX	Ru	EuPHr	O	Adv
1833.	<i>Lycium barbarum</i> L.	nPh	Fr	He	OgMsTr	MsX	CuRu	MsEuHr	O	Adv
1834.	<i>Lycopersicon esculentum</i> Mill.	T	Ann	He	MgTr	Ms	RuCu	EuPHr	R	Adv
1835.	<i>Nicandra physaloides</i> (L.) P. Gaern.	T	Ann	He	MsTr	Ms	RuCu	EuHr	R	Adv
1836.	<i>Physalis alkekengi</i> L.	HKr	BienPer	ScHe	MsTr	XMs	Sil	Og-EuHr	R	–
1837.	<i>Solanum cornutum</i> Lam.	T	Ann	He	MsTr	Ms	Ru	EuHr	R	Adv
1838.	<i>S. dulcamara</i> L.	Ch	Per	ScHe	OgMsTr	MsHg	SilPal	OgMsHr	O	–
1839.	<i>S. nigrum</i> L.	T	Ann	He	MsTr	Ms	Ru	EuHr	O	Adv
Thymeleaceae										
1840.	<i>Daphne mezereum</i> L.	Ch	Fr	HeSc	MsTr	Ms	Sil	OgHr	VR	–
1841.	<i>Thymelea passerina</i> (L.) Coss. et. Germ.	T	Ann	He	CaMsTr	X	RuSt	EuHr	O	Adv
Tiliaceae										
1842.	<i>Tilia cordata</i> Mill.	Ph	Arb	ScHe	MsMgTr	Ms	Sil	A-MsHr	O	–
Trapaceae										
1843.	<i>Trapa borysthena</i> V.Vassil.	T	Ann	He	MsMgTr	Pl r	Aq	OgMsHr	S	RBU 4 RBDR 2
1844.	<i>Trapa maeotica</i> Woronov	T	Ann	He	MsMgTr	Pl r	Aq	OgMsHr	S	RBU 4
Ulmaceae										
1845.	<i>Celtis occidentalis</i> L.	Ph	Arb	ScHe	Og-MgTr	MsX	SilCu	Og-EuHr	R	Adv
1846.	<i>Ulmus glabra</i> Huds.	Ph	Arb	HeSc	MgTr	Ms	Sil	OgMsHr	S	–
1847.	<i>U. laevis</i> Pall.	Ph	Arb	HeSc	Og-MgTr	XMsmHg	Sil	OgMsHr	O	–
1848.	<i>U. minor</i> Mill.	Ph	Arb	ScHe	MsTr	MsX	SiSMn	OgMsHr	S	–
1849.	<i>U. pumila</i> L.	Ph	Arb	ScHe	OgMsTr	MsX	SilCuRu	Ms-PHr	O	Adv Inv
1850.	<i>U. suberosa</i> Moench	Ph	Arb	ScHe	MsTr	X	SMn	OgMsHr	S	–
Urticaceae										
1851.	<i>Periaria serbica</i> Pancic	T	Ann	ScHe	MsTr	MsX	Pt	OgMsHr	R	RBDR 3
1852.	<i>Urtica cannabina</i> L.	HKr	Per	He	MgTr	MsX	Ru	EuHr	VR	–
1853.	<i>U. dioica</i> L.	G	Per	HeSc	MsMgTr	XMsmHg	SilRu	Og-EuHr	VO	–
1854.	<i>U. galeopsifolia</i> Wierzb. ex Opiz	HKr	Per	HeSc	MgTr	MsHg	PalSil	OgMsHr	R	–
1855.	<i>U. kioviensis</i> Rogow.	HKr	Per	HeSc	MgTr	MsHg	PalSil	OgMsHr	R	Adv
1856.	<i>U. urens</i> L.	G	Per	He-Sc	MsMgTr	XMsmHg	SilRu	EuHr	S	Adv
Valerianaceae										
1857.	<i>Valeriana officinalis</i> L.	HKr	Per	ScHe	MgTr	HgMs	SMnPalPr	OgMsHr	R	RBDR 3
1858.	<i>V. rossica</i> P. Smim.	HKr	Per	ScHe	MgTr	MsX	StPrSMn	OgMsHr	R	RBDR 3

No.	Species within families	Climamorphs	Biomorphs	Helio-morphs	Tropho-morphs	Hygro-morphs	Ceno-morphs	Hemerob-rob-ity	Occur-rence	Rare, adven-tive species
1859.	<i>V. stolonifera</i> Czern.	HKr	Per	ScHe	MsMgTr	HgMs	PsSilPr	OgMsHr	S	RBDR 3
1860.	<i>V. tuberosa</i> L.	HKr	Per	ScHe	OgMsTr	MsX	SMnPStPt	OgMsHr	R	RBDR 3
1861.	<i>V. wolgensis</i> Kazak.	HKr	Per	ScHe	MgTr	Ms	SMnPr	OgHr	R	RBDR 3
1862.	<i>Valerianella carinata</i> Loisel.	T	Ann	He	MsOgTr	Ms	RuPtPs	OgMsHr	S	–
1863.	<i>V. coronata</i> (L.) DC.	T	Ann	He	AlkMsTr	MsX	HalPrSt	OgMsHr	R	–
1864.	<i>V. costata</i> (Steven) Betcke	T	Ann	He	MsTr	XMs	HalRuPrSt	OgMsHr	R	–
1865.	<i>V. locusta</i> (L.) Leterr.	T	Ann	He	MsTr	Ms	RuPtPs	MsEuHr	VR	Adv
1866.	<i>V. turgida</i> (Steven) Betcke	T	Ann	He	MsTr	MsX	RuStPt	AOgHr	VR	–
Verbenaceae										
1867.	<i>Verben officinalis</i> L.	HKr	Per	ScHe	MsTr	XMs	PrRu	MsEuHr	S	Adv
1868.	<i>V. supina</i> L.	T	Ann		MsTr	Ms	RuPs	MsEuHr	R	Adv
Violaceae										
1869.	<i>Viola accrescans</i> Klokov	HKr	Per	ScHe	MsTr	MsX	PrSt	MsHr	R	–
1870.	<i>V. ambigua</i> Walldst. et Kit.	HKr	Per	ScHe	MsTr	MsX	SMnSt	MsHr	O	–
1871.	<i>V. arvensis</i> Murray	HKr	Per	ScHe	OgMsTr	Ms	SilPsRu	MsEuHr	O	Adv
1872.	<i>V. canina</i> L.	HKr	Per	ScHe	MsTr	Ms	PrSil	MsHr	O	–
1873.	<i>V. collina</i> Bess.	HKr	Per	ScHe	OgMsTr	XMs	SilPsSt	MsHr	S	–
1874.	<i>V. hirta</i> L.	HKr	Per	ScHe	MsMgTr	XMs	StPrSil	MsHr	S	–
1875.	<i>V. hissarica</i> Juz.*	HKr	Per	ScHe	MsTr	Ms	Ru	EuHr	R	Adv
1876.	<i>V. kitaibeliana</i> Schult.	T	Ann	ScHe	MsTr	XMs	StRu	MsEuHr	S	–
1877.	<i>V. lavrencoana</i> Klokov	T	Ann	ScHe	OgTr	XMs	RuSilPs	MsEuHr	R	–
1878.	<i>V. matutina</i> Klokov	THKr	AnnBien	ScHe	MsTr	XMs	RuSMnPr	MsEuHr	S	–
1879.	<i>V. mirabilis</i> L.	HKr	Per	HeSc	MsMgTr	Ms	Sil	OgMsHr	S	–
1880.	<i>V. montana</i> L.	HKr	Per	ScHe	MsTr	XMs	SMnSt	OgHr	O	–
1881.	<i>V. nemoralis</i> Kutz.	HKr	Per	HeSc	MsTr	HgMs	SilPr	AOgHr	VR	–
1882.	<i>V. nemausensis</i> Jord.	T	Ann	He	MsTr	MsX	StPt	OgHr	VR	–
1883.	<i>V. odorata</i> L.	HKr	Per	HeSc	MsMgTr	Ms	RuSil	MsEuHr	O	–
1884.	<i>V. persicifolia</i> Schreb.	HKr	Per	ScHe	MsTr	Ms	SMnPr	OgHr	VR	RBDR 0
1885.	<i>V. rupestris</i> F.W. Schmidt	THKr	AnnBien	ScHe	OgMsTr	MsX	PsSil	MsHr	S	–
1886.	<i>V. suavis</i> M. Bieb.	HKr	Per	HeSc	MsTr	Ms	Sil	MsHr	O	–
1887.	<i>V. tanaitica</i> Grosset	HKr	Per	HeSc	MgTr	Ms	Sil	OgHr	VR	RBDR 4
1888.	<i>V. tricolor</i> L.	THKr	AnnBien	ScHe	MsTr	MsX	RuSMnPr	MsEuHr	S	–
1889.	<i>V. uliginosa</i> Besser	HKr	Per	ScHe	MsTr	MsHg	PrPal	OgHr	VR	–
Vitaceae										
1890.	<i>Partenocissus quinquefolia</i> (L.) Planch.	nPh	Fr	ScHe	MsTr	Ms	SilCulRu	EuHr	O	Adv Inv
1891.	<i>Vitis sylvestris</i> C.C. Gmel.	nPh	Fr	ScHe	MsTr	Ms	Sil	OgHr	VR	–
1892.	<i>V. labrusca</i> L.	nPh	Fr	ScHe	MsTr	Ms	SilCulRu	EuHr	R	Adv
1893.	<i>V. vinifera</i> C.C. Gmel.	nPh	Fr	ScHe	MsTr	Ms	SilCulRu	EuHr	R	Adv
Zygophyllaceae										
1894.	<i>Tribulus terrestris</i> L.	T	Ann	He	MsOgTr	MsX	PsRu	MsEuHr	S	Adv
1895.	<i>Zygophyllum fabago</i> L.	HKr	Per	He	MsTr	XMs	PrRu	EuHr	VR	–

Notes: Biomorphs: Ann (Annuus) – annual; Bien (Biennis) – biennial; Per (Perennis) – perennial; SFr (Suffrutex) – subshrub; Fr (Frutex) – shrub; Arb (Arbor) – tree. Eco-morphs: climamorphs: Ph – phanerophyte; HKr – hemicryptophyte; Kr – cryptophyte; G – geophyte; T – therophyte. Heliomorphs: He (Heliophiton) – heliophyte (light – demanding); Sc (Sciophiton) – sciophyte (shade-tolerant). Trophomorphs: OgTr (Oligotroph) – oligotroph (plants that grow in nutrient-poor soils); MsTr (Mesotroph) – meso-troph (plants that grow in nutrient-medium soils); MgTr (Megatroph) – megatroph (plants that grow in nutrient-rich soils). Hygomorphs: Hy (Hydatophiton) – hydatophyte (submerged plants); Pl (Pleistophiton) – pleistophyte (floating-leaved plants); Hel (Helophiton) – helophyte (plants that grow in water or near water and is either emergent, sub-mergent, or floating); Hg (Hygrophiton) – hygrophyte (plants that grow in moist habitats); Ms (Mesophiton) – mesophyte (plants that grow in medium-moist habitats); X (Xero-phiton) – xerophyte (plants that grow in dry habitats). Cenomorphs: Aq (aqant) – aquant (aquatic plants); Pal (Paludosus) – paludant (marsh plants); Pr (Pratensis) – pratant (meadow plants); Sil (Silvaticus) – silvant (forest plants); SMn (Margosilvaticus) – silvomargoant (plants that grow in forest margins); St (Stepposus) – stepant (steppe plants); Ps (Pscammophyton) – psamophant (plants that grow in sandy soil); Pt (petrophyton) – Petrant (plants that grow in stony soil); Ca – Calcefil; Ru (ruderaus) – Ruderant (weed plants); Hal (halophyton) – Halophant (plants that grow in saline soils and reservoirs with high mineralization); Cu (Cultus) – Cultist (cultivated plants). WRL: a species listed in the World Red List with the following rarity categories: R – rare, U – undefined. ERL: a species listed in the European Red List with rarity categories. RBU: a species listed in the Red Book of Ukraine with the following rarity categories: extinct (0), endangered (I), vulnerable (II), rare (III), unspecified (IV), unknown (V), recovered (VI). RBDR: a species listed in the Red Book of the Dnipropetrovsk region with the following rarity categories: extinct (0) – a species that has no data on its existence in the wild for about 50 years, endangered (I), vulnerable (II), rare (III), unspecified (IV) (not enough information on the species, or its status needs to be clarified). Rec RBDR: recommend to the Red Book of the Dnipropetrovsk region. Adv – adventive. Inv – invasive. Hemerobia of the species: AHr – ahemerob, OgHr – oligohemerob, MsHr – mesohemerob, EuHr – euhemerob, PHr – polyhemerob. Categories of occurrence: VO – very often; O – often; S – sporadic; R – rarely; VR – very rarely. \* – species that were not mentioned for this region, but they were found by the authors.

The flora composition is dominated by mesophytic (47.6%) and xeromesophytic (18.6%) species. The cenomorphic structure is dominated by ruderants and stepants, which make up 32.7% and 34.5% of species, respectively; it indicates the significant anthropogenic transformation of the flora: of 619 ruderal species (32.7%), 357 are adventive (18.7%).

The presence of a significant number of adventive species is associated with the location of the territory in the distribution routes of alien species along the Dnipro River valley, the so-called Black Sea-Baltic invasive corridor, and in other migration routes of species. Their spread is facilitated by urbanization and by a large number of anthropogenic ecotopes in the region where the vegetation cover has been radically transformed due to economic activity. As part of the adventive component, 6 species are invasive, which are transformers that significantly change the ecosystem composition and structure.

The rare flora component counts 432 species (22.8%). As part of the flora of species listed in the Red Book of Ukraine, there are also species from the European and World Red Lists – 36 species.

According to the hemeroby degree, the species of vascular plants in the flora studied are predominantly distributed as follows: oligohemerobes – 498 species (26.3%), mesohemerobes – 720 species (37.9%), euhemerobes – 552 species (29.1%), polyhemerobes – 36 species (1.9%). Therefore, in general, the territory of the Northern Steppe Dnipro Region is significantly anthropogenically transformed.

As a result of research, one species was found which is new for the flora of Ukraine (*Veronica biloba* L.) and 13 species that had not been mentioned for this region, but which were found by the authors.

## Discussion

Ukraine is one of the European countries which has the highest number of naturalized alien plant species recorded (Lambdon et al., 2008; Pyšek et al., 2009; Chytrý, 2017; Pyšek et al., 2022). Among others, adventive floral component in the Steppe zone of Ukraine was found to be one of the most numerous and shows an increasing trend. This is especially evi-

dent in the region under study. The compositional richness and diversity of this floral component are explained both by the diversity of anthropogenic ecotopes (associated both with the development of industrial and agricultural complexes of the economy, urbanization, transport network including the river one, and with the mosaic nature of biotopes with the associated native vegetation cover, for example, ravine forests, salt marshes, etc.), as well as ecotonic effects of the territory under study.

A detailed investigation of the flora in region of the Steppe zone of Ukraine shows its significant diversity, despite the fact that the vegetation cover here is fragmented and major part of the territory is transformed by economic activity.

Studies of biodiversity in different regions of Europe show various biodiversity levels in different landscapes. Among them, the floodplain landscape is particularly distinguished by its floristic richness (Schindler et al., 2016). But the results on a study of the flora in the Northern Steppe Dnipro Region indicate that the systematic and bioecological composition of the flora in steppe biotopes is also very diverse. There are 654 plant species found in steppe biotopes as part of the investigated flora, which is almost a third of the entire floristic diversity of the flora in the region.

## Conclusion

The increasing anthropogenic and climatic impact on the flora in the Steppe zone of Ukraine and the unprecedented transformation of it actualizes the issue of its current state. This is important for solving the problems of minimizing negative impact, predicting changes, and developing conceptual approaches to its use and preservation.

In the historical aspect, the flora of the Northern Steppe Dnipro Region attracted the attention of many researchers due to its richness and diversity, and (in the last half-century) due to its anthropic transformation. The latest threats make it necessary to assess the flora as a reference basis for its monitoring and management. Despite a fairly complete representation of the region's flora, a number of new plant species have been found in recent years. Of them, 357 species were adventive and inhabited the Northern Steppe Dnipro Region spontaneously, or as a result of introduction and then went out of cultivation. Newly discovered aboriginal species in this area were missed by the previous researchers, or migrated from other regions of Ukraine. The inclusion of plant species that are currently not registered on the territory of the region makes it possible to restore these species in their native biotopes. In the flora of the region there was also a reduction of the number of populations, or in a number of species that were widely distributed in the region. A significant number of its representatives have changed their conservation status and become rare and endangered.

The presented materials were used and will further be used to substantiate the creation of objects for the region's nature reserve network. They also summarize a specific stage of floral research and mark the main practical tasks. Among them, the main ones are the continuation of inventory and the investigation of the structural and functional organization of flora.

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

The authors declared no conflicting interests.

The authors are grateful to Dr. O. Shinder (the M. M. Hryshko National Botanical Garden of National Academy of Sciences of Ukraine) for consultations during the preparation of the manuscript to publication.

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