



Funded by the
Horizon 2020
Framework Programme
of the European Union

Farmer's Pride

Networking, partnerships and tools to enhance in situ conservation of European plant genetic resources

Crop wild relatives in the Natura 2000 network

Citation

Rubio Teso, M. L., Álvarez Muñiz, C., Gaisberger, H., Kell, S., Lara-Romero, C., Magos-Brehm, J., Maxted, N. and Iriondo, J. (2020) Crop wild relatives in Natura 2000 network.

https://more.bham.ac.uk/farmerspride/wp-content/uploads/sites/19/2020/10/MS19_Crop_Wild_Relatives_in_the_Natura_2000_Network.pdf

This document is a deliverable of the Farmer's Pride Project SFS-04 (GA 774271): MS19, 'Crop wild relatives in the Natura 2000 network'.

Acknowledgements

We are grateful to E. Dulloo and A. Palmé for their useful comments and suggestions to improve this report.

Table of contents

1. List of Figures.....	4
2. List of Tables.....	4
3. Summary	5
4. Introduction.....	6
5. Methods	7
5.1 Target CWR taxa.....	7
5.2 Distribution data	7
5.3 Presence of European priority CWR in Natura 2000.....	9
5.4 CWR in the Habitats Directive	10
6. Results	10
6.1 Target species and distribution data.....	10
6.2 Presence of CWR in Natura 2000	10
6.3 CWR in the Habitats Directive	16
7. Final considerations and conclusions.....	28
8. References.....	29
Appendix A: European priority CWR	32
Appendix B: CWR populations and Natura 2000	77

1. List of Figures

Figure 1: Distribution of populations of 568 European priority CWR taxa in the EU and the UK, showing the occurrences of 519 taxa in Natura 2000 in green	11
Figure 2: Natura 2000 sites that host populations of European priority CWR	12
Figure 3: Distribution of 84 European priority CWR taxa that are characteristic of the main habitat categories listed in Annex I of the Habitats Directive . The sum of taxa in the different main habitat categories is greater than 84 because some taxa occur in several habitats. ...	16

2. List of Tables

Table 1: Criteria applied for the filtering and cleaning of occurrence data of priority crop wild relatives of Europe	8
Table 2: Natura 2000 sites that contain populations of European priority CWR with a low number of high quality records (less than 20 populations)	13
Table 3: Annex I protected habitats in the Habitats Directive that include European priority crop wild relatives amongst their characteristic species.	17
Table 4: European priority crop wild relatives that are characteristic species of Annex I habitats of the Habitats Directive, number of different habitats in which they are characteristic species, habitats codes and name in the Interpretation Manual of the Habitat Directive when a synonym is used.	23
Table 5: European priority crop wild relative taxa included in Annexes II and IV of the Habitats Directive, the number of populations with high quality georeferences recorded in GBIF or Genesys, and the number that occur in the Natura 2000 network.	27

3. Summary

This document presents the results of analyses to ascertain the potential of the Natura 2000 network to conserve crop wild relatives (CWR). We obtained distribution data of European priority CWR from large international biodiversity databases and filtered the records to obtain a high quality georeferenced dataset. This dataset contains over 2.8 million records of 568 different priority crop wild relatives. To lay the foundation for the design of a network for the conservation of crop wild relatives in Europe, we analyzed the presence of priority taxa in the Natura 2000 network. We also consulted the Habitats Directive to identify priority crop wild relatives that are characteristic of the protected habitats under Annex I of the Directive, as well as those listed in Annexes II, IV and V.

The results show great potential of the Natura 2000 network for the conservation of crop wild relatives, with 519 priority taxa within just 31% of its sites. In addition, 84 priority CWR taxa have been identified as characteristic species of 83 priority habitats of the Directive, and 17 of them are also listed in Annexes II and IV. These findings support the value of using the existing biodiversity conservation infrastructure in Europe for crop wild relative conservation *in situ*. With very little additional cost involved, the *in situ* conservation of European priority crop wild relatives could provide added value to the Natura 2000 network through their important contribution to the maintenance of food security.

4. Introduction

Crop wild relatives (CWR) are wild plant taxa closely related to cultivated plants, recognised as a valuable source of genetic variation for crop improvement (Vaughan, 1994; Maxted, Ford-Lloyd, et al., 1997; van de Wouw et al., 2001; Maxted et al., 2006; Hajjar and Hodgkin, 2007; Heywood et al., 2007; FAO, 2008; Millet et al., 2008; Brozynska et al., 2016). Evolved under natural conditions and occurring in a broad range of habitats, they can provide useful adaptations for the development of new, improved varieties of crops (Prescott-Allen and Prescott Allen, 1983; Maxted, Hawkes, et al., 1997; Hajjar and Hodgkin, 2007; Hodgkin and Hajjar, 2008; Sonnante and Pignone, 2008; McCouch et al., 2013). In the current context of global change, they are now acknowledged worldwide as a fundamental resource to support food security (Tyack and Dempewolf, 2015). As wild species, CWR suffer from the same threats as any other wild plants, such as habitat fragmentation and loss, changes in land uses, invasive species and climate change (Bilz et al., 2011; Kell et al., 2012, 2015; Magos Brehm et al., 2017). Their conservation must be undertaken in an efficient and systematic manner that preserves the maximum amount of genetic diversity. Although their conservation ultimately requires an integrated response from both the agriculture and environment communities, the implementation of CWR conservation *in situ* depends on the involvement of the environment ministries of the EU member countries, which are already responsible for conserving wild plant populations.

The Habitats Directive was implemented in 1992 through Council Directive 92/43/EEC (European Commission, 1992). It explicitly identifies and designates important habitats and species that are a priority for conservation. The Habitats Directive commits EU members to keep their protected habitats and species in a favourable status and to periodically report on their condition.

The Natura 2000 network is the largest network of protected areas in the world (https://ec.europa.eu/environment/nature/natura2000/index_en.htm) and it was established to implement the Habitats Directive (Council Directive 92/43/EEC) and the Birds Directive (Directive 2009/147/EC). The implementation and development of the Natura 2000 network has required a significant coordination effort among European Union country members, as well as a strong economic investment. Gantioler et al. (2010) reported an expenditure of more than €5.8 billion per year and described the large associated benefits of sustaining such a network.

EU member states are committed to meeting their obligations under international policies and legislative instruments relating to the conservation and sustainable use of plant genetic resources for food and agriculture (PGRFA), including crop wild relatives (CWR). In this context, the Farmer's Pride project, funded by the Horizon 2020 Framework Programme of the European Union, aims to promote the conservation and use of plant genetic resources through the design and development of a European network for *in situ* conservation and sustainable use. For this purpose, one first logical step is to assess the coverage and potential use of existing European conservation infrastructures for conserving European biodiversity.

In this report, we assess the potential of the Natura 2000 network to secure CWR diversity. We present results of analyses showing the priority CWR populations that occur within the limits

of Natura 2000 network sites and analyse the coverage and efficiency of the Natura 2000 network as a tool for CWR *in situ* conservation. In addition, we identify European priority CWR that are specifically identified by the Habitats Directive to be a priority for conservation. These results will contribute to the development of a strategy for the conservation and sustainable use of CWR in Europe.

5. Methods

5.1 Target CWR taxa

The target taxa are defined in an inventory of European priority CWR. This inventory includes 863 taxa (Appendix A) related to human and animal food crops (485 species and 378 subspecific taxa)¹.

5.2 Distribution data

The geographic scope of the Farmer's Pride project is Europe (as defined by Hollis and Brummit 2001), EU territories outside of Europe (i.e., Azores, Canary Islands, Cyprus, East Aegean Islands and Madeira), and Asiatic Turkey. However, in this study we focused on the *in situ* coverage of CWR by the greatest European biodiversity infrastructure, the Natura 2000 network. Therefore, the analyses performed only involve European Union member states and the United Kingdom where the Natura 2000 network is displayed.

Distribution data were downloaded from two large international biodiversity databases: the Global Biodiversity Information Facility (GBIF – www.gbif.org) and Genesys (www.genesys-pgr.org/). GBIF is a worldwide repository of chorological data of wild species fed by a large number of data providers worldwide, including genebanks, botanic gardens, museums, and universities. Genesys is a database holding information on *ex situ* accessions conserved in genebanks worldwide and is also fed by numerous national and international data providers.

The download of occurrence data for all target species was performed using a programming script developed in R environment (R Core Team, 2013), using rGBIF and genesysr packages (Chamberlain and Boettiger, 2017; Obreza, 2019). The taxonomy and nomenclature of Euro+Med PlantBase (www.emplantbase.org/home.html) were used as a reference. More than 2,500 synonyms of the target species were also included in the search. The obtained data were filtered and cleaned according to the criteria shown in Table 1.

¹ For additional information see the '*In situ* plant genetic resources in Europe: crop wild relatives' report of Farmer's Pride project (www.farmerspride.eu)

Table 1: Criteria applied for the filtering and cleaning of occurrence data of priority crop wild relatives of Europe

GBIF data		Genesys Data	
1	Eliminate records with non-accurate coordinates (less than one decimal digit of a decimal degree, which provides an approx. resolution of 10 x 10 km)	1	Delete records without coordinates or with zero coordinates
2	Eliminate those coming from SINGER ^ψ that will be later replaced with Genesys records	2	Eliminate records with non-accurate coordinates (less than one decimal digit of decimal degree, which provides an approx. resolution of 10 x 10 km)
3	Eliminate records susceptible to be of low quality or not trustable according to the GBIF issues flags (https://gbif.github.io/gbif-api/apidocs/org/gbif/api/vocabulary/OccurrenceIssue.html)	3	Select cultivated species with only with sampstat codes* 100, 110 or 120
4	Eliminate records from unreliable sources (i.e. iNaturalist)	4	Select non cultivated species with sampstat 100, 110, 120, 200 or NA
5	Eliminate records of cultivated origin or cultivated in botanic gardens	5	Delete records cultivated in botanic gardens
6	Eliminate records found to be in country centroids or capitals, botanic gardens, GBIF headquarter	6	Eliminate records whose coordinates do not match with the reported country
7	Eliminate records with coordinates in the sea	7	Eliminate records found to be in country centroids or capitals, botanic gardens, GBIF headquarter
		8	Eliminate records with coordinates in the sea

*Sampstat codes: 100 = wild; 110 = natural; 120 = Semi-natural/wild; 200 =weedy; NA =Not available. ^ψ The System-wide Information Network for Genetic Resources (SINGER) was an information exchange network of the Future Harvest Centres of the Consultative Group on International Agricultural Research (CGIAR) and associated partners (<https://www.gbif.org/dataset/85818aea-f762-11e1-a439-00145eb45e9a>). The data it contained is now fully integrated in Genesys.

To create a high quality dataset, additional filters were applied to the downloaded data. This involved:

1) eliminating records dated before 1950

2) removing duplicates

(keeping the occurrence records that *a*) have locality field information, *b*) are most recent, *c*) have more fields completed (in this order))

3) removing records that are thought to be incompatible with CWR occurrence: urban areas, water bodies and sites with permanent snow and ice, according to the land use map of ESA CCI Land Cover project (2017)

4) removing records of the same taxon found to be within a 1 km buffer radius, as these could be considered to be part of the same population.

The complete process was carried out using a novel programme created using R functions and the following R packages: 'CoordinateCleaner' (Zizka et al., 2019), 'countrycode' (Arel-Bundock et al., 2018), 'data.table' (Dowle and Srinivasan, 2019), 'devtools' (Wickham et al., 2020), 'dplyr' (Wickham et al., 2019), 'magrittr' (Bache and Wickham, 2016), 'spocc' (Chamberlain, 2019), 'stringr' (Wickham, 2019), 'sp' (Pebesma and Bivand, 2005), 'ggplot2' (Wickham, 2016), 'tidyr' (Wickham and Henry, 2020), 'readxl' (Wickham and Bryan, 2019), 'rgeos' (Bivand and Rundel, 2019), 'mapproj' (Bivand and Lewin-Koh, 2019), 'rgdal' (Bivand et al., 2019), 'rworldmap' (South, 2011), 'rworldxtra' (South, 2012) and 'raster' (Hijmans, 2019).

5.3 Presence of European priority CWR in Natura 2000

Filtered and cleaned data were transformed into a shapefile using package 'sp' and visualized in a map using ArcGIS v. 10.4 (ESRI, 2016). Natura 2000 layer, a vector file containing polygons of Natura 2000 sites until 2018, was downloaded from the European Environment Agency website on 21/08/2019 (<https://www.eea.europa.eu/data-and-maps/data/natura-10/natura-2000-spatial-data/natura-2000-shapefile-1>, last accessed 02/03/2020). This layer contains polygons for Sites of Community Importance (SCI) designated under the Habitats Directive and Special Protection Areas (SPAs) designated under the Birds Directive (D 2009/147/EC) (European Commission, 2009). All sites were considered for analysis and the layer was incorporated into the ArcGIS software.

The 'selection by location' tool in ArcGIS allowed the selection of CWR populations that are within the limits of any of the polygons of Natura 2000. To those populations that occur within the boundaries of the polygons of Natura 2000, information related to each of these polygons was added through the 'join' function in ArcGIS. These new shapefiles were then saved and analysed.

In addition, we extracted information for taxa having 20 or less populations in total and identified Natura 2000 sites hosting populations of any of these taxa, so they can be highlighted as a high priority for conservation action.

5.4 CWR in the Habitats Directive

Using the Interpretation Manual of European Union Habitats (European Commission, DG Environment, 2013), Annex 1 of the Habitats Directive (Council Directive 92/43/EEC), (European Commission, 1992) was consulted to search for European priority CWR that are listed as characteristic species in any of the protected habitats by this normative. More than 2,500 synonyms of the inventory of European priority CWR, according to the taxonomy used in the Euro+Med Plantbase (<https://www.emplantbase.org/home.html>) were also considered. Subsequently, information on the presence of these taxa in the Natura 2000 network was obtained. In addition, Annexes II, IV and V of the Habitats Directive were consulted to identify European priority CWR that are listed. The importance of these Annexes stems from the fact that these sites must be managed in accordance with the ecological needs of the species (Annex II), that strict protections must be applied to the species within or outside Natura 2000 sites (Annex IV) and that the exploitation or wild harvesting of the species are compatible with the maintenance of a favorable conservation status of the species (Annex V). Finally, the populations of the priority CWR included in Annexes II, IV and V falling within the limits of Natura 2000 were identified.

6. Results

6.1 Target species and distribution data

The query to GBIF and Genesys databases and the subsequent filtering processes generated a database with information from the European Union countries plus United Kingdom containing more than 2.8 million data records for 568 taxa (384 at the species level and 184 at infraspecific level) (c. 66% of the taxa included in the inventory of European priority CWR).

6.2 Presence of CWR in Natura 2000

The analysis shows that 404,351 populations of 519 European priority CWR taxa (351 species and 168 taxa at infraspecific levels) occur in the Natura 2000 network—c. 14% of the populations recorded in the database (Figure 1) and 91% of the 568 taxa with high quality distribution data. Notably, all the populations of 49 priority CWR taxa recorded in the database occur outside the Natura 2000 network (Appendix B).

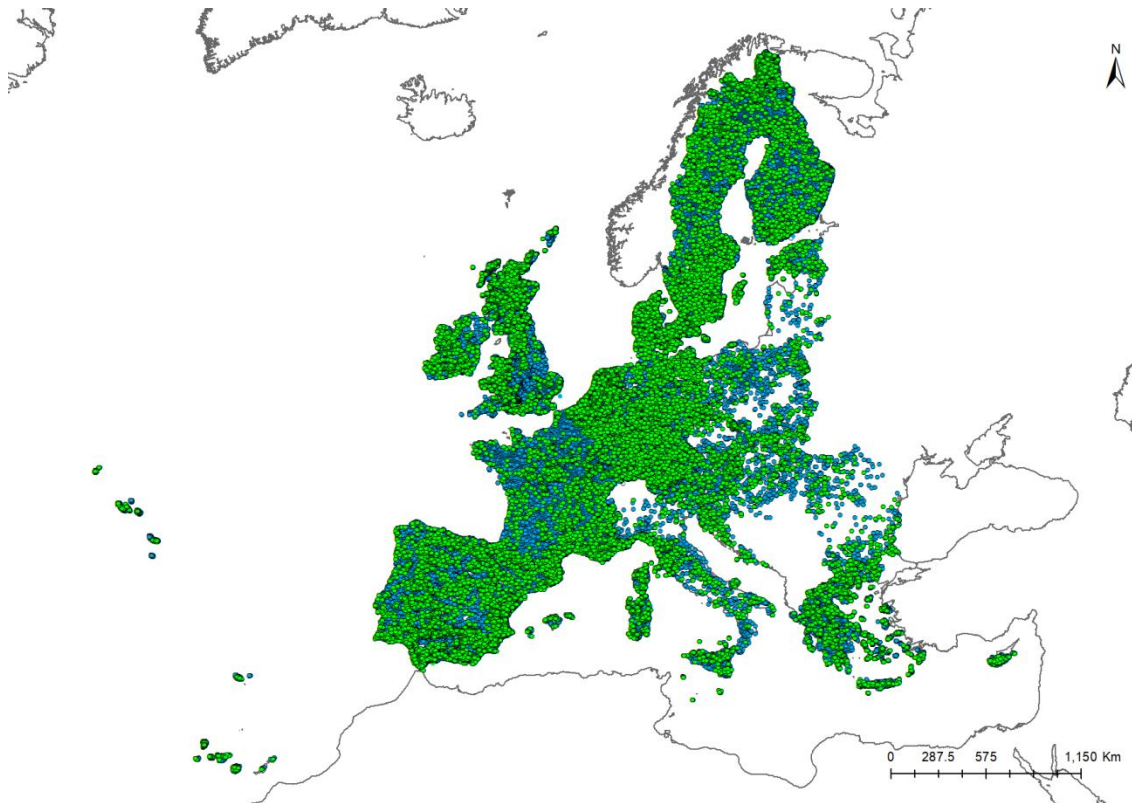


Figure 1: Distribution of populations of 568 European priority CWR taxa in the EU and the UK, showing the occurrences of 519 taxa in Natura 2000 in green

Regarding the effectiveness of Natura 2000 in covering CWR populations, we found populations of at least one European priority CWR taxon in approximately one third of the Natura 2000 sites (8,712 of the 27,856 Natura 2000 sites, Figure 2). For those taxa found in Natura 2000 sites, the mean number of taxa per site is close to 15 and the median 6. In total, 25% of the sites with CWR populations contain more than 19 taxa and another 25% contain only one or two. Serra d’Espadà, in Spain, (site code ES0000468, containing 3,830 priority CWR populations) is the site with the highest number of European priority CWR taxa (121). On the other hand, Veluwe, in The Netherlands, (site code NL9801023, hosting 95 European priority taxa) is the site with the highest number of populations (4,606).

The list of European priority CWR taxa with high quality georeferenced locations, the number of Natura 2000 sites where they are found and the number of populations occurring in Natura 2000 sites is shown in Appendix B.

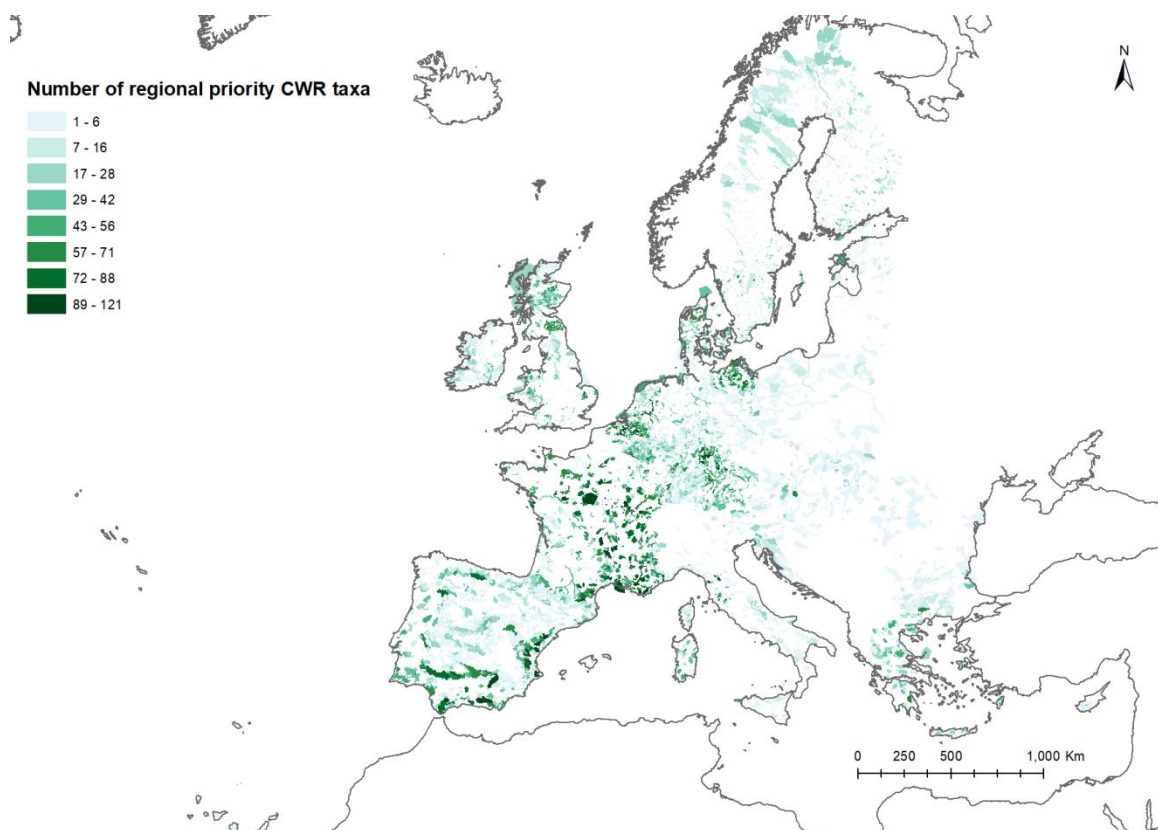


Figure 2: Natura 2000 sites that host populations of European priority CWR

Sites of special interest in this analysis are those hosting populations of priority CWR taxa with a low number of high quality records. These sites are very valuable for the establishment of genetic reserves because they hold populations of CWR poorly represented in the database and, thus, difficult to find in Europe. Their presence in the Natura 2000 network provides at least passive protection to these populations. Of the 173 taxa that have 20 or fewer populations recorded in the database, 125 (c. 72%) have at least one of their populations within Natura 2000 sites (with a total of 450 populations). The results show that 267 Natura 2000 sites contain these populations, with a maximum richness of five taxa (Table 2).

Table 2: Natura 2000 sites that contain populations of European priority CWR with a low number of high quality records (less than 20 populations)

SiteCode ¹	Total taxa	Total populations	SiteCode ¹	Total taxa	Total populations
GR4210029	5	7	ES4120030	1	1
GR4210006	5	5	ES4130037	1	1
ES0000024	4	15	ES4170029	1	1
ITA010029	4	8	ES4170116	1	1
GR2520006	4	7	ES4230014	1	1
ITA010027	4	5	ES5110024	1	1
PTCON0012	3	7	ES5130003	1	1
GR2450005	3	5	ES5213042	1	1
GR2540008	3	4	ES6110003	1	1
GR2550006	3	4	ES6130007	1	1
GR4330005	3	4	ES6170007	1	1
ES0000044	3	3	ES6170009	1	1
GR2210001	3	3	ES6170010	1	1
GR4320002	3	3	ES7010010	1	1
GR4330007	3	3	ES7010012	1	1
IT5160013	3	3	ES7010055	1	1
ES6140004	2	13	ES7020022	1	1
FR9310019	2	7	ES7020028	1	1
ES4210008	2	5	ES7020051	1	1
ES6170012	2	5	ES7020096	1	1
ES6110008	2	4	ES7020101	1	1
ES6140005	2	4	FR2601012	1	1
ES7010062	2	4	FR2612001	1	1
ES7020095	2	4	FR7200756	1	1
GR4210005	2	4	FR7200775	1	1
IT5120019	2	4	FR8312011	1	1
IT51A0023	2	4	FR9101406	1	1
ITB011102	2	4	FR9112022	1	1
GR1330002	2	3	FR9301595	1	1
GR4220021	2	3	FR9400570	1	1
SKUEV0307	2	3	GR1110002	1	1
BG0000154	2	2	GR1140008	1	1
CY4000020	2	2	GR1140009	1	1
DE6124372	2	2	GR1220001	1	1
ES0000053	2	2	GR1240009	1	1
ES0000090	2	2	GR1250002	1	1
ES0000106	2	2	GR1310002	1	1
ES0000337	2	2	GR1320002	1	1
ES4130003	2	2	GR1340007	1	1
ES6170006	2	2	GR1440005	1	1

SiteCode ¹	Total taxa	Total populations	SiteCode ¹	Total taxa	Total populations
ES6200023	2	2	GR2130013	1	1
GR2430001	2	2	GR2420001	1	1
GR2450001	2	2	GR2430002	1	1
GR4120005	2	2	GR2450002	1	1
GR4210002	2	2	GR2510004	1	1
GR4210024	2	2	GR2540002	1	1
GR4210026	2	2	GR2540005	1	1
GR4220008	2	2	GR2540007	1	1
IT51A0017	2	2	GR2550009	1	1
ITA020008	2	2	GR4110004	1	1
PTCON0034	2	2	GR4120004	1	1
ES0000031	1	6	GR4120008	1	1
ES4190033	1	3	GR4130003	1	1
ES6120015	1	3	GR4210003	1	1
IT51A0003	1	3	GR4210019	1	1
BG0002043	1	2	GR4220001	1	1
ES0000049	1	2	GR4220006	1	1
ES0000128	1	2	GR4220011	1	1
ES2200037	1	2	GR4220028	1	1
ES2410012	1	2	GR4320005	1	1
ES2410057	1	2	GR4320006	1	1
ES4120031	1	2	GR4320010	1	1
ES6120008	1	2	GR4320016	1	1
ES6130002	1	2	GR4330006	1	1
ES6140001	1	2	GR4340004	1	1
ES6170016	1	2	GR4340008	1	1
ES7010039	1	2	GR4340012	1	1
ES7020039	1	2	GR4340013	1	1
ES7020107	1	2	HR2000592	1	1
GR1240008	1	2	HR2001357	1	1
GR2130006	1	2	HUDI20039	1	1
GR2320013	1	2	IT1160056	1	1
GR2440007	1	2	IT1343511	1	1
GR2520005	1	2	IT5130009	1	1
GR2530001	1	2	IT5180008	1	1
GR4220010	1	2	IT5190006	1	1
ITA020021	1	2	IT5190007	1	1
ITA030012	1	2	IT51A0016	1	1
ITB010001	1	2	IT51A0018	1	1
ITB021103	1	2	IT51A0020	1	1
ITB021107	1	2	IT51A0025	1	1
BG0000102	1	1	IT51A0036	1	1
BG0000151	1	1	IT5210071	1	1
BG0000208	1	1	IT6020017	1	1

SiteCode ¹	Total taxa	Total populations	SiteCode ¹	Total taxa	Total populations
BG0000212	1	1	IT7110128	1	1
BG0001001	1	1	IT7120201	1	1
BG0002040	1	1	IT7140129	1	1
BG0002044	1	1	IT8050051	1	1
BG0002082	1	1	IT8050055	1	1
CY2000006	1	1	IT9130005	1	1
CY2000015	1	1	IT9130007	1	1
CY4000004	1	1	IT9310301	1	1
CY4000007	1	1	IT9310303	1	1
CY4000010	1	1	ITA010004	1	1
CY4000017	1	1	ITA010017	1	1
CY5000004	1	1	ITA010030	1	1
CY5000010	1	1	ITA020007	1	1
CY5000011	1	1	ITA020014	1	1
CY6000003	1	1	ITA020042	1	1
CY6000011	1	1	ITA020050	1	1
DE4229401	1	1	ITA070005	1	1
DE7327341	1	1	ITA070016	1	1
DE7912442	1	1	ITA080003	1	1
DE8342301	1	1	ITB011109	1	1
ES0000015	1	1	ITB020014	1	1
ES0000025	1	1	ITB022212	1	1
ES0000043	1	1	ITB023051	1	1
ES0000050	1	1	NL1000007	1	1
ES0000092	1	1	NL1000013	1	1
ES0000107	1	1	NL1000017	1	1
ES0000118	1	1	NL2003036	1	1
ES0000129	1	1	NL2014038	1	1
ES0000140	1	1	NL2014067	1	1
ES0000173	1	1	NL9801023	1	1
ES0000224	1	1	PLC140001	1	1
ES0000231	1	1	PLC180001	1	1
ES0000287	1	1	PLH200007	1	1
ES0000292	1	1	PTCON0002	1	1
ES0000300	1	1	PTCON0010	1	1
ES0000345	1	1	PTCON0013	1	1
ES0000376	1	1	PTCON0036	1	1
ES0000425	1	1	PTCON0047	1	1
ES1110002	1	1	PTTER0017	1	1
ES1130002	1	1	PTZPE0017	1	1
ES1140010	1	1	PTZPE0023	1	1
ES1140013	1	1	PTZPE0045	1	1
ES1140015	1	1	ROSCI0122	1	1
ES1300001	1	1	ROSCI0211	1	1

SiteCode ¹	Total taxa	Total populations	SiteCode ¹	Total taxa	Total populations
ES2110018	1	1	ROSPA0094	1	1
ES2200021	1	1	ROSPA0171	1	1
ES2200031	1	1	SI3000276	1	1
ES2420133	1	1	SKUEV0019	1	1
ES2430101	1	1	UK9004381	1	1
ES3110004	1	1			

¹Further information on these sites can be obtained at <https://www.eea.europa.eu/data-and-maps/data/natura-11>

6.3 CWR in the Habitats Directive

Annex I of the Habitats Directive lists 233 habitats types for which special sites must be designated for their conservation. Of these, 83 habitats types – which represent all nine habitat categories of the Directive (Figure 3) – include at least one European priority CWR amongst their characteristic species (Table 3). Together, these habitats include 84 European priority CWR as characteristic species (Table 4). Seventy-three taxa out of these 84 are represented in the high quality occurrence database, and 72 have at least one of their populations within the limits of Natura 2000 sites (Appendix B), although all of them must be present in the Natura 2000 sites by definition.

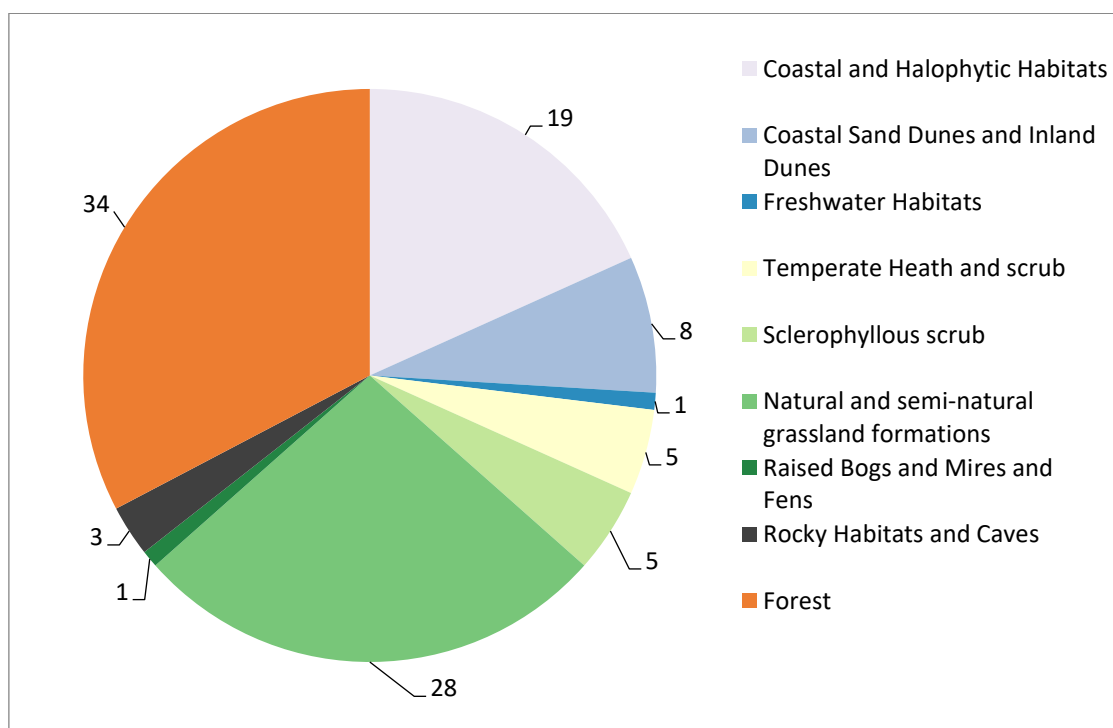


Figure 3: Distribution of 84 European priority CWR taxa that are characteristic of the main habitat categories listed in Annex I of the Habitats Directive . The sum of taxa in the different main habitat categories is greater than 84 because some taxa occur in several habitats.

Table 3: Annex I protected habitats in the Habitats Directive that include European priority crop wild relatives amongst their characteristic species. * The sum of taxa across the different habitat types is greater than 84 because some taxa occur in several habitats.

Habitat category	Habitat subcategory	Habitat code	Habitat type ¹	No. CWR taxa*	
Coastal and Halophytic Habitats	Sea cliffs and shingle or stony beaches	1220	Perennial vegetation of stony banks	1	
		1230	Vegetated sea cliffs of the Atlantic and Baltic coasts	2	
		1250	Vegetated sea cliffs with endemic flora of the Macaronesian coasts	2	
	Atlantic and continental salt marshes and salt meadows	1310	Salicornia and other annuals colonising mud and sand	1	
		1330	Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>)	3	
	Mediterranean and thermo-Atlantic saltmarshes and salt meadows	1410	Mediterranean salt meadows (<i>Juncetalia maritimi</i>)	3	
		1430	Halo-nitrophilous scrubs (<i>Pegano-Salsoletea</i>)	2	
	Salt and gypsum inland steppes	1530	Pannonic salt steppes and salt marshes	4	
	Boreal Baltic archipelago, coastal and landupheaval areas	1610	Baltic esker islands with sandy, rocky and shingle beach vegetation and sublittoral vegetation	1	
		1620	Boreal baltic islets and small islands	2	
		1630	Boreal baltic coastal meadows	2	
		1640	Boreal Baltic sandy beaches with perennial vegetation	2	
	Coastal Sand Dunes and Inland Dunes	Sea dunes of the Atlantic, North Sea and Baltic coasts	2110	Embryonic shifting dunes	2
			2120	Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes)	2
21A0			Machairs	5	
Inland dunes, old and decalcified					
		2340	Pannonic inland dunes	1	

Freshwater Habitats	Running water	3220	Alpine rivers and the herbaceous vegetation along their banks	1	
Temperate Heath and scrub		4090	Endemic oro-Mediterranean heaths with gorse	1	
		40A0	Subcontinental peri-Pannonic scrub	2	
		40C0	Ponto-Sarmatic deciduous thickets	2	
Sclerophyllous scrub		Sub-Mediterranean and temperate scrub	5110	Stable xerothermophilous formations with <i>Buxus sempervirens</i> on rock slopes (<i>Berberidion</i> p.p.)	2
			5130	<i>Juniperus communis</i> formations on heaths or calcareous grassland	1
		Mediterranean arborescent matorral	5220	Arborescent matorral with <i>Zyziphus</i>	1
			5230	Arborescent matorral with <i>Laurus nobilis</i>	1
		Thermo-Mediterranean and pre-steppe brush	5320	Low formations of <i>Euphorbia</i> close to cliffs	1
Phrygana	5420	<i>Sarcopoterium spinosum</i> phryganas	1		
Natural and semi-natural grassland formations		Natural grasslands	6120	Xeric sand calcareous grasslands	2
			6130	Calaminarian grasslands of the <i>Violetalia calaminariae</i>	1
			6170	Alpine and subalpine calcareous grasslands	1
			6180	Macaronesian mesophile grasslands	1
		Semi-natural dry grasslands and scrubland facies	6210	Semi-natural dry grasslands and scrubland facies on calcareous substrates(<i>Festuco-Brometalia</i>)(* important orchid sites)	1
			6230	Species-rich <i>Nardus</i> grasslands, on siliceous substrates in mountain areas (and submountain areas, in Continental Europe)	1
			6250	Pannonic loess steppic grasslands	2

		6260	Pannonic sand steppes	1
		6270	Fennoscandian lowland species-rich dry to mesic grasslands	4
		6280	Nordic alvar and precambrian calcareous flatrocks	1
		62C0	Ponto-Sarmatic steppes	2
		62D0	Oro-Moesian acidophilous grasslands	1
		6410	<i>Molinia</i> meadows on calcareous, peaty or clayey-siltladen soils (<i>Molinion caeruleae</i>)	1
	Semi-natural tall-herb humid meadows	6420	Mediterranean tall humid herb grasslands of the <i>Molinio-Holoschoenion</i>	2
		6450	Northern boreal alluvial meadows	2
		6460	Peat grasslands of Troodos	1
		6510	Lowland hay meadows (<i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i>)	5
	Mesophile grasslands	6520	Mountain hay meadows	1
		6530	Fennoscandian wooded meadows	4
		6540	Sub-Mediterranean grasslands of the <i>Molinio-Hordeion secalini</i>	2
Raised Bogs and Mires and Fens	Sphagnum acid bogs	7110	Active raised bogs	1

Rocky Habitats and Caves	Rocky slopes with chasmophytic vegetation	8230	Siliceous rock with pioneer vegetation of the <i>Sedo-Scleranthion</i> or of the <i>Sedo albi-Veronicion dillenii</i>	1
	Rocky slopes with chasmophytic vegetation	8240	Limestone pavements	2
Forest	Forests of Boreal Europe	9010	Western Taiga	1
		9020	Fennoscandian hemiboreal natural old broad-leaved deciduous forests (<i>Quercus, tilia, Acer, Fraxinus</i> or <i>Ulmus</i>) rich in epiphytes	1
		9040	Nordic subalpine/subarctic forests with <i>Betula pubescens</i> ssp. <i>Czerepanovii</i>	1
		9060	Coniferous forests on, or connected to, glaciofluvial eskers	2
		9070	Fennoscandian wooded pastures	2
	Forests of temperate Europe	9160	Sub-Atlantic and medio-European oak or oakhornbeam forests of the <i>Carpinion betuli</i>	1
		9170	<i>Galio-Carpinetum</i> oak-hornbeam forests	1
		9180	<i>Tilio-Acerion</i> forests of slopes, screes and ravines	1
		91D0	Bog Woodland	1
		91F0	Riparian mixed forests of <i>Quercus robur</i> , <i>Ulmus laevis</i> and <i>Ulmus minor</i> , <i>Fraxinus excelsior</i> or <i>Fraxinus angustifolia</i> , along the great rivers (<i>Ulmion minoris</i>)	5

		91G0	Pannonic woods with <i>Quercus petraea</i> and <i>Carpinus betulus</i>	1
		91H0	Pannonian woods with <i>Quercus pubescens</i>	1
		91I0	Euro-Siberian steppic woods with <i>Quercus</i> spp.	3
		91K0	Illyrian <i>Fagus sylvatica</i> forests (<i>Aremonio-Fagion</i>)	1
		91L0	Illyrian oak –hornbeam forests (<i>Erythronio-Carpinion</i>)	1
		91M0	Pannonian-Balkan turkey oak-sessile oak forests	1
		91N0	Pannonic inland sand dune thicket (<i>Junipero-Populetum albae</i>)	2
		91P0	Holy Cross fir forests (<i>Abietetum polonicum</i>)	1
		91W0	Moesian beech forests	1
		91Y0	Dacian oak & hornbeam forests	2
	Mediterranean deciduous forests	9210	Apennine beech forests with <i>Taxus</i> and <i>Ilex</i>	1
		9220	Apennine beech forests with <i>Abies alba</i> and beech forests with <i>Abies nebrodensis</i>	1
		9260	<i>Castanea sativa</i> woods	1
		92A0	<i>Salix alba</i> and <i>Populus alba</i> galleries	1
		92C0	<i>Platanus orientalis</i> and <i>Liquidambar orientalis</i> woods (<i>Plantanion orientalis</i>)	2
		92D0	Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)	1
	Mediterranean sclerophyllous forests	9320	<i>Olea</i> and <i>Ceratonia</i> forests	4
		9340	<i>Quercus ilex</i> and <i>Quercus rotundifolia</i> forests	1

		9360	Macaronesian laurel forests (<i>Laurus, Ocotea</i>)	4
		9370	Palm groves of <i>Phoenix</i>	2
		93A0	Woodlands with <i>Quercus infectoria</i> (<i>Anagyro foetidae- Quercetum infectoriae</i>)	2
	Mediterranean and Macaronesian mountainous coniferous forests	9540	Mediterranean pine forests with endemic Mesogean pines	1
		9570	<i>Tetraclinis articulata</i> forests	1
		9590	<i>Cedrus brevifolia</i> forests (<i>Cedrosetum brevifoliae</i>)	1

¹Detailed information about the habitat types can be found at:
https://ec.europa.eu/environment/nature/legislation/habitatsdirective/docs/Int_Manual_EU28.pdf

Table 4: European priority crop wild relatives that are characteristic species of Annex I habitats of the Habitats Directive, number of different habitats in which they are characteristic species, habitats codes and name in the Interpretation Manual of the Habitats Directive when a synonym is used.

Family	Scientific name	No. Habitats	Habitats Code	Scientific name in Interpretation Manual of the Habitats Directive
Poaceae	<i>Agropyron cristatum</i> subsp. <i>brandzae</i> (Panțu & Solacolu) Melderis	1	62C0	<i>A. brandzae</i>
Poaceae	<i>Agropyron cristatum</i> subsp. <i>pectinatum</i> (M. Bieb.) Tzvelev	1	6250	<i>A. pectinatum</i>
Poaceae	<i>Agrostis capillaris</i> L.	4	6270, 62D0, 9010, 9070	
Poaceae	<i>Agrostis gigantea</i> Roth	1	3220	
Poaceae	<i>Agrostis stolonifera</i> L.	4	1330, 1620, 1630, 6420	
Amaryllidaceae	<i>Allium schoenoprasum</i> L.	2	1620, 6120	
Amaryllidaceae	<i>Allium schoenoprasum</i> L. subsp. <i>schoenoprasum</i>	1	8230	<i>A. montanum</i>
Poaceae	<i>Alopecurus pratensis</i> L.	1	6510	
Poaceae	<i>Arrhenatherum elatius</i> (L.) J. Presl & C. Presl	1	6510	
Asparagaceae	<i>Asparagus albus</i> L.	2	5220, 9570	
Asparagaceae	<i>Asparagus fallax</i> Svent.	1	9360	
Asparagaceae	<i>Asparagus officinalis</i> L.	1	40A0	
Asparagaceae	<i>Asparagus verticillatus</i> L.	1	40C0	
Fabaceae	<i>Astragalus arenarius</i> L.	1	6120	
Chenopodiaceae	<i>Atriplex halimus</i> L.	1	1430	
Chenopodiaceae	<i>Beta vulgaris</i> L.	1	1330	
Brassicaceae	<i>Brassica oleracea</i> L.	1	1230	
Fagaceae	<i>Castanea sativa</i> Mill.	2	91L0, 9260	
Corylaceae	<i>Corylus avellana</i> L.	3	6530, 9020, 9180	
Corylaceae	<i>Corylus colurna</i> L.	1	91K0	
Poaceae	<i>Cynodon dactylon</i> (L.) Pers.	3	1530, 2340, 6260	

Poaceae	<i>Dactylis glomerata</i> L.	1	92C0	
Poaceae	<i>Dactylis glomerata</i> subsp. <i>lobata</i> (Drejer) H. Lindb.	2	9160, 91I0	<i>D. poligama</i>
Apiaceae	<i>Daucus carota</i> L.	1	6510	
Apiaceae	<i>Daucus carota</i> subsp. <i>azoricus</i> Franco	1	1250	<i>D. carota</i> ssp. <i>azorica</i>
Poaceae	<i>Elytrigia elongata</i> (Host) Nevski	1	1530	<i>Agropyron elongatum</i>
Poaceae	<i>Elytrigia intermedia</i> (Host) Nevski	2	6250, 62C0	<i>Elymus hispidus</i>
Poaceae	<i>Elytrigia juncea</i> subsp. <i>boreoatlantica</i> (Simonet & Guin.) Hyl.	1	1640	
Poaceae	<i>Festuca heterophylla</i> Lam.	4	9170, 91G0, 91M0, 91Y0	
Poaceae	<i>Festuca ovina</i> L.	5	6230, 6270, 6280, 6450, 6530	
Poaceae	<i>Festuca ovina</i> subsp. <i>ophiolicola</i> (Kerguelen) M. Wilk.	1	6130	<i>F. ophiolicola</i>
Poaceae	<i>Festuca rubra</i> L.	4	1330, 1630, 21A0, 6270	
Poaceae	<i>Festuca rubra</i> subsp. <i>pruinosa</i> (Hack.) Piper	1	1230	
Rosaceae	<i>Fragaria vesca</i> L.	3	9060, 9070, 91W0	
Poaceae	<i>Hordeum bulbosum</i> subsp. <i>nodosum</i> (L.) B. R. Baum	1	1410	<i>H. nodosum</i>
Poaceae	<i>Hordeum marinum</i> Huds.	2	1310, 1410	<i>H. marinum</i>
Cannabaceae	<i>Humulus lupulus</i> L.	1	91F0	
Juglandaceae	<i>Juglans regia</i> L.	2	92A0, 92C0	
Compositae	<i>Lactuca cyprica</i> (Rech. f.) N. Kilian & Greuter	1	9590	<i>Cephalorrhynchus cypricus</i>
Compositae	<i>Lactuca watsoniana</i> Trel.	1	6180	
Poaceae	<i>Leymus arenarius</i> (L.) Hochst.	5	1220, 1610, 1640, 2110, 2120	
Linaceae	<i>Linum bienne</i> Mill.	1	6510	
Fabaceae	<i>Lotus corniculatus</i> L.	1	21A0	
Fabaceae	<i>Lotus pedunculatus</i> Cav.	1	6410	<i>Lotus uliginosus</i>
Fabaceae	<i>Lotus subbiflorus</i> Lag.	1	1250	

Rosaceae	<i>Malus sylvestris</i> (L.) Mill.	1	6530	
Fabaceae	<i>Medicago falcata</i> L.	1	6210	
Fabaceae	<i>Medicago marina</i> L.	2	2110, 2120	
Myrtaceae	<i>Myrtus communis</i> L.	1	9320	
Oleaceae	<i>Olea europaea</i> L. subsp. <i>europaea</i>	1	5230	<i>Olea europaea</i> var. <i>sylvestris</i>
Oleaceae	<i>Olea europaea</i> subsp. <i>cerasiformis</i> G. Kunkel & Sunding	1	9320	
Poaceae	<i>Phalaroides arundinacea</i> (L.) Rauschert	2	6450, 91F0	<i>Phalaris arundinacea</i>
Poaceae	<i>Phleum pratense</i> subsp. <i>brachystachyum</i> (Salis) Gamisans	1	6170	<i>Phleum brachysrachyum</i>
Arecaceae	<i>Phoenix canariensis</i> Chabaud	1	9370	<i>Medicago sativa</i> ssp. <i>falcata</i>
Arecaceae	<i>Phoenix theophrasti</i> Greuter	1	9370	
Anacardiaceae	<i>Pistacia atlantica</i> Desf.	1	9320	
Anacardiaceae	<i>Pistacia lentiscus</i> L.	5	5320, 5420, 9320, 93A0, 9540	
Anacardiaceae	<i>Pistacia terebinthus</i> L.	2	9340, 93A0	
Plantaginaceae	<i>Plantago lanceolata</i> L.	3	21A0, 6270, 6530	
Poaceae	<i>Poa pratensis</i> L.	2	21A0, 6460	
Rosaceae	<i>Prunus fruticosa</i> Pall.	1	40A0	<i>Cerasus fruticosa</i>
Rosaceae	<i>Prunus lusitanica</i> L.	2	92D0, 9360	
Rosaceae	<i>Prunus lusitanica</i> subsp. <i>azorica</i> (Mouill.) Franco	1	9360	
Rosaceae	<i>Prunus lusitanica</i> subsp. <i>hixa</i> (Willd.) Franco	1	9360	
Rosaceae	<i>Prunus mahaleb</i> L.	2	5110, 91N0	
Rosaceae	<i>Prunus padus</i> L.	1	91F0	
Rosaceae	<i>Prunus prostrata</i> Labill.	1	4090	
Rosaceae	<i>Prunus spinosa</i> L.	8	40C0, 5110, 5130, 8240, 91I0, 91N0. 9210, 9220	
Rosaceae	<i>Pyrus communis</i> subsp. <i>pyraster</i> (L.) Ehrh.	2	91H0, 91I0	<i>P. pyraster</i>

Rosaceae	<i>Pyrus elaeagnifolia</i> Pall.	1	91Y0	
Grossulariaceae	<i>Ribes rubrum</i> L.	1	91F0	
Grossulariaceae	<i>Ribes spicatum</i> E. Robson	1	8240	
Rosaceae	<i>Rubus idaeus</i> L.	1	91P0	<i>R. idaes</i>
Rosaceae	<i>Rubus saxatilis</i> L.	2	9040, 9060	
Chenopodiaceae	<i>Salsola vermiculata</i> L.	1	1430	
Poaceae	<i>Schedonorus arundinaceus</i> subsp. <i>orientalis</i> (Hack.) H. Scholz & Valdés	1	1530	<i>Festuca arundinacea</i> ssp. <i>orientalis</i>
Fabaceae	<i>Trifolium fragiferum</i> L.	2	1530, 6540	
Fabaceae	<i>Trifolium michelianum</i> Savi	1	1410	
Fabaceae	<i>Trifolium repens</i> L.	1	21A0	
Fabaceae	<i>Trifolium resupinatum</i> L.	2	6420, 6540	
Poaceae	<i>Trisetum flavescens</i> (L.) P. Beauv.	1	6520	
Poaceae	<i>Trisetum flavescens</i> (L.) P. Beauv. subsp. <i>flavescens</i>	1	6510	
Ericaceae	<i>Vaccinium oxycoccos</i> L.	2	7110, 91D0	
Vitaceae	<i>Vitis vinifera</i> L.	1	91F0	<i>V. vinifera</i> ssp. <i>Sylvestris</i>

Seventeen European priority CWR taxa are listed in both Annexes II and IV of the Habitats Directive (Table 5), but none in Annex V. Seven of these are given the status of priority species in the Directive, which means the Community has particular responsibility in view of the proportion of their natural range which falls within the territory. Information extracted for populations of the 17 taxa protected by Annexes II and IV, show that three are represented in the high quality occurrence database by more than 50 populations: *Lactuca watsoniana* Trel. (369 populations), *Brassica insularis* Moris (62 populations) and *Coincya monensis* subsp. *cheiranthos* (Vill.) Aedo, Leadley & Muñoz Garm (57 populations). The remaining 14 taxa are represented in the database by a maximum of four populations, and six of them did not have any records at all. Finally, all taxa with occurrence records had at least one of their populations within the limits of Natura 2000, with the exception of *Diplotaxis siettiana* Maire and *Crambe arborea* H. Christ.

Table 5: European priority crop wild relative taxa included in Annexes II and IV of the Habitats Directive, the number of populations with high quality georeferences recorded in GBIF or Genesys, and the number that occur in the Natura 2000 network.

Family	Scientific name	Red List Category (Europe) ¹	Total pops	Pops N2000
Chenopodiaceae	<i>Beta patula</i> Aiton	CR	1	1
Brassicaceae	<i>Brassica hilarionis</i> Post	EN	0	0
	<i>Brassica insularis</i> Moris	NT	62	20
	<i>Brassica macrocarpa</i> Guss.*	CR	3	3
	<i>Brassica repanda</i> subsp. <i>glabrescens</i> (Poldini) Gómez Campo (= <i>B. glabrescens</i>)	VU	0	0
	<i>Coincya monensis</i> subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadley & Muñoz Garm (= <i>Rhynchosinapis erucastrum</i> subsp. <i>Cintrana</i>)	NE	57	17
	<i>Crambe arborea</i> H. Christ*	VU	1	0
	<i>Crambe laevigata</i> DC. ex H. Christ	EN	2	2
	<i>Crambe sventenii</i> B. Pett. ex Bramwell & Sundell*	CR	0	0
	<i>Diplotaxis siettiana</i> Maire*	CR	1	0
	<i>Diplotaxis siifolia</i> subsp. <i>vicentina</i> (Samp.) Mart.-Laborde	CR	4	4
<i>Sinapidendron rupestre</i> Lowe	CR	0	0	
Compositae	<i>Lactuca watsoniana</i> Trel.*	EN	369	240
Arecaceae	<i>Phoenix theophrasti</i> Greuter	NE	3	2
Rosaceae	<i>Prunus lusitanica</i> subsp. <i>azorica</i> (Mouill.) Franco (= <i>P. azorica</i>)	NE	0	0
	<i>Pyrus magyarica</i> Terpó*	CR	0	0
Solanaceae	<i>Solanum lidii</i> Sunding*	CR	3	0

¹ European Red List of Vascular Plants –

ec.europa.eu/environment/nature/conservation/species/redlist/downloads/European_vascular_plants.pdf. CR – Critically Endangered; EN – Endangered; VU – Vulnerable; NT – Near Threatened; NA – Not Evaluated. *denotes a priority species in Annex II. Total pops: Total number of populations recorded in the high-quality occurrence database; Pops N2000: number of populations within Natura 2000 network.

7. Final considerations and conclusions

The database developed for the EU and United Kingdom in the context of the Farmer's Pride project is the largest CWR database with high quality occurrence data currently available. The meticulous filtering and rigorous cleaning of the dataset greatly improves its value for conservation planning as it increases the chances that the target taxa will actually be found at the localities indicated by the records. However, there are some limitations that require further attention. First, the GBIF database provides an uneven distribution of plant occurrence records across Europe because the countries have different degrees of collaboration with GBIF (www.gbif.org/the-gbif-network), some of the chorological records are not digitized, and there is a different intensity of botanical exploration in the territories. Thus, the scarce number of CWR populations in some countries or N2000 sites cannot be directly associated with a lower occurrence of CWR in these territories. Therefore, the results provided here are conservative in the sense that we can assure that there are at least these populations of European priority CWR in the Natura 2000 network, but there are certainly many more that have not been recorded in this work.

Taking into account that these estimates are conservative, the potential role of Natura 2000 in conserving European priority CWR is significant, with 31% of the sites in the network including at least 519 taxa (351 species plus 168 taxa at the subspecies, nothosubspecies or variety levels). Although Natura 2000 targets the conservation of species that are threatened, vulnerable, rare or endemic, it also shows good suitability for the conservation of CWR. While the representation of European priority CWR in Natura 2000 is very high, we can expect it to increase with a more complete occurrence dataset (i.e., including records for taxa for which we were unable to obtain high quality data from GBIF and Genesys, and from countries that are not well covered in this dataset). This assumption is also supported by the high number of taxa found in Natura 2000 with a low number of occurrences in our dataset – 0.96 % of the network sites encompassing 72% of taxa for which we have records of 20 or less populations. However, it is still unknown to what extent the network conserves within-taxa diversity of CWR.

The results of the analysis of European priority CWR that appear as characteristic species of the Habitats Directive Annex I protected habitats also highlights the potential value of Natura 2000 for the conservation of CWR taxa. Eighty-four taxa (c. 10% of the taxa in the European priority CWR inventory) are characteristic plants of around one third of the protected habitat types, representing all the main habitat categories described in the Directive. Furthermore, 17 priority CWR taxa are listed in Annexes II and IV of the Directive. The actions taken either to maintain or improve the status of the protected habitats or species may already be contributing to the conservation of European priority CWR taxa.

Based on the results of this research, we can conclude that the Natura 2000 network provides an important foundation for *in situ* CWR conservation in Europe, and that there is therefore great potential to implement *in situ* CWR conservation actions under the legal framework of the Habitats Directive. This would not require substantial further investment from EU member countries – only recognition of the valuable plant genetic resources that exist in Natura 2000 which are already under some degree of conservation management. This would provide a priceless contribution to food security in Europe and other world regions.

Finally, the results of this research provide an opportunity to establish pilot genetic reserves for active conservation management of CWR in the Natura 2000 network. A next step to

improve knowledge on the occurrence of CWR in the network could be for site managers to identify CWR in their botanical inventories and take into account their unique value when designing, updating and implementing the site management plans.

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Appendix A: European priority CWR¹

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Aegilops bicornis</i> (Forssk.) Jaub. & Spach	Cereals	Wheat
<i>Aegilops biuncialis</i> subsp. <i>archipelagica</i> (Eig) Raus	Cereals	Wheat
<i>Aegilops biuncialis</i> Vis.	Cereals	Wheat
<i>Aegilops biuncialis</i> Vis. subsp. <i>biuncialis</i>	Cereals	Wheat
<i>Aegilops caudata</i> L.	Cereals	Wheat
<i>Aegilops caudata</i> L. subsp. <i>caudata</i>	Cereals	Wheat
<i>Aegilops caudata</i> subsp. <i>polyathera</i> (Boiss.) Zhuk.	Cereals	Wheat
<i>Aegilops columnaris</i> Zhuk.	Cereals	Wheat
<i>Aegilops comosa</i> Sm.	Cereals	Wheat
<i>Aegilops comosa</i> Sm. subsp. <i>comosa</i>	Cereals	Wheat
<i>Aegilops comosa</i> subsp. <i>heldreichii</i> (Boiss.) Eig	Cereals	Wheat
<i>Aegilops crassa</i> Boiss.	Cereals	Wheat
<i>Aegilops cylindrica</i> Host	Cereals	Wheat
<i>Aegilops geniculata</i> Roth	Cereals	Wheat
<i>Aegilops juvenalis</i> (Thell.) Eig	Cereals	Wheat
<i>Aegilops kotschyi</i> Boiss.	Cereals	Wheat
<i>Aegilops neglecta</i> Bertol.	Cereals	Wheat
<i>Aegilops peregrina</i> (Hack.) Maire & Weiller	Cereals	Wheat
<i>Aegilops peregrina</i> (Hack.) Maire & Weiller subsp. <i>peregrina</i>	Cereals	Wheat
<i>Aegilops peregrina</i> subsp. <i>cylindrostachys</i> (Eig & Feinbrun) Maire & Weiller	Cereals	Wheat
<i>Aegilops speltoides</i> subsp. <i>ligustica</i> (Savign.) Zhuk.	Cereals	Wheat
<i>Aegilops speltoides</i> Tausch	Cereals	Wheat

¹Kell, S. (2020, in prep.). Native and introduced CWR taxa are included because introduced populations can rapidly adapt to local environmental conditions and may harbour important genetic diversity of value for crop improvement.

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Aegilops speltoides</i> Tausch subsp. <i>speltoides</i>	Cereals	Wheat
<i>Aegilops tauschii</i> Coss.	Cereals	Wheat
<i>Aegilops tauschii</i> Coss. subsp. <i>tauschii</i>	Cereals	Wheat
<i>Aegilops triuncialis</i> L.	Cereals	Wheat
<i>Aegilops triuncialis</i> L. subsp. <i>triuncialis</i>	Cereals	Wheat
<i>Aegilops triuncialis</i> subsp. <i>persica</i> (Boiss.) Zhuk.	Cereals	Wheat
<i>Aegilops umbellulata</i> Zhuk.	Cereals	Wheat
<i>Aegilops uniaristata</i> Vis.	Cereals	Wheat
<i>Aegilops vavilovii</i> (Zhuk.) Chennav.	Cereals	Wheat
<i>Aegilops ventricosa</i> Tausch	Cereals	Wheat
<i>Agropyron cimmericum</i> Nevski	Cereals	Wheat
<i>Agropyron cimmericum</i> Nevski	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> (L.) Gaertn.	Cereals	Wheat
<i>Agropyron cristatum</i> (L.) Gaertn.	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> (L.) Gaertn. subsp. <i>cristatum</i>	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>brandzae</i> (Panțu & Solacolu) Melderis	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>kazachstanicum</i> Tzvelev	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>pectinatum</i> (M. Bieb.) Tzvelev	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>ponticum</i> (Nevski) Tzvelev	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>puberulum</i> (Steud.) Tzvelev	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>sabulosum</i> Lavrenko	Fodder/forage	Crested wheatgrass
<i>Agropyron cristatum</i> subsp. <i>sclerophyllum</i> Tzvelev	Fodder/forage	Crested wheatgrass
<i>Agropyron dasyanthum</i> Ledeb.	Cereals	Wheat
<i>Agropyron dasyanthum</i> Ledeb.	Fodder/forage	Crested wheatgrass
<i>Agropyron desertorum</i> (Link) Schult.	Cereals	Wheat
<i>Agropyron desertorum</i> (Link) Schult.	Fodder/forage	Crested wheatgrass
<i>Agropyron desertorum</i> (Link) Schult.	Fodder/forage	Desert crested wheatgrass
<i>Agropyron tanaiticum</i> Nevski	Cereals	Wheat

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Agropyron tanaiticum</i> Nevski	Fodder/forage	Crested wheatgrass
<i>Agrostis capillaris</i> L.	Fodder/forage	Brown top
<i>Agrostis capillaris</i> L. subsp. <i>capillaris</i>	Fodder/forage	Brown top
<i>Agrostis capillaris</i> subsp. <i>oreophila</i> (O. Schwarz) Soják	Fodder/forage	Brown top
<i>Agrostis capillaris</i> subsp. <i>repens</i> (Schur) Soják	Fodder/forage	Brown top
<i>Agrostis gigantea</i> Roth	Fodder/forage	Red top
<i>Agrostis gigantea</i> Roth subsp. <i>gigantea</i>	Fodder/forage	Red top
<i>Agrostis gigantea</i> subsp. <i>glaucescens</i> (Widén) Valdés & H. Scholz	Fodder/forage	Red top
<i>Agrostis gigantea</i> subsp. <i>maeotica</i> (Klokov) Tzvelev	Fodder/forage	Red top
<i>Agrostis gigantea</i> subsp. <i>moldavica</i> (Dobrescu & Beldie) Dihoru	Fodder/forage	Red top
<i>Agrostis gigantea</i> subsp. <i>pontica</i> (Grecescu) Dihoru	Fodder/forage	Red top
<i>Agrostis stolonifera</i> L.	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> L. subsp. <i>stolonifera</i>	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> subsp. <i>albida</i> (Trin.) Tzvelev	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> subsp. <i>filifolia</i> (Link) H. Scholz	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> subsp. <i>gaditana</i> (Boiss. & Reut.) Valdés & H. Scholz	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> subsp. <i>maritima</i> (Lam.) Vasc.	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> subsp. <i>scabriglumis</i> (Boiss. & Reut.) Maire	Fodder/forage	Creeping bent
<i>Agrostis stolonifera</i> subsp. <i>straminea</i> (Hartm.) Tzvelev	Fodder/forage	Creeping bent
<i>Allium albiflorum</i> Omelczuk	Vegetables (flavouring)	Alliums
<i>Allium ampeloprasum</i> L.	Vegetables (flavouring)	Garlic
<i>Allium ampeloprasum</i> L.	Vegetables (flavouring/green)	Leek
<i>Allium atroviolaceum</i> Boiss.	Vegetables (flavouring)	Garlic
<i>Allium atroviolaceum</i> Boiss.	Vegetables (flavouring/green)	Leek
<i>Allium bourgeaui</i> Rech. f.	Vegetables (flavouring/green)	Leek
<i>Allium bourgeaui</i> Rech. f. subsp. <i>bourgeaui</i>	Vegetables (flavouring/green)	Leek
<i>Allium bourgeaui</i> subsp. <i>creticum</i> Bothmer	Vegetables (flavouring/green)	Leek
<i>Allium bourgeaui</i> subsp. <i>cycladicum</i> Bothmer	Vegetables (flavouring/green)	Leek

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Allium commutatum</i> Guss.	Vegetables (flavouring/green)	Leek
<i>Allium convallarioides</i> Grossh.	Vegetables (flavouring)	Alliums
<i>Allium corsicum</i> Jauzein & al.	Vegetables (flavouring)	Alliums
<i>Allium exaltatum</i> (Meikle) Brullo, Pavone, Salmeri & Venora	Vegetables (flavouring)	Alliums
<i>Allium fistulosum</i> L.	Vegetables (flavouring)	Chinese chives
<i>Allium fistulosum</i> L.	Vegetables (flavouring)	Chives
<i>Allium fistulosum</i> L.	Vegetables (flavouring)	Onion
<i>Allium lojaconoi</i> Brullo, Lanfr. & Pavone	Vegetables (flavouring)	Alliums
<i>Allium melananthum</i> Coincy	Vegetables (flavouring)	Alliums
<i>Allium pardoii</i> Loscos	Vegetables (flavouring)	Alliums
<i>Allium pervestitum</i> Klokov	Vegetables (flavouring)	Alliums
<i>Allium pyrenaicum</i> Costa & Vayr.	Vegetables (flavouring)	Alliums
<i>Allium sativum</i> L.	Vegetables (flavouring)	Garlic
<i>Allium scabriscapum</i> Boiss.	Vegetables (flavouring)	Chinese chives
<i>Allium schmitzii</i> Cout.	Vegetables (flavouring)	Chinese scallion
<i>Allium schmitzii</i> Cout.	Vegetables (flavouring)	Chives
<i>Allium schoenoprasum</i> L.	Vegetables (flavouring)	Chinese scallion
<i>Allium schoenoprasum</i> L.	Vegetables (flavouring)	Chives
<i>Allium schoenoprasum</i> L.	Vegetables (flavouring)	Welsh onion
<i>Allium schoenoprasum</i> L.	Vegetables (flavouring/green)	Leek
<i>Allium schoenoprasum</i> L. subsp. <i>schoenoprasum</i>	Vegetables (flavouring)	Chives
<i>Allium schoenoprasum</i> subsp. <i>gredense</i> (Rivas Goday) Rivas Mart., Fern. Gonz. & Sánchez Mata	Vegetables (flavouring)	Chives
<i>Allium schoenoprasum</i> subsp. <i>latiorifolium</i> (Pau) Rivas Mart., Fern. Gonz. & Sánchez Mata	Vegetables (flavouring)	Chives
<i>Allium truncatum</i> (Feinbrun) F. Kollmann & D. Zohary	Vegetables (flavouring/green)	Leek
<i>Allium tuberosum</i> Rottler ex Spreng.	Vegetables (flavouring)	Chinese chives
<i>Alopecurus pratensis</i> L.	Fodder/forage	Meadow foxtail
<i>Alopecurus pratensis</i> L. subsp. <i>pratensis</i>	Fodder/forage	Meadow foxtail

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Alopecurus pratensis</i> subsp. <i>alpestris</i> (Wahlenb.) Selander	Fodder/forage	Meadow foxtail
<i>Alopecurus pratensis</i> subsp. <i>laguriformis</i> (Schur) Tzvelev	Fodder/forage	Meadow foxtail
<i>Alopecurus pratensis</i> subsp. <i>pseudonigricans</i> O. Schwarz	Fodder/forage	Meadow foxtail
<i>Amblyopyrum muticum</i> (Boiss.) Eig	Cereals	Wheat
<i>Armoracia rusticana</i> P. Gaertn. , B. Mey. & Scherb.	Vegetables (flavouring)	Horseradish
<i>Armoracia rusticana</i> P. Gaertn. , B. Mey. & Scherb.	Vegetables (green)	Kale
<i>Arrhenatherum elatius</i> (L.) J. Presl & C. Presl	Fodder/forage	Tall oatgrass
<i>Arrhenatherum elatius</i> (L.) J. Presl & C. Presl subsp. <i>elatius</i>	Fodder/forage	Tall oatgrass
<i>Arrhenatherum elatius</i> subsp. <i>baeticum</i> Romero Zarco	Fodder/forage	Tall oatgrass
<i>Arrhenatherum elatius</i> subsp. <i>bulbosum</i> (Willd.) Schübl. & G. Martens	Fodder/forage	Tall oatgrass
<i>Arrhenatherum elatius</i> subsp. <i>nebrodense</i> (Brullo & al.) Giardina & Raimondo	Fodder/forage	Tall oatgrass
<i>Arrhenatherum elatius</i> subsp. <i>sardoum</i> (Em. Schmid) Gamisans	Fodder/forage	Tall oatgrass
<i>Asparagus acutifolius</i> L.	Vegetables (green)	Asparagus
<i>Asparagus albus</i> L.	Vegetables (green)	Asparagus
<i>Asparagus aphyllus</i> L.	Vegetables (green)	Asparagus
<i>Asparagus aphyllus</i> L. subsp. <i>aphyllus</i>	Vegetables (green)	Asparagus
<i>Asparagus aphyllus</i> subsp. <i>orientalis</i> (Baker) P. H. Davis	Vegetables (green)	Asparagus
<i>Asparagus arborescens</i> Willd. ex Schult. & Schult. f.	Vegetables (green)	Asparagus
<i>Asparagus densiflorus</i> (Kunth) Jessop	Vegetables (green)	Asparagus
<i>Asparagus fallax</i> Svent.	Vegetables (green)	Asparagus
<i>Asparagus horridus</i> L.	Vegetables (green)	Asparagus
<i>Asparagus inderiensis</i> Blume ex Ledeb.	Vegetables (green)	Asparagus
<i>Asparagus maritimus</i> (L.) Mill.	Vegetables (green)	Asparagus
<i>Asparagus nesiotetes</i> subsp. <i>purpureiensis</i> Marrero Rodr. & A. Ramos	Vegetables (green)	Asparagus
<i>Asparagus nesiotetes</i> Svent.	Vegetables (green)	Asparagus
<i>Asparagus nesiotetes</i> Svent. subsp. <i>nesiotetes</i>	Vegetables (green)	Asparagus
<i>Asparagus officinalis</i> L.	Vegetables (green)	Asparagus
<i>Asparagus officinalis</i> L. subsp. <i>officinalis</i>	Vegetables (green)	Asparagus

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Asparagus officinalis</i> subsp. <i>prostratus</i> (Dumort.) Corb.	Vegetables (green)	Asparagus
<i>Asparagus pastorianus</i> Webb & Berthel.	Vegetables (green)	Asparagus
<i>Asparagus plocamoides</i> Webb ex Svent.	Vegetables (green)	Asparagus
<i>Asparagus pseudoscaber</i> Grecescu	Vegetables (green)	Asparagus
<i>Asparagus tenuifolius</i> Lam.	Vegetables (green)	Asparagus
<i>Asparagus verticillatus</i> L.	Vegetables (green)	Asparagus
<i>Astartoseris triquetra</i> (Labill.) N. Kilian & al.	Vegetables (salad)	Lettuce
<i>Astragalus arenarius</i> L.	Fodder/forage	Milkvetch
<i>Astragalus cicer</i> L.	Fodder/forage	Chickpea milkvetch
<i>Astragalus pelecinus</i> (L.) Barneby	Fodder/forage	Serradella
<i>Astragalus pelecinus</i> (L.) Barneby subsp. <i>pelecinus</i>	Fodder/forage	Serradella
<i>Atriplex halimus</i> L.	Fodder/forage	Mediterranean saltbush
<i>Avena barbata</i> Link	Cereals	Oat
<i>Avena barbata</i> Link subsp. <i>barbata</i>	Cereals	Oat
<i>Avena barbata</i> subsp. <i>castellana</i> Romero Zarco	Cereals	Oat
<i>Avena barbata</i> subsp. <i>hirtula</i> (Lag.) Tab. Morais	Cereals	Oat
<i>Avena barbata</i> subsp. <i>lusitanica</i> (Tab. Morais) Romero Zarco	Cereals	Oat
<i>Avena barbata</i> subsp. <i>wiestii</i> (Steud.) Mansf.	Cereals	Oat
<i>Avena byzantina</i> K. Koch	Cereals	Oat
<i>Avena clauda</i> Durieu	Cereals	Oat
<i>Avena eriantha</i> Durieu	Cereals	Oat
<i>Avena fatua</i> L.	Cereals	Oat
<i>Avena fatua</i> L. subsp. <i>fatua</i>	Cereals	Oat
<i>Avena fatua</i> subsp. <i>aemulans</i> (Nevski) H. Scholz	Cereals	Oat
<i>Avena fatua</i> subsp. <i>cultiformis</i> Malzev	Cereals	Oat
<i>Avena fatua</i> subsp. <i>meridionalis</i> Malzev	Cereals	Oat
<i>Avena hybrida</i> Peterm.	Cereals	Oat
<i>Avena insularis</i> Ladiz.	Cereals	Oat

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Avena longiglumis</i> Durieu	Cereals	Oat
<i>Avena murphyi</i> Ladiz.	Cereals	Oat
<i>Avena sterilis</i> L.	Cereals	Oat
<i>Avena sterilis</i> L. subsp. <i>sterilis</i>	Cereals	Oat
<i>Avena sterilis</i> subsp. <i>atherantha</i> (C. Presl) H. Scholz	Cereals	Oat
<i>Avena sterilis</i> subsp. <i>ludoviciana</i> (Durieu) Gillet & Magne	Cereals	Oat
<i>Avena sterilis</i> subsp. <i>trichophylla</i> (K. Koch) Malzev	Cereals	Oat
<i>Avena strigosa</i> Schreb.	Cereals	Oat
<i>Barbarea verna</i> (Mill.) Asch.	Vegetables (salad)	American cress/early winter cress
<i>Beta corolliflora</i> Buttler	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta lomatogona</i> Fisch. & C. A. Mey.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta macrocarpa</i> Guss.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta macrorhiza</i> Steven	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta nana</i> Boiss. & Heldr.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta patula</i> Aiton	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta trigyna</i> Waldst. & Kit.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta vulgaris</i> L.	Fodder/fodder	Fodder beet
<i>Beta vulgaris</i> L.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta vulgaris</i> subsp. <i>adanensis</i> Pamuk.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Beta vulgaris</i> subsp. <i>maritima</i> (L.) Arcang.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Brassica barrelieri</i> (L.) Janka	Vegetables (root)/fodder	Turnip
<i>Brassica cretica</i> Lam.	Oils/fodder	Rape
<i>Brassica cretica</i> Lam.	Vegetables (green)	Cabbage
<i>Brassica cretica</i> Lam.	Vegetables (root)/fodder	Turnip
<i>Brassica cretica</i> Lam. subsp. <i>cretica</i>	Vegetables (green)	Cabbage
<i>Brassica cretica</i> subsp. <i>aegaea</i> (Heldr. & Halácsy) Snogerup, M. A. Gust. & Bothmer	Vegetables (green)	Cabbage
<i>Brassica cretica</i> subsp. <i>laconica</i> M. A. Gust. & Snogerup	Vegetables (green)	Cabbage

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Brassica cretica</i> subsp. <i>nivea</i> (Boiss. & Spruner) M. A. Gust. & Snogerup	Vegetables (green)	Cabbage
<i>Brassica elongata</i> Ehrh.	Oils/fodder	Rape
<i>Brassica elongata</i> Ehrh.	Vegetables (green)	Cabbage
<i>Brassica elongata</i> Ehrh.	Vegetables (root)/fodder	Turnip
<i>Brassica elongata</i> Ehrh.	Vegetables (salad)	Perennial wall rocket
<i>Brassica elongata</i> Ehrh. subsp. <i>elongata</i>	Vegetables (green)	Cabbage
<i>Brassica elongata</i> subsp. <i>integrifolia</i> (Boiss.) Breistr.	Vegetables (green)	Cabbage
<i>Brassica elongata</i> subsp. <i>pinnatifida</i> (Schmalh.) Greuter & Burdet	Vegetables (green)	Cabbage
<i>Brassica fruticulosa</i> Cirillo	Oils/fodder	Rape
<i>Brassica fruticulosa</i> Cirillo	Spices	Black mustard
<i>Brassica fruticulosa</i> Cirillo	Vegetables (green)	Ethiopian cabbage
<i>Brassica fruticulosa</i> Cirillo	Vegetables (root)/fodder	Turnip
<i>Brassica fruticulosa</i> Cirillo	Vegetables (salad)	Radish
<i>Brassica fruticulosa</i> Cirillo subsp. <i>fruticulosa</i>	Oils/fodder	Rape
<i>Brassica fruticulosa</i> Cirillo subsp. <i>fruticulosa</i>	Vegetables (root)/fodder	Turnip
<i>Brassica fruticulosa</i> subsp. <i>cossoniana</i> (Boiss. & Reut.) Maire	Oils/fodder	Rape
<i>Brassica hilarionis</i> Post	Oils/fodder	Rape
<i>Brassica hilarionis</i> Post	Vegetables (green)	Cabbage
<i>Brassica incana</i> Ten.	Oils/fodder	Rape
<i>Brassica incana</i> Ten.	Vegetables (green)	Cabbage
<i>Brassica incana</i> Ten.	Vegetables (root)/fodder	Turnip
<i>Brassica insularis</i> Moris	Oils/fodder	Rape
<i>Brassica insularis</i> Moris	Vegetables (green)	Cabbage
<i>Brassica insularis</i> Moris	Vegetables (root)/fodder	Turnip
<i>Brassica macrocarpa</i> Guss.	Vegetables (green)	Cabbage
<i>Brassica macrocarpa</i> Guss.	Vegetables (root)/fodder	Turnip
<i>Brassica maurorum</i> Durieu	Oils/fodder	Rape
<i>Brassica maurorum</i> Durieu	Spices	Black mustard

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Brassica maurorum</i> Durieu	Spices/oils/vegetables (green)	Mustard
<i>Brassica maurorum</i> Durieu	Vegetables (green)	Ethiopian cabbage
<i>Brassica maurorum</i> Durieu	Vegetables (root)/fodder	Turnip
<i>Brassica maurorum</i> Durieu	Vegetables (salad)	Radish
<i>Brassica montana</i> Pourr.	Oils/fodder	Rape
<i>Brassica montana</i> Pourr.	Vegetables (green)	Cabbage
<i>Brassica montana</i> Pourr.	Vegetables (root)/fodder	Turnip
<i>Brassica napus</i> L.	Oils/fodder	Rape
<i>Brassica napus</i> L.	Spices	Black mustard
<i>Brassica napus</i> L.	Spices/oils/vegetables (green)	Mustard
<i>Brassica napus</i> L.	Vegetables (green)	Cabbage
<i>Brassica napus</i> L.	Vegetables (green)	Ethiopian cabbage
<i>Brassica napus</i> L.	Vegetables (root)/fodder	Turnip
<i>Brassica nigra</i> (L.) W. D. J. Koch	Oils/fodder	Rape
<i>Brassica nigra</i> (L.) W. D. J. Koch	Spices	Black mustard
<i>Brassica nigra</i> (L.) W. D. J. Koch	Spices	White mustard
<i>Brassica nigra</i> (L.) W. D. J. Koch	Spices/oils/vegetables (green)	Mustard
<i>Brassica nigra</i> (L.) W. D. J. Koch	Vegetables (green)	Cabbage
<i>Brassica nigra</i> (L.) W. D. J. Koch	Vegetables (green)	Ethiopian cabbage
<i>Brassica nigra</i> (L.) W. D. J. Koch	Vegetables (root)/fodder	Turnip
<i>Brassica nigra</i> (L.) W. D. J. Koch	Vegetables (salad)	Perennial wall rocket
<i>Brassica nigra</i> (L.) W. D. J. Koch	Vegetables (salad)	Radish
<i>Brassica oleracea</i> L.	Oils/fodder	Rape
<i>Brassica oleracea</i> L.	Spices	Black mustard
<i>Brassica oleracea</i> L.	Spices	White mustard
<i>Brassica oleracea</i> L.	Spices/oils/vegetables (green)	Mustard
<i>Brassica oleracea</i> L.	Vegetables (green)	Cabbage
<i>Brassica oleracea</i> L.	Vegetables (green)	Ethiopian cabbage

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Brassica oleracea</i> L.	Vegetables (root)/fodder	Turnip
<i>Brassica oleracea</i> L.	Vegetables (salad)	Perennial wall rocket
<i>Brassica oleracea</i> L.	Vegetables (salad)	Radish
<i>Brassica oleracea</i> L.	Vegetables (salad)	Salad rocket
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Oils/fodder	Rape
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Spices	Black mustard
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Spices	White mustard
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Spices/oils/vegetables (green)	Mustard
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Vegetables (green)	Cabbage
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Vegetables (green)	Ethiopian cabbage
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Vegetables (root)/fodder	Turnip
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Vegetables (salad)	Perennial wall rocket
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Vegetables (salad)	Radish
<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	Vegetables (salad)	Salad rocket
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Oils/fodder	Rape
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Spices	Black mustard
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Spices	White mustard
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Spices/oils/vegetables (green)	Mustard
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Vegetables (green)	Cabbage
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Vegetables (green)	Ethiopian cabbage
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Vegetables (root)/fodder	Turnip
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Vegetables (salad)	Perennial wall rocket
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Vegetables (salad)	Radish
<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	Vegetables (salad)	Salad rocket
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Oils/fodder	Rape
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Spices	Black mustard
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Spices	White mustard
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Spices/oils/vegetables (green)	Mustard

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Vegetables (green)	Cabbage
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Vegetables (green)	Ethiopian cabbage
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Vegetables (root)/fodder	Turnip
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Vegetables (salad)	Perennial wall rocket
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Vegetables (salad)	Radish
<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	Vegetables (salad)	Salad rocket
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Oils/fodder	Rape
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Spices	Black mustard
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Spices	White mustard
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Spices/oils/vegetables (green)	Mustard
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Vegetables (green)	Cabbage
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Vegetables (green)	Ethiopian cabbage
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Vegetables (root)/fodder	Turnip
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Vegetables (salad)	Perennial wall rocket
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Vegetables (salad)	Radish
<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	Vegetables (salad)	Salad rocket
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Oils/fodder	Rape
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Spices	Black mustard
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Spices	White mustard
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Spices/oils/vegetables (green)	Mustard
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Vegetables (green)	Cabbage
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Vegetables (green)	Ethiopian cabbage
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Vegetables (root)/fodder	Turnip
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Vegetables (salad)	Perennial wall rocket
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Vegetables (salad)	Radish
<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	Vegetables (salad)	Salad rocket
<i>Brassica oxyrrhina</i> (Coss.) Willk.	Spices/oils/vegetables (green)	Mustard
<i>Brassica rapa</i> (L.) L.	Oils/fodder	Rape

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Brassica rapa</i> (L.) L.	Spices	Black mustard
<i>Brassica rapa</i> (L.) L.	Spices	White mustard
<i>Brassica rapa</i> (L.) L.	Spices/oils/vegetables (green)	Mustard
<i>Brassica rapa</i> (L.) L.	Vegetables (green)	Cabbage
<i>Brassica rapa</i> (L.) L.	Vegetables (green)	Ethiopian cabbage
<i>Brassica rapa</i> (L.) L.	Vegetables (root)/fodder	Turnip
<i>Brassica rapa</i> (L.) L.	Vegetables (salad)	Perennial wall rocket
<i>Brassica rapa</i> (L.) L.	Vegetables (salad)	Radish
<i>Brassica rapa</i> (L.) L.	Vegetables (salad)	Salad rocket
<i>Brassica rapa</i> L. subsp. <i>rapa</i>	Vegetables (root)/fodder	Turnip
<i>Brassica rapa</i> subsp. <i>campestris</i> (L.) A. R. Clapham	Vegetables (root)/fodder	Turnip
<i>Brassica rapa</i> subsp. <i>chinensis</i> (L.) Hanelt	Vegetables (root)/fodder	Turnip
<i>Brassica rapa</i> subsp. <i>oleifera</i> (DC.) Metzg.	Vegetables (root)/fodder	Turnip
<i>Brassica rapa</i> subsp. <i>pekinensis</i> (Lour.) Hanelt	Vegetables (root)/fodder	Turnip
<i>Brassica repanda</i> subsp. <i>glabrescens</i> (Poldini) Gómez Campo	Oils/fodder	Rape
<i>Brassica repanda</i> subsp. <i>glabrescens</i> (Poldini) Gómez Campo	Vegetables (salad)	Salad rocket
<i>Brassica rupestris</i> Raf.	Vegetables (green)	Cabbage
<i>Brassica tournefortii</i> Gouan	Oils/fodder	Rape
<i>Brassica tournefortii</i> Gouan	Spices	Black mustard
<i>Brassica tournefortii</i> Gouan	Spices/oils/vegetables (green)	Mustard
<i>Brassica tournefortii</i> Gouan	Vegetables (green)	Cabbage
<i>Brassica tournefortii</i> Gouan	Vegetables (green)	Ethiopian cabbage
<i>Brassica tournefortii</i> Gouan	Vegetables (root)/fodder	Turnip
<i>Brassica tournefortii</i> Gouan	Vegetables (salad)	Radish
<i>Brassica villosa</i> Biv.	Vegetables (green)	Cabbage
<i>Brassica villosa</i> subsp. <i>drepanensis</i> (Caruel) Raimondo & P. Mazzola	Vegetables (green)	Cabbage
<i>Carthamus boissieri</i> Halácsy	Oils	Safflower seed
<i>Carthamus creticus</i> L.	Oils	Safflower seed

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Carthamus dentatus</i> (Forssk.) Vahl	Oils	Safflower seed
<i>Carthamus dentatus</i> (Forssk.) Vahl subsp. <i>dentatus</i>	Oils	Safflower seed
<i>Carthamus dentatus</i> subsp. <i>ruber</i> (Link) Hanelt	Oils	Safflower seed
<i>Carthamus glaucus</i> M. Bieb.	Oils	Safflower seed
<i>Carthamus glaucus</i> M. Bieb. subsp. <i>glaucus</i>	Oils	Safflower seed
<i>Carthamus lanatus</i> L.	Oils	Safflower seed
<i>Carthamus leucocaulos</i> Sm.	Oils	Safflower seed
<i>Carthamus persicus</i> Willd.	Oils	Safflower seed
<i>Carthamus tenuis</i> (Boiss. & C. I. Blanche) Bornm.	Oils	Safflower seed
<i>Carthamus tenuis</i> (Boiss. & C. I. Blanche) Bornm. subsp. <i>tenuis</i>	Oils	Safflower seed
<i>Carthamus tenuis</i> subsp. <i>foliosus</i> Hanelt	Oils	Safflower seed
<i>Carthamus tenuis</i> subsp. <i>gracillimus</i> (Rech. f.) Hanelt	Oils	Safflower seed
<i>Castanea crenata</i> Siebold & Zucc.	Nuts	American chestnut
<i>Castanea crenata</i> Siebold & Zucc.	Nuts	Chestnut
<i>Castanea crenata</i> Siebold & Zucc.	Nuts	Chinese chestnut
<i>Castanea crenata</i> Siebold & Zucc.	Nuts	Japanese chestnut
<i>Castanea sativa</i> Mill.	Nuts	Chestnut
<i>Castanea sativa</i> Mill.	Nuts	Chinese chestnut
<i>Castanea sativa</i> Mill.	Nuts	Japanese chestnut
<i>Chenopodium berlandieri</i> Moq.	Cereals	Quinoa
<i>Chenopodium ficifolium</i> Sm.	Cereals	Quinoa
<i>Chenopodium hircinum</i> Schrad.	Cereals	Quinoa
<i>Chenopodium quinoa</i> Willd.	Cereals	Quinoa
<i>Cicer bijugum</i> Rech. f.	Pulses	Chickpea
<i>Cicer canariense</i> A. Santos & G. P. Lewis	Pulses	Chickpea
<i>Cicer echinospermum</i> P. H. Davis	Pulses	Chickpea
<i>Cicer graecum</i> Boiss.	Pulses	Chickpea
<i>Cicer pinnatifidum</i> Jaub. & Spach	Pulses	Chickpea

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Cicer reticulatum</i> Ladiz.	Pulses	Chickpea
<i>Cichorium calvum</i> Asch.	Vegetables (salad)/forage	Chicory
<i>Cichorium endivia</i> L.	Vegetables (salad)/forage	Chicory
<i>Cichorium intybus</i> L.	Vegetables (salad)/forage	Chicory
<i>Cichorium pumilum</i> Jacq.	Vegetables (salad)/forage	Chicory
<i>Cichorium spinosum</i> L.	Vegetables (salad)/forage	Chicory
<i>Citrullus colocynthis</i> (L.) Schrad.	Fruits	Watermelon
<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai	Fruits	Watermelon
<i>Coincya monensis</i> (L.) Greuter & Burdet	Oils/fodder	Rape
<i>Coincya monensis</i> (L.) Greuter & Burdet	Spices	Black mustard
<i>Coincya monensis</i> (L.) Greuter & Burdet	Spices	White mustard
<i>Coincya monensis</i> (L.) Greuter & Burdet	Vegetables (green)	Cabbage
<i>Coincya monensis</i> (L.) Greuter & Burdet	Vegetables (root)/fodder	Turnip
<i>Coincya monensis</i> (L.) Greuter & Burdet subsp. <i>monensis</i>	Spices	Black mustard
<i>Coincya monensis</i> (L.) Greuter & Burdet subsp. <i>monensis</i>	Spices	White mustard
<i>Coincya monensis</i> (L.) Greuter & Burdet subsp. <i>monensis</i>	Vegetables (green)	Cabbage
<i>Coincya monensis</i> (L.) Greuter & Burdet subsp. <i>monensis</i>	Vegetables (root)/fodder	Turnip
<i>Coincya monensis</i> subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadley & Muñoz Garm	Spices	Black mustard
<i>Coincya monensis</i> subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadley & Muñoz Garm	Spices	White mustard
<i>Coincya monensis</i> subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadley & Muñoz Garm	Vegetables (green)	Cabbage
<i>Coincya monensis</i> subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadley & Muñoz Garm	Vegetables (root)/fodder	Turnip
<i>Coincya monensis</i> subsp. <i>nevadensis</i> (Willk.) Leadlay	Spices	Black mustard
<i>Coincya monensis</i> subsp. <i>nevadensis</i> (Willk.) Leadlay	Spices	White mustard
<i>Coincya monensis</i> subsp. <i>nevadensis</i> (Willk.) Leadlay	Vegetables (green)	Cabbage
<i>Coincya monensis</i> subsp. <i>nevadensis</i> (Willk.) Leadlay	Vegetables (root)/fodder	Turnip
<i>Coincya monensis</i> subsp. <i>orophila</i> (Franco) Aedo, Leadlay & Muñoz Garm.	Spices	Black mustard
<i>Coincya monensis</i> subsp. <i>orophila</i> (Franco) Aedo, Leadlay & Muñoz Garm.	Spices	White mustard
<i>Coincya monensis</i> subsp. <i>orophila</i> (Franco) Aedo, Leadlay & Muñoz Garm.	Vegetables (green)	Cabbage

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Coincya monensis</i> subsp. <i>orophila</i> (Franco) Aedo, Leadlay & Muñoz Garm.	Vegetables (root)/fodder	Turnip
<i>Coincya monensis</i> subsp. <i>puberula</i> (Pau) Leadlay	Spices	Black mustard
<i>Coincya monensis</i> subsp. <i>puberula</i> (Pau) Leadlay	Spices	White mustard
<i>Coincya monensis</i> subsp. <i>puberula</i> (Pau) Leadlay	Vegetables (green)	Cabbage
<i>Coincya monensis</i> subsp. <i>puberula</i> (Pau) Leadlay	Vegetables (root)/fodder	Turnip
<i>Comarum palustre</i> L.	Fruits	Strawberry
<i>Corylus avellana</i> L.	Nuts	Giant filbert
<i>Corylus avellana</i> L.	Nuts	Hazelnut
<i>Corylus avellana</i> L.	Nuts	Turkish hazelnut
<i>Corylus colurna</i> L.	Nuts	Giant filbert
<i>Corylus colurna</i> L.	Nuts	Hazelnut
<i>Corylus colurna</i> L.	Nuts	Turkish hazelnut
<i>Corylus maxima</i> Mill.	Nuts	Giant filbert
<i>Crambe arborea</i> H. Christ	Vegetables (green)	Ethiopian cabbage
<i>Crambe aspera</i> M. Bieb.	Vegetables (green)	Ethiopian cabbage
<i>Crambe feuillei</i> A. Santos ex Prina & Mart.-Laborde	Vegetables (green)	Ethiopian cabbage
<i>Crambe filiformis</i> Jacq.	Vegetables (green)	Ethiopian cabbage
<i>Crambe fruticosa</i> L. f.	Vegetables (green)	Ethiopian cabbage
<i>Crambe gomeraea</i> H. Christ	Vegetables (green)	Ethiopian cabbage
<i>Crambe hispanica</i> L.	Vegetables (green)	Ethiopian cabbage
<i>Crambe laevigata</i> DC. ex H. Christ	Vegetables (green)	Ethiopian cabbage
<i>Crambe microcarpa</i> A. Santos	Vegetables (green)	Ethiopian cabbage
<i>Crambe pritzelii</i> Bolle	Vegetables (green)	Ethiopian cabbage
<i>Crambe scaberrima</i> Bramwell	Vegetables (green)	Ethiopian cabbage
<i>Crambe scoparia</i> Svent.	Vegetables (green)	Ethiopian cabbage
<i>Crambe sventenii</i> B. Pett. ex Bramwell & Sundell	Vegetables (green)	Ethiopian cabbage
<i>Crambe tamadabensis</i> A. Prina & A. Marrero	Vegetables (green)	Ethiopian cabbage
<i>Crambe wildpretii</i> Prina & Bramwell	Vegetables (green)	Ethiopian cabbage

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Cucumis dipsaceus</i> Spach	Fruits	Melon
<i>Cucumis dipsaceus</i> Spach	Fruits (savoury)	West Indian gherkin
<i>Cucumis sativus</i> L.	Fruits (savoury)	Cucumber
<i>Cynara algarbiensis</i> Mariz	Vegetables (green)	Artichoke
<i>Cynara auranitica</i> Post	Vegetables (green)	Artichoke
<i>Cynara baetica</i> (Spreng.) Pau	Vegetables (green)	Artichoke
<i>Cynara baetica</i> (Spreng.) Pau subsp. <i>baetica</i>	Vegetables (green)	Artichoke
<i>Cynara cardunculus</i> L.	Vegetables (green)	Artichoke
<i>Cynara cardunculus</i> subsp. <i>flavescens</i> Wiklund	Vegetables (green)	Artichoke
<i>Cynara cardunculus</i> subsp. <i>zingaroensis</i> (Raimondo & Domina) Raimondo & Domina	Vegetables (green)	Artichoke
<i>Cynara humilis</i> L.	Vegetables (green)	Artichoke
<i>Cynara tournefortii</i> Boiss. & Reut.	Vegetables (green)	Artichoke
<i>Cynodon dactylon</i> (L.) Pers.	Fodder/forage	Bermuda grass
<i>Dactylis glomerata</i> L.	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> L. subsp. <i>glomerata</i>	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>hackelii</i> (Asch. & Graebn.) Cif. & Giacom.	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>hispanica</i> (Roth) Nyman	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>ibizensis</i> Stebbins & D. Zohary	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>izcoi</i> S. Ortíz & Rodr. Oubiña	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>juncinella</i> (Bory) K. Richt.	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>lobata</i> (Drejer) H. Lindb.	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>lusitanica</i> Stebbins & D. Zohary	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>merinoana</i> (Horjales & al.) H. Scholz	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>oceanica</i> G. Guignard	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>reichenbachii</i> (Dalla Torre & Sarnth.) Stebbins & D. Zohary	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>rigida</i> (Boiss. & Heldr.) Hayek	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>slovenica</i> (Domin) Domin	Fodder/forage	Cocksfoot
<i>Dactylis glomerata</i> subsp. <i>stebbinsii</i> (Horjales & al.) H. Scholz	Fodder/forage	Cocksfoot

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Daucus carota</i> L.	Vegetables (root)	Carrot
<i>Daucus carota</i> L. subsp. <i>carota</i>	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>azoricus</i> Franco	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>cantabricus</i> A. Pujadas	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>commutatus</i> (Paol.) Thell.	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>drepanensis</i> (Lojac.) Heywood	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>gadecaei</i> (Rouy & E. G. Camus) Heywood	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>gummifer</i> (Syme) Hook. f.	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>halophilus</i> (Brot.) A. Pujadas	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>hispanicus</i> (Gouan) Thell.	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>hispidus</i> (Ball) Heywood	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>major</i> (Vis.) Arcang.	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>majoricus</i> A. Pujadas	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>maximus</i> (Desf.) Ball	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>rupestris</i> (Guss.) Heywood	Vegetables (root)	Carrot
<i>Daucus carota</i> subsp. <i>sativus</i> (Hoffm.) Arcang.	Vegetables (root)	Carrot
<i>Daucus gracilis</i> Steinh.	Vegetables (root)	Carrot
<i>Daucus sahariensis</i> Murb.	Vegetables (root)	Carrot
<i>Diplotaxis eruroides</i> (L.) DC.	Oils/fodder	Rape
<i>Diplotaxis eruroides</i> (L.) DC.	Spices	Black mustard
<i>Diplotaxis eruroides</i> (L.) DC.	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis eruroides</i> (L.) DC.	Vegetables (green)	Cabbage
<i>Diplotaxis eruroides</i> (L.) DC.	Vegetables (root)/fodder	Turnip
<i>Diplotaxis eruroides</i> (L.) DC. subsp. <i>eruroides</i>	Oils/fodder	Rape
<i>Diplotaxis eruroides</i> (L.) DC. subsp. <i>eruroides</i>	Spices	Black mustard
<i>Diplotaxis eruroides</i> (L.) DC. subsp. <i>eruroides</i>	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis eruroides</i> (L.) DC. subsp. <i>eruroides</i>	Vegetables (green)	Cabbage
<i>Diplotaxis eruroides</i> (L.) DC. subsp. <i>eruroides</i>	Vegetables (root)/fodder	Turnip

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Diplotaxis muralis</i> (L.) DC.	Oils/fodder	Rape
<i>Diplotaxis muralis</i> (L.) DC.	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis muralis</i> (L.) DC.	Vegetables (root)/fodder	Turnip
<i>Diplotaxis siettiana</i> Maire	Oils/fodder	Rape
<i>Diplotaxis siettiana</i> Maire	Spices	Black mustard
<i>Diplotaxis siettiana</i> Maire	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis siettiana</i> Maire	Vegetables (green)	Cabbage
<i>Diplotaxis siettiana</i> Maire	Vegetables (root)/fodder	Turnip
<i>Diplotaxis siifolia</i> Kunze	Oils/fodder	Rape
<i>Diplotaxis siifolia</i> Kunze	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis siifolia</i> Kunze	Vegetables (root)/fodder	Turnip
<i>Diplotaxis siifolia</i> Kunze subsp. <i>siifolia</i>	Oils/fodder	Rape
<i>Diplotaxis siifolia</i> Kunze subsp. <i>siifolia</i>	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis siifolia</i> Kunze subsp. <i>siifolia</i>	Vegetables (root)/fodder	Turnip
<i>Diplotaxis siifolia</i> subsp. <i>vicentina</i> (Samp.) Mart.-Laborde	Oils/fodder	Rape
<i>Diplotaxis siifolia</i> subsp. <i>vicentina</i> (Samp.) Mart.-Laborde	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis siifolia</i> subsp. <i>vicentina</i> (Samp.) Mart.-Laborde	Vegetables (root)/fodder	Turnip
<i>Diplotaxis tenuifolia</i> (L.) DC.	Oils/fodder	Rape
<i>Diplotaxis tenuifolia</i> (L.) DC.	Spices	Black mustard
<i>Diplotaxis tenuifolia</i> (L.) DC.	Spices/oils/vegetables (green)	Mustard
<i>Diplotaxis tenuifolia</i> (L.) DC.	Vegetables (green)	Kale
<i>Diplotaxis tenuifolia</i> (L.) DC.	Vegetables (root)/fodder	Turnip
<i>Diplotaxis tenuifolia</i> (L.) DC.	Vegetables (salad)	Perennial wall rocket
<i>Diplotaxis tenuifolia</i> (L.) DC.	Vegetables (salad)	Radish
<i>Diplotaxis tenuifolia</i> (L.) DC.	Vegetables (salad)	Salad rocket
<i>Echinochloa crus-galli</i> (L.) P. Beauv.	Cereals	Japanese barnyard millet
<i>Echinochloa crus-galli</i> (L.) P. Beauv. subsp. <i>crus-galli</i>	Cereals	Japanese barnyard millet
<i>Echinochloa crus-galli</i> subsp. <i>hispidula</i> (Retz.) Honda	Cereals	Japanese barnyard millet

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Echinochloa crus-galli</i> subsp. <i>spiralis</i> (Vasinger) Tzvelev	Cereals	Japanese barnyard millet
<i>Echinochloa oryzicola</i> (Vasinger) Vasinger	Cereals	Japanese barnyard millet
<i>Eleusine coracana</i> (L.) Gaertn.	Cereals	Finger millet
<i>Eleusine tristachya</i> (Lam.) Lam.	Cereals	Finger millet
<i>Elymus dahuricus</i> Turcz. ex Griseb.	Cereals	Wheat
<i>Elymus trachycaulus</i> (Link) Shinnars	Cereals	Wheat
<i>Elymus trachycaulus</i> (Link) Shinnars subsp. <i>trachycaulus</i>	Cereals	Wheat
<i>Elymus trachycaulus</i> subsp. <i>novae-angliae</i> (Scribn.) Tzvelev	Cereals	Wheat
<i>Elymus trachycaulus</i> subsp. <i>stefanssonii</i> (Melderis) Á. Löve & D. Löve	Cereals	Wheat
<i>Elytrigia bessarabica</i> (Sävul. & Rayss) Prokudin	Cereals	Wheat
<i>Elytrigia curvifolia</i> (Lange) Holub	Cereals	Wheat
<i>Elytrigia elongata</i> (Host) Nevski	Cereals	Wheat
<i>Elytrigia elongata</i> (Host) Nevski subsp. <i>elongata</i>	Cereals	Wheat
<i>Elytrigia elongata</i> subsp. <i>haifensis</i> (Rech. f.) Valdés & H. Scholz	Cereals	Wheat
<i>Elytrigia elongata</i> subsp. <i>salsa</i> (Melderis) Valdés & H. Scholz	Cereals	Wheat
<i>Elytrigia elongata</i> subsp. <i>turcica</i> (McGuire) Valdés & H. Scholz	Cereals	Wheat
<i>Elytrigia intermedia</i> (Host) Nevski	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> (Host) Nevski	Cereals	Wheat
<i>Elytrigia intermedia</i> (Host) Nevski subsp. <i>intermedia</i>	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> subsp. <i>mucronata</i> (Bercht.) Valdés & H. Scholz	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> subsp. <i>podperae</i> (Nábělek) Á. Löve	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> subsp. <i>pouzolzii</i> (Godr.) Á. Löve	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> subsp. <i>pulcherrima</i> (Grossh.) Tzvelev	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> subsp. <i>trichophora</i> (Link) Á. Löve & D. Löve	Cereals	Intermediate wheatgrass
<i>Elytrigia intermedia</i> subsp. <i>varnensis</i> (Velen.) Valdés & H. Scholz	Cereals	Intermediate wheatgrass
<i>Elytrigia juncea</i> (L.) Nevski	Cereals	Wheat
<i>Elytrigia juncea</i> subsp. <i>boreoatlantica</i> (Simonet & Guin.) Hyl.	Cereals	Wheat
<i>Elytrigia obtusiflora</i> (DC.) Tzvelev	Cereals	Wheat

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Elytrigia scirpea</i> (C. Presl) Holub	Cereals	Wheat
<i>Eragrostis pilosa</i> (L.) P. Beauv.	Cereals	Teff
<i>Eragrostis tef</i> (Zuccagni) Trotter	Cereals	Teff
<i>Eruca vesicaria</i> (L.) Cav.	Oils/fodder	Rape
<i>Eruca vesicaria</i> (L.) Cav.	Spices/oils/vegetables (green)	Mustard
<i>Eruca vesicaria</i> (L.) Cav.	Vegetables (green)	Cabbage
<i>Eruca vesicaria</i> (L.) Cav.	Vegetables (root)/fodder	Turnip
<i>Eruca vesicaria</i> (L.) Cav.	Vegetables (salad)	Radish
<i>Eruca vesicaria</i> (L.) Cav.	Vegetables (salad)	Salad rocket
<i>Erucastrum canariense</i> Webb & Berthel.	Vegetables (root)/fodder	Turnip
<i>Erucastrum gallicum</i> (Willd.) O. E. Schulz	Oils/fodder	Rape
<i>Erucastrum gallicum</i> (Willd.) O. E. Schulz	Spices/oils/vegetables (green)	Mustard
<i>Erucastrum gallicum</i> (Willd.) O. E. Schulz	Vegetables (green)	Ethiopian cabbage
<i>Erucastrum gallicum</i> (Willd.) O. E. Schulz	Vegetables (root)/fodder	Turnip
<i>Festuca heterophylla</i> Lam.	Fodder/forage	Shade fescue
<i>Festuca ovina</i> L.	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> L. subsp. <i>ovina</i>	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>firmulacea</i> (Markgr.-Dann.) Prob.	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>guestfalica</i> (Rchb.) K. Richt.	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>hirtula</i> (Travis) M. J. Wilk.	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>molineri</i> (Litard.) Foggi & J. Müll.	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>ophiolitica</i> (Kerguélen) M. Wilk.	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>ruprechtii</i> (Boiss.) Tzvelev	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca ovina</i> subsp. <i>supina</i> (Schur) Oborný	Fodder/forage	Fine leaved sheep's fescue
<i>Festuca rubra</i> L.	Fodder/forage	Red fescue
<i>Festuca rubra</i> L. subsp. <i>rubra</i>	Fodder/forage	Red fescue
<i>Festuca rubra</i> subsp. <i>juncea</i> (Hack.) K. Richt.	Fodder/forage	Red fescue
<i>Festuca rubra</i> subsp. <i>litoralis</i> (G. Mey.) Auquier	Fodder/forage	Red fescue

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Festuca rubra</i> subsp. <i>pruinosa</i> (Hack.) Piper	Fodder/forage	Red fescue
<i>Festuca rubra</i> subsp. <i>scotica</i> Al-Bermani	Fodder/forage	Red fescue
<i>Festuca rubra</i> subsp. <i>thessalica</i> Markgr.-Dann.	Fodder/forage	Red fescue
<i>Ficus carica</i> L.	Fruits	Fig
<i>Ficus carica</i> subsp. <i>rupestris</i> (Boiss.) Browicz	Fruits	Fig
<i>Fragaria chiloensis</i> (L.) Weston	Fruits	Strawberry
<i>Fragaria moschata</i> Weston	Fruits	Strawberry
<i>Fragaria vesca</i> L.	Fruits	Strawberry
<i>Fragaria virginiana</i> Mill.	Fruits	Strawberry
<i>Fragaria viridis</i> subsp. <i>campestris</i> (Steven) Pawł.	Fruits	Strawberry
<i>Fragaria viridis</i> Weston	Fruits	Strawberry
<i>Fragaria viridis</i> Weston subsp. <i>viridis</i>	Fruits	Strawberry
<i>Galega orientalis</i> Lam.	Fodder/forage	Fodder galega
<i>Hedysarum coronarium</i> L.	Fodder/forage	Sulla
<i>Helianthus annuus</i> L.	Seeds/oils	Sunflower seed
<i>Helianthus debilis</i> Nutt.	Seeds/oils	Sunflower seed
<i>Helianthus decapetalus</i> L.	Seeds/oils	Sunflower seed
<i>Helianthus giganteus</i> L.	Seeds/oils	Sunflower seed
<i>Helianthus pauciflorus</i> Nutt.	Seeds/oils	Sunflower seed
<i>Helianthus petiolaris</i> Nutt.	Seeds/oils	Sunflower seed
<i>Helianthus strumosus</i> L.	Seeds/oils	Sunflower seed
<i>Hordeum brevisubulatum</i> (Trin.) Link	Cereals	Barley
<i>Hordeum brevisubulatum</i> (Trin.) Link subsp. <i>brevisubulatum</i>	Cereals	Barley
<i>Hordeum brevisubulatum</i> subsp. <i>nevskianum</i> (Bowden) Tzvelev	Cereals	Barley
<i>Hordeum brevisubulatum</i> subsp. <i>turkestanicum</i> (Nevski) Tzvelev	Cereals	Barley
<i>Hordeum brevisubulatum</i> subsp. <i>violaceum</i> (Boiss. & Hohen.) Tzvelev	Cereals	Barley
<i>Hordeum bulbosum</i> L.	Cereals	Barley
<i>Hordeum bulbosum</i> L. subsp. <i>bulbosum</i>	Cereals	Barley

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Hordeum bulbosum</i> subsp. <i>nodosum</i> (L.) B. R. Baum	Cereals	Barley
<i>Hordeum jubatum</i> L.	Cereals	Barley
<i>Hordeum marinum</i> Huds.	Cereals	Wheat
<i>Hordeum vulgare</i> L.	Cereals	Barley
<i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>	Cereals	Barley
<i>Hordeum vulgare</i> subsp. <i>aegiceras</i> (Nees ex Royle) Á. Löve	Cereals	Barley
<i>Hordeum vulgare</i> subsp. <i>agriocrithon</i> (Åberg) Á. Löve & D. Löve	Cereals	Barley
<i>Hordeum vulgare</i> subsp. <i>distichon</i> (L.) Körn.	Cereals	Barley
<i>Hordeum vulgare</i> subsp. <i>spontaneum</i> (K. Koch) Thell.	Cereals	Barley
<i>Humulus lupulus</i> L.	Beverages	Hop
<i>Juglans ailantifolia</i> Carrière	Nuts	Black walnut
<i>Juglans ailantifolia</i> Carrière	Nuts	English walnut
<i>Juglans ailantifolia</i> Carrière	Nuts	Japanese walnut
<i>Juglans cinerea</i> L.	Nuts	Japanese walnut
<i>Juglans mandshurica</i> Maxim.	Fruits (savoury)	Butternut
<i>Juglans mandshurica</i> Maxim.	Nuts	English walnut
<i>Juglans mandshurica</i> Maxim.	Nuts	Japanese walnut
<i>Juglans nigra</i> L.	Nuts	Black walnut
<i>Juglans nigra</i> L.	Nuts	English walnut
<i>Juglans nigra</i> L.	Nuts	Japanese walnut
<i>Juglans regia</i> L.	Nuts	Black walnut
<i>Juglans regia</i> L.	Nuts	English walnut
<i>Juglans regia</i> L.	Nuts	Japanese walnut
<i>Lactuca aculeata</i> Boiss. & Kotschy	Vegetables (salad)	Lettuce
<i>Lactuca alpestris</i> (Gand.) Rech. f.	Vegetables (salad)	Lettuce
<i>Lactuca cyprica</i> (Rech. f.) N. Kilian & Greuter	Vegetables (salad)	Lettuce
<i>Lactuca georgica</i> Grossh.	Vegetables (salad)	Lettuce
<i>Lactuca saligna</i> L.	Vegetables (salad)	Lettuce

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Lactuca scarioloides</i> Boiss.	Vegetables (salad)	Lettuce
<i>Lactuca serriola</i> L.	Vegetables (salad)	Lettuce
<i>Lactuca singularis</i> Wilmott	Vegetables (salad)	Lettuce
<i>Lactuca tetrantha</i> B. L. Burt & P. H. Davis	Vegetables (salad)	Lettuce
<i>Lactuca virosa</i> L.	Vegetables (salad)	Lettuce
<i>Lactuca virosa</i> subsp. <i>livida</i> (Boiss. & Reut.) Ladero & A. Velasco	Vegetables (salad)	Lettuce
<i>Lactuca watsoniana</i> Trel.	Vegetables (salad)	Lettuce
<i>Lathyrus amphicarpos</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus amphicarpos</i> L.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus annuus</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus blepharicarpus</i> Boiss.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus blepharicarpus</i> Boiss.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus cassius</i> Boiss.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus chloranthus</i> Boiss.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus chloranthus</i> Boiss.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus cicera</i> L.	Fodder/forage	Chickling vetch
<i>Lathyrus cicera</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus cicera</i> L.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus cirrhosus</i> Ser.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus clymenum</i> L.	Fodder/forage	Cyprus vetch/ochrus chickling
<i>Lathyrus clymenum</i> L.	Pulses	Garden pea
<i>Lathyrus gorgoni</i> Parl.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus gorgoni</i> Parl.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus grandiflorus</i> Sibth. & Sm.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus heterophyllus</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus hierosolymitanus</i> Boiss.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus hierosolymitanus</i> Boiss.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus hirsutus</i> L.	Fodder/forage	Chickling vetch/flat pod peavine

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Lathyrus hirsutus</i> L.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus hirsutus</i> L.	Fodder/forage	Hairy vetchling
<i>Lathyrus latifolius</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus latifolius</i> L. var. <i>latifolius</i>	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus ochrus</i> (L.) DC.	Fodder/forage	Cyprus vetch/ochrus chickling
<i>Lathyrus ochrus</i> (L.) DC.	Fodder/forage	Winged vetchling
<i>Lathyrus ochrus</i> (L.) DC.	Pulses	Garden pea
<i>Lathyrus odoratus</i> L.	Fodder/forage	Sweet pea
<i>Lathyrus rotundifolius</i> Willd.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus sativus</i> L.	Fodder/forage	Grass pea/common chickling
<i>Lathyrus sativus</i> L.	Pulses	Garden pea
<i>Lathyrus stenophyllus</i> Boiss. & Heldr.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus sylvestris</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus tingitanus</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus tuberosus</i> L.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lathyrus undulatus</i> Boiss.	Fodder/forage	Chickling vetch/flat pod peavine
<i>Lens culinaris</i> Medik.	Pulses	Lentil
<i>Lens culinaris</i> Medik. subsp. <i>culinaris</i>	Pulses	Lentil
<i>Lens culinaris</i> subsp. <i>odemensis</i> (Ladiz.) M. E. Ferguson & al.	Pulses	Lentil
<i>Lens culinaris</i> subsp. <i>orientalis</i> (Boiss.) Ponert	Pulses	Lentil
<i>Lens ervoides</i> (Brign.) Grande	Pulses	Lentil
<i>Lens lamottei</i> Czefr.	Pulses	Lentil
<i>Lens nigricans</i> (M. Bieb.) Godr.	Pulses	Lentil
<i>Lepidium meyeri</i> subsp. <i>turczaninowii</i> (Lipsky) Schmalh.	Vegetables (salad)	Garden cress
<i>Lepidium sativum</i> L.	Vegetables (salad)	Garden cress
<i>Lepidium sativum</i> L. subsp. <i>sativum</i>	Vegetables (salad)	Garden cress
<i>Leymus angustus</i> (Trin.) Pilg.	Cereals	Wheat
<i>Leymus arenarius</i> (L.) Hochst.	Cereals	Wheat

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Leymus mollis</i> (Trin.) H. Hara	Cereals	Wheat
<i>Leymus racemosus</i> (Lam.) Tzvelev	Cereals	Wheat
<i>Leymus racemosus</i> (Lam.) Tzvelev subsp. <i>racemosus</i>	Cereals	Wheat
<i>Leymus racemosus</i> subsp. <i>klokovii</i> Tzvelev	Cereals	Wheat
<i>Leymus racemosus</i> subsp. <i>sabulosus</i> (M. Bieb.) Tzvelev	Cereals	Wheat
<i>Linum bienne</i> Mill.	Seeds/oils	Linseed
<i>Linum corymbiferum</i> Desf.	Seeds/oils	Linseed
<i>Linum decumbens</i> Desf.	Seeds/oils	Linseed
<i>Linum hirsutum</i> L.	Seeds/oils	Linseed
<i>Linum hirsutum</i> L. subsp. <i>hirsutum</i>	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>anatolicum</i> (Boiss.) Hayek	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>bozdaghense</i> Yılmaz & Kaynak	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>byzantinum</i> Azn.	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>glabrescens</i> (Rochel) Soó	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>oreocaricum</i> P. H. Davis	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>platyphyllum</i> (P. H. Davis) Yılmaz & Kaynak	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>pseudoanatolicum</i> P. H. Davis	Seeds/oils	Linseed
<i>Linum hirsutum</i> subsp. <i>spathulatum</i> (Halácsy & Bald.) Hayek	Seeds/oils	Linseed
<i>Linum nervosum</i> subsp. <i>jailicola</i> (Juz.) T. V. Egorova	Seeds/oils	Linseed
<i>Linum nervosum</i> Waldst. & Kit.	Seeds/oils	Linseed
<i>Lolium multiflorum</i> Lam.	Fodder/forage	Italian ryegrass
<i>Lolium perenne</i> L.	Fodder/forage	Perennial ryegrass
<i>Lolium perenne</i> L. subsp. <i>perenne</i>	Fodder/forage	Perennial ryegrass
<i>Lolium rigidum</i> Gaudin	Fodder/forage	Annual ryegrass
<i>Lolium rigidum</i> Gaudin subsp. <i>rigidum</i>	Fodder/forage	Annual ryegrass
<i>Lolium rigidum</i> subsp. <i>lepturoides</i> Sennen & Mauricio	Fodder/forage	Annual ryegrass
<i>Lolium temulentum</i> L.	Fodder/forage	Bearded ryegrass
<i>Lotus corniculatus</i> L.	Fodder/forage	Birdsfoot trefoil

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Lotus corniculatus</i> subsp. <i>frondosus</i> Freyn	Fodder/forage	Birdsfoot trefoil
<i>Lotus pedunculatus</i> Cav.	Fodder/forage	Greater birdsfoot trefoil
<i>Lotus subbiflorus</i> Lag.	Fodder/forage	Hairy birdsfoot trefoil
<i>Lupinus albus</i> L.	Fodder/forage	Andean lupin
<i>Lupinus albus</i> L.	Fodder/forage	White lupin
<i>Lupinus albus</i> L. subsp. <i>albus</i>	Fodder/forage	Andean lupin
<i>Lupinus albus</i> L. subsp. <i>albus</i>	Fodder/forage	White lupin
<i>Lupinus albus</i> subsp. <i>graecus</i> (Boiss. & Spruner) Franco & P. Silva	Fodder/forage	Andean lupin
<i>Lupinus albus</i> subsp. <i>graecus</i> (Boiss. & Spruner) Franco & P. Silva	Fodder/forage	White lupin
<i>Lupinus angustifolius</i> L.	Fodder/forage	Blue lupin
<i>Lupinus angustifolius</i> L.	Fodder/forage	Narrow leaved lupin
<i>Lupinus angustifolius</i> L.	Fodder/forage	Yellow lupin
<i>Lupinus angustifolius</i> L. subsp. <i>angustifolius</i>	Fodder/forage	Blue lupin
<i>Lupinus angustifolius</i> L. subsp. <i>angustifolius</i>	Fodder/forage	Yellow lupin
<i>Lupinus angustifolius</i> subsp. <i>reticulatus</i> (Desv.) Arcang.	Fodder/forage	Blue lupin
<i>Lupinus angustifolius</i> subsp. <i>reticulatus</i> (Desv.) Arcang.	Fodder/forage	Yellow lupin
<i>Lupinus cosentinii</i> Guss.	Fodder/forage	Sandplain lupin
<i>Lupinus hispanicus</i> Boiss. & Reut.	Fodder/forage	Blue lupin
<i>Lupinus hispanicus</i> Boiss. & Reut.	Fodder/forage	Yellow lupin
<i>Lupinus hispanicus</i> var. <i>bicolor</i> (Merino) Gladst.	Fodder/forage	Blue lupin
<i>Lupinus luteus</i> L.	Fodder/forage	Blue lupin
<i>Lupinus luteus</i> L.	Fodder/forage	Yellow lupin
<i>Lupinus micranthus</i> Guss.	Fodder/forage	White lupin
<i>Lupinus pilosus</i> L.	Fodder/forage	Sandplain lupin
<i>Malus crescimannoi</i> Raimondo	Fruits	Apple
<i>Malus pumila</i> Mill.	Fruits	Apple
<i>Malus sylvestris</i> (L.) Mill.	Fruits	Apple
<i>Malus sylvestris</i> (L.) Mill. subsp. <i>sylvestris</i>	Fruits	Apple

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Malus sylvestris</i> subsp. <i>orientalis</i> (Uglitzk.) Browicz	Fruits	Apple
<i>Malus sylvestris</i> subsp. <i>praecox</i> (Pall.) Soó	Fruits	Apple
<i>Medicago arborea</i> L.	Fodder/forage	Alfalfa
<i>Medicago arborea</i> L.	Fodder/forage	Tree medic
<i>Medicago cancellata</i> M. Bieb.	Fodder/forage	Alfalfa
<i>Medicago constricta</i> Durieu	Fodder/forage	Barrel medic
<i>Medicago cretacea</i> M. Bieb.	Fodder/forage	Alfalfa
<i>Medicago cretacea</i> M. Bieb.	Fodder/forage	Barrel medic
<i>Medicago doliata</i> Carmign.	Fodder/forage	Barrel medic
<i>Medicago doliata</i> Carmign.	Fodder/forage	Straight-spined medic
<i>Medicago falcata</i> L.	Fodder/forage	Alfalfa
<i>Medicago falcata</i> L.	Fodder/forage	Yellow lucerne
<i>Medicago fischeriana</i> (Ser.) Trautv.	Fodder/forage	Alfalfa
<i>Medicago fischeriana</i> (Ser.) Trautv.	Fodder/forage	Barrel medic
<i>Medicago glomerata</i> Balb.	Fodder/forage	Alfalfa
<i>Medicago heyniana</i> Greuter	Fodder/forage	Alfalfa
<i>Medicago heyniana</i> Greuter	Fodder/forage	Barrel medic
<i>Medicago hypogaea</i> E. Small	Fodder/forage	Alfalfa
<i>Medicago hypogaea</i> E. Small	Fodder/forage	Barrel medic
<i>Medicago littoralis</i> Loisel.	Fodder/forage	Barrel medic
<i>Medicago littoralis</i> Loisel.	Fodder/forage	Shore medic
<i>Medicago lupulina</i> L.	Fodder/forage	Trefoil
<i>Medicago lupulina</i> var. <i>cupaniana</i> (Guss.) Boiss.	Fodder/forage	Trefoil
<i>Medicago marina</i> L.	Fodder/forage	Alfalfa
<i>Medicago murex</i> Willd.	Fodder/forage	Alfalfa
<i>Medicago murex</i> Willd.	Fodder/forage	Sphere medic
<i>Medicago papillosa</i> Boiss.	Fodder/forage	Alfalfa
<i>Medicago pironae</i> Vis.	Fodder/forage	Alfalfa

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Medicago polymorpha</i> L.	Fodder/forage	Bur medic
<i>Medicago prostrata</i> Jacq.	Fodder/forage	Alfalfa
<i>Medicago rigidula</i> (L.) All.	Fodder/forage	Barrel medic
<i>Medicago rigidula</i> (L.) All.	Fodder/forage	Field medic
<i>Medicago rugosa</i> Desr.	Fodder/forage	Alfalfa
<i>Medicago rugosa</i> Desr.	Fodder/forage	Wrinkled/gama medic
<i>Medicago rupestris</i> M. Bieb.	Fodder/forage	Alfalfa
<i>Medicago sativa</i> L.	Fodder/forage	Lucerne
<i>Medicago sativa</i> L. subsp. <i>sativa</i>	Fodder/forage	Alfalfa
<i>Medicago sativa</i> nothosubsp. <i>varia</i> (Martyn) Arcang.	Fodder/forage	Alfalfa
<i>Medicago sativa</i> nothosubsp. <i>varia</i> (Martyn) Arcang.	Fodder/forage	Sand lucerne
<i>Medicago sativa</i> subsp. <i>microcarpa</i> Urb.	Fodder/forage	Alfalfa
<i>Medicago scutellata</i> (L.) Mill.	Fodder/forage	Barrel medic
<i>Medicago scutellata</i> (L.) Mill.	Fodder/forage	Snail medic
<i>Medicago soleirolii</i> Duby	Fodder/forage	Alfalfa
<i>Medicago strasseri</i> Greuter & al.	Fodder/forage	Alfalfa
<i>Medicago strasseri</i> Greuter & al.	Fodder/forage	Barrel medic
<i>Medicago tornata</i> subsp. <i>helix</i> (Willd.) Ooststr. & Reichg.	Fodder/forage	Barrel medic
<i>Medicago tornata</i> subsp. <i>helix</i> (Willd.) Ooststr. & Reichg.	Fodder/forage	Disc medic
<i>Medicago truncatula</i> Gaertn.	Fodder/forage	Barrel clover
<i>Medicago truncatula</i> Gaertn.	Fodder/forage	Barrel medic
<i>Medicago turbinata</i> (L.) All.	Fodder/forage	Barrel medic
<i>Melilotus albus</i> Medik.	Fodder/forage	Honey clover
<i>Melilotus officinalis</i> (L.) Lam.	Fodder/forage	Yellow sweet clover
<i>Mentha suaveolens</i> Ehrh.	Herbs	Peppermint
<i>Mentha suaveolens</i> Ehrh. subsp. <i>suaveolens</i>	Herbs	Peppermint
<i>Mentha suaveolens</i> subsp. <i>insularis</i> (Req. ex Gren. & Godr.) Greuter	Herbs	Peppermint
<i>Moricandia arvensis</i> (L.) DC.	Oils/fodder	Rape

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Moricandia arvensis</i> (L.) DC.	Spices/oils/vegetables (green)	Mustard
<i>Moricandia arvensis</i> (L.) DC.	Vegetables (green)	Cabbage
<i>Moricandia arvensis</i> (L.) DC.	Vegetables (salad)	Radish
<i>Myrtus communis</i> L.	Fruits	Myrtle berry
<i>Myrtus communis</i> L. subsp. <i>communis</i>	Fruits	Myrtle berry
<i>Myrtus communis</i> subsp. <i>tarentina</i> (L.) Nyman	Fruits	Myrtle berry
<i>Ochlopoa annua</i> (L.) H. Scholz	Fodder/forage	Annual meadowgrass
<i>Ochlopoa annua</i> (L.) H. Scholz subsp. <i>annua</i>	Fodder/forage	Annual meadowgrass
<i>Ochlopoa annua</i> subsp. <i>notabilis</i> (Chrtek & V. Jirásek) H. Scholz & Valdés	Fodder/forage	Annual meadowgrass
<i>Ochlopoa annua</i> subsp. <i>pilantha</i> (Ronniger) H. Scholz & Valdés	Fodder/forage	Annual meadowgrass
<i>Ochlopoa annua</i> subsp. <i>raniglumis</i> (E. Fröhner) H. Scholz & Valdés	Fodder/forage	Annual meadowgrass
<i>Olea europaea</i> L. subsp. <i>europaea</i>	Fruits/oils	Olive
<i>Olea europaea</i> subsp. <i>cerasiformis</i> G. Kunkel & Sunding	Fruits/oils	Olive
<i>Olea europaea</i> subsp. <i>guanchica</i> P. Vargas & al.	Fruits/oils	Olive
<i>Onobrychis viciifolia</i> Scop.	Fodder/forage	Sainfoin
<i>Ornithopus compressus</i> L.	Fodder/forage	Yellow serradella
<i>Ornithopus sativus</i> Brot.	Fodder/forage	Serradella
<i>Ornithopus sativus</i> subsp. <i>isthmocarpus</i> (Coss.) Dostál	Fodder/forage	Serradella
<i>Oryza rufipogon</i> Griff.	Cereals	Rice
<i>Panicum miliaceum</i> L. subsp. <i>miliaceum</i>	Cereals	Proso millet
<i>Panicum miliaceum</i> subsp. <i>agricolum</i> H. Scholz & Mikoláš	Cereals	Proso millet
<i>Panicum miliaceum</i> subsp. <i>runderale</i> (Kitag.) Tzvelev	Cereals	Proso millet
<i>Papaver somniferum</i> L.	Oils/spices	Poppy seed
<i>Patellifolia procumbens</i> (C. Sm.) A. J. Scott & al.	Sugar/fodder/vegetables (green)	Sugarbeet
<i>Phalaris aquatica</i> L.	Fodder/forage	Harding grass
<i>Phalaris canariensis</i> L.	Fodder/forage	Canary grass
<i>Phalaroides arundinacea</i> (L.) Rauschert	Fodder/forage	Reed canary grass
<i>Phalaroides arundinacea</i> (L.) Rauschert subsp. <i>arundinacea</i>	Fodder/forage	Reed canary grass

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Phalaroides arundinacea</i> subsp. <i>oehlerii</i> (Pilg.) Valdés & H. Scholz	Fodder/forage	Reed canary grass
<i>Phalaroides arundinacea</i> subsp. <i>rotgesii</i> (Husn.) Valdés & H. Scholz	Fodder/forage	Reed canary grass
<i>Phleum nodosum</i> L.	Fodder/forage	Small timothy
<i>Phleum pratense</i> L.	Fodder/forage	Timothy
<i>Phleum pratense</i> L. subsp. <i>pratense</i>	Fodder/forage	Timothy
<i>Phleum pratense</i> subsp. <i>brachystachyum</i> (Salis) Gamisans	Fodder/forage	Timothy
<i>Phoenix canariensis</i> Chabaud	Fruits/oils	Date
<i>Phoenix dactylifera</i> L.	Fruits/oils	Date
<i>Phoenix theophrasti</i> Greuter	Fruits/oils	Date
<i>Pistacia atlantica</i> Desf.	Nuts	Pistachio
<i>Pistacia atlantica</i> subsp. <i>cypricola</i> H. Lindb.	Nuts	Pistachio
<i>Pistacia atlantica</i> subsp. <i>mutica</i> (Fisch. & C. A. Mey.) Rech. f.	Nuts	Pistachio
<i>Pistacia eurycarpa</i> Yalt.	Nuts	Pistachio
<i>Pistacia khinjuk</i> Stocks	Nuts	Pistachio
<i>Pistacia lentiscus</i> L.	Nuts	Pistachio
<i>Pistacia terebinthus</i> L.	Nuts	Pistachio
<i>Pistacia terebinthus</i> L. subsp. <i>terebinthus</i>	Nuts	Pistachio
<i>Pistacia terebinthus</i> subsp. <i>palaestina</i> (Boiss.) Engl.	Nuts	Pistachio
<i>Pisum fulvum</i> Sm.	Pulses	Garden pea
<i>Pisum sativum</i> L. subsp. <i>sativum</i>	Pulses	Garden pea
<i>Pisum sativum</i> subsp. <i>elatius</i> (M. Bieb.) Asch. & Graebn.	Pulses	Garden pea
<i>Plantago lanceolata</i> L.	Fodder/forage	Ribwort plantain
<i>Poa alpina</i> L.	Fodder/forage	Alpine bluegrass
<i>Poa alpina</i> L. subsp. <i>alpina</i>	Fodder/forage	Alpine bluegrass
<i>Poa alpina</i> subsp. <i>brevifolia</i> Gaudin	Fodder/forage	Alpine bluegrass
<i>Poa palustris</i> L.	Fodder/forage	Swamp meadowgrass
<i>Poa palustris</i> L. subsp. <i>palustris</i>	Fodder/forage	Swamp meadowgrass
<i>Poa palustris</i> subsp. <i>volhynensis</i> (Klokov) Tzvelev	Fodder/forage	Swamp meadowgrass

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Poa pratensis</i> L.	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> L. subsp. <i>pratensis</i>	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> subsp. <i>colpodea</i> (Th. Fr.) Tzvelev	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> subsp. <i>dolichophylla</i> (Hack.) Portal	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> subsp. <i>irrigata</i> (Lindm.) H. Lindb.	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> subsp. <i>jordanii</i> Portal	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> subsp. <i>rigens</i> (Hartm.) Tzvelev	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa pratensis</i> subsp. <i>turfosa</i> (Litv.) Vorosch.	Fodder/forage	Smooth-stalked meadowgrass
<i>Poa trivialis</i> L.	Fodder/forage	Rough-stalked meadowgrass
<i>Poa trivialis</i> L. subsp. <i>trivialis</i>	Fodder/forage	Rough-stalked meadowgrass
<i>Poa trivialis</i> subsp. <i>latifolia</i> (Schur) Portal	Fodder/forage	Rough-stalked meadowgrass
<i>Poa trivialis</i> subsp. <i>semineutra</i> (Willd.) Portal	Fodder/forage	Rough-stalked meadowgrass
<i>Poa trivialis</i> subsp. <i>sylvicola</i> (Guss.) H. Lindb.	Fodder/forage	Rough-stalked meadowgrass
<i>Prunus arabica</i> (Olivier) Meikle	Nuts	Almond
<i>Prunus argentea</i> (Lam.) Rehder	Fruits	Peach
<i>Prunus argentea</i> (Lam.) Rehder	Nuts	Almond
<i>Prunus armeniaca</i> L.	Fruits	Apricot
<i>Prunus armeniaca</i> L.	Fruits	Japanese plum
<i>Prunus armeniaca</i> L.	Fruits	Peach
<i>Prunus armeniaca</i> L.	Fruits	Plum
<i>Prunus avium</i> (L.) L.	Fruits	Sour cherry
<i>Prunus avium</i> (L.) L.	Fruits	Sweet cherry
<i>Prunus brigantina</i> Vill.	Fruits	Apricot
<i>Prunus brigantina</i> Vill.	Fruits	Peach
<i>Prunus brigantina</i> Vill.	Fruits	Plum
<i>Prunus brigantina</i> Vill.	Nuts	Almond
<i>Prunus carduchorum</i> (Bornm.) Meikle	Nuts	Almond
<i>Prunus cerasifera</i> Ehrh.	Fruits	Apricot

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Prunus cerasifera</i> Ehrh.	Fruits	Japanese plum
<i>Prunus cerasifera</i> Ehrh.	Fruits	Myrobalan plum
<i>Prunus cerasifera</i> Ehrh.	Fruits	Peach
<i>Prunus cerasifera</i> Ehrh.	Fruits	Plum
<i>Prunus cerasifera</i> Ehrh.	Nuts	Almond
<i>Prunus discolor</i> (Spach) C. K. Schneid.	Nuts	Almond
<i>Prunus dulcis</i> (Mill.) D. A. Webb	Fruits	Peach
<i>Prunus dulcis</i> (Mill.) D. A. Webb	Nuts	Almond
<i>Prunus fenzliana</i> R. M. Fritsch	Fruits	Peach
<i>Prunus fenzliana</i> R. M. Fritsch	Nuts	Almond
<i>Prunus fruticosa</i> Pall.	Fruits	Sour cherry
<i>Prunus fruticosa</i> Pall.	Fruits	Sweet cherry
<i>Prunus incana</i> (Pall.) Steven	Fruits	Peach
<i>Prunus kotschyi</i> (Spach) Náb.	Nuts	Almond
<i>Prunus lusitanica</i> L.	Fruits	Stonefruits
<i>Prunus lusitanica</i> L. subsp. <i>lusitanica</i>	Fruits	Stonefruits
<i>Prunus lusitanica</i> subsp. <i>azorica</i> (Mouill.) Franco	Fruits	Stonefruits
<i>Prunus lusitanica</i> subsp. <i>hixa</i> (Willd.) Franco	Fruits	Stonefruits
<i>Prunus lycioides</i> (Spach) C. K. Schneid.	Fruits	Peach
<i>Prunus lycioides</i> (Spach) C. K. Schneid.	Nuts	Almond
<i>Prunus mahaleb</i> L.	Fruits	Sour cherry
<i>Prunus mahaleb</i> L.	Fruits	Sweet cherry
<i>Prunus microcarpa</i> C. A. Mey.	Fruits	Japanese plum
<i>Prunus padus</i> L.	Fruits	Sour cherry
<i>Prunus padus</i> L. subsp. <i>padus</i>	Fruits	Sweet cherry
<i>Prunus padus</i> subsp. <i>borealis</i> (A. Blytt) Nyman	Fruits	Sweet cherry
<i>Prunus persica</i> (L.) Batsch	Fruits	Peach
<i>Prunus persica</i> (L.) Batsch	Nuts	Almond

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Prunus prostrata</i> Labill.	Fruits	Myrobalan plum
<i>Prunus prostrata</i> Labill.	Fruits	Plum
<i>Prunus ramburii</i> Boiss.	Fruits	Japanese plum
<i>Prunus spinosa</i> L.	Fruits	Apricot
<i>Prunus spinosa</i> L.	Fruits	Japanese plum
<i>Prunus spinosa</i> L.	Fruits	Peach
<i>Prunus spinosa</i> L.	Fruits	Plum
<i>Prunus spinosa</i> L. subsp. <i>spinosa</i>	Fruits	Apricot
<i>Prunus spinosa</i> L. subsp. <i>spinosa</i>	Fruits	Japanese plum
<i>Prunus spinosa</i> L. subsp. <i>spinosa</i>	Fruits	Peach
<i>Prunus spinosa</i> L. subsp. <i>spinosa</i>	Fruits	Plum
<i>Prunus spinosa</i> subsp. <i>dasyphylla</i> (Schur) Domin	Fruits	Apricot
<i>Prunus spinosa</i> subsp. <i>dasyphylla</i> (Schur) Domin	Fruits	Japanese plum
<i>Prunus spinosa</i> subsp. <i>dasyphylla</i> (Schur) Domin	Fruits	Peach
<i>Prunus spinosa</i> subsp. <i>dasyphylla</i> (Schur) Domin	Fruits	Plum
<i>Prunus tomentosa</i> Thunb.	Fruits	Japanese plum
<i>Prunus tomentosa</i> Thunb.	Fruits	Myrobalan plum
<i>Prunus tomentosa</i> Thunb.	Fruits	Peach
<i>Prunus tomentosa</i> Thunb.	Fruits	Sweet cherry
<i>Prunus trichamygdalus</i> Hand.-Mazz.	Nuts	Almond
<i>Prunus webbii</i> (Spach) Vierh.	Fruits	Peach
<i>Prunus webbii</i> (Spach) Vierh.	Nuts	Almond
<i>Pyrus bourgaeana</i> Decne.	Fruits	Pear
<i>Pyrus bourgaeana</i> Decne.	Fruits	Ussurian pear
<i>Pyrus communis</i> L.	Fruits	Pear
<i>Pyrus communis</i> L. subsp. <i>communis</i>	Fruits	Pear
<i>Pyrus communis</i> subsp. <i>caucasica</i> (Fed.) Browicz	Fruits	Pear
<i>Pyrus communis</i> subsp. <i>caucasica</i> (Fed.) Browicz	Fruits	Ussurian pear

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Pyrus communis</i> subsp. <i>pyraster</i> (L.) Ehrh.	Fruits	Pear
<i>Pyrus cordata</i> Desv.	Fruits	Pear
<i>Pyrus cordata</i> Desv.	Fruits	Ussurian pear
<i>Pyrus elaeagrifolia</i> Pall.	Fruits	Asian pear/Nashi pear
<i>Pyrus elaeagrifolia</i> Pall.	Fruits	Pear
<i>Pyrus elaeagrifolia</i> Pall.	Fruits	Ussurian pear
<i>Pyrus elaeagrifolia</i> Pall. subsp. <i>elaegrifolia</i>	Fruits	Pear
<i>Pyrus elaeagrifolia</i> subsp. <i>bulgarica</i> (Kuth. & Sachok.) Valev	Fruits	Pear
<i>Pyrus elaeagrifolia</i> subsp. <i>kotschyana</i> (Decne.) Browicz	Fruits	Pear
<i>Pyrus magyarica</i> Terpó	Fruits	Asian pear/Nashi pear
<i>Pyrus magyarica</i> Terpó	Fruits	Pear
<i>Pyrus nivalis</i> Jacq.	Fruits	Pear
<i>Pyrus salicifolia</i> Pall.	Fruits	Pear
<i>Pyrus salicifolia</i> Pall.	Fruits	Ussurian pear
<i>Pyrus spinosa</i> Forssk.	Fruits	Pear
<i>Pyrus spinosa</i> Forssk.	Fruits	Ussurian pear
<i>Pyrus syriaca</i> Boiss.	Fruits	Pear
<i>Pyrus syriaca</i> Boiss.	Fruits	Ussurian pear
<i>Raphanus raphanistrum</i> L.	Oils/fodder	Rape
<i>Raphanus raphanistrum</i> L.	Spices/oils/vegetables (green)	Mustard
<i>Raphanus raphanistrum</i> L.	Vegetables (salad)	Radish
<i>Raphanus raphanistrum</i> L. subsp. <i>raphanistrum</i>	Vegetables (salad)	Radish
<i>Raphanus raphanistrum</i> subsp. <i>landra</i> (Moretti ex DC.) Bonnier & Layens	Vegetables (salad)	Radish
<i>Raphanus raphanistrum</i> subsp. <i>rostratus</i> (DC.) Thell.	Vegetables (salad)	Radish
<i>Raphanus sativus</i> L.	Fodder/forage	Fodder radish
<i>Raphanus sativus</i> L.	Vegetables (salad)	Radish
<i>Ribes aureum</i> Pursh	Fruits	Blackcurrant
<i>Ribes aureum</i> Pursh	Fruits	Gooseberry

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Ribes divaricatum</i> Douglas	Fruits	Blackcurrant
<i>Ribes divaricatum</i> Douglas	Fruits	Gooseberry
<i>Ribes multiflorum</i> Roem. & Schult.	Fruits	Blackcurrant
<i>Ribes multiflorum</i> Roem. & Schult.	Fruits	Redcurrant
<i>Ribes multiflorum</i> Roem. & Schult. subsp. <i>multiflorum</i>	Fruits	Redcurrant
<i>Ribes multiflorum</i> subsp. <i>sandalioticum</i> Arrigoni	Fruits	Redcurrant
<i>Ribes nigrum</i> L.	Fruits	Blackcurrant
<i>Ribes nigrum</i> L.	Fruits	Gooseberry
<i>Ribes petraeum</i> Wulfen	Fruits	Blackcurrant
<i>Ribes petraeum</i> Wulfen	Fruits	Redcurrant
<i>Ribes rubrum</i> L.	Fruits	Blackcurrant
<i>Ribes rubrum</i> L.	Fruits	Redcurrant
<i>Ribes sanguineum</i> Pursh	Fruits	Blackcurrant
<i>Ribes spicatum</i> E. Robson	Fruits	Redcurrant
<i>Ribes spicatum</i> E. Robson subsp. <i>spicatum</i>	Fruits	Redcurrant
<i>Ribes spicatum</i> subsp. <i>hispidulum</i> (Jancz.) Hämet-Ahti	Fruits	Redcurrant
<i>Ribes spicatum</i> subsp. <i>lapponicum</i> Hyl.	Fruits	Redcurrant
<i>Ribes uva-crispa</i> L.	Fruits	Blackcurrant
<i>Ribes uva-crispa</i> L.	Fruits	Gooseberry
<i>Rorippa prolifera</i> (Heuff.) Neilr.	Vegetables (salad)	Variableleaf yellowcress
<i>Rorippa valdes-bermejoi</i> (Castrov.) Mart.-Laborde & Castrov.	Vegetables (salad)	Variableleaf yellowcress
<i>Rubus cockburnianus</i> Hemsl.	Fruits	Raspberry
<i>Rubus idaeus</i> L.	Fruits	Raspberry
<i>Rubus idaeus</i> L. subsp. <i>idaeus</i>	Fruits	Raspberry
<i>Rubus idaeus</i> subsp. <i>melanolasius</i> Focke	Fruits	Raspberry
<i>Rubus illecebrosus</i> Focke	Fruits	Raspberry
<i>Rubus occidentalis</i> L.	Fruits	Raspberry
<i>Rubus odoratus</i> L.	Fruits	Raspberry

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Rubus phoenicolasius</i> Maxim.	Fruits	Raspberry
<i>Rubus saxatilis</i> L.	Fruits	Raspberry
<i>Rubus spectabilis</i> Pursh	Fruits	Raspberry
<i>Saccharum spontaneum</i> L.	Sugar	Sugarcane
<i>Saccharum spontaneum</i> subsp. <i>aegyptiacum</i> (Willd.) Hack.	Sugar	Sugarcane
<i>Salsola vermiculata</i> L.	Fodder/forage	Mediterranean saltwort
<i>Schedonorus arundinaceus</i> (Schreb.) Dumont subsp. <i>arundinaceus</i>	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> (Schreb.) Dumort.	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> subsp. <i>atlantigenus</i> (St.-Yves) H. Scholz	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> subsp. <i>cirtensis</i> (St.-Yves) H. Scholz & Valdés	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> subsp. <i>corsicus</i> (Hack.) Foggi & Signorini	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> subsp. <i>fenas</i> (Lag.) H. Scholz	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> subsp. <i>mediterraneus</i> (Hack.) H. Scholz & Valdés	Fodder/forage	Tall fescue
<i>Schedonorus arundinaceus</i> subsp. <i>orientalis</i> (Hack.) H. Scholz & Valdés	Fodder/forage	Tall fescue
<i>Schedonorus giganteus</i> (L.) Holub	Fodder/forage	Giant fescue
<i>Schedonorus pratensis</i> (Huds.) P. Beauv.	Fodder/forage	Meadow fescue
<i>Schedonorus pratensis</i> (Huds.) P. Beauv. subsp. <i>pratensis</i>	Fodder/forage	Meadow fescue
<i>Schedonorus pratensis</i> subsp. <i>apenninus</i> (De Not.) H. Scholz & Valdés	Fodder/forage	Meadow fescue
<i>Secale cereale</i> L.	Cereals	Wheat
<i>Secale cereale</i> L. subsp. <i>cereale</i>	Cereals	Rye
<i>Secale cereale</i> subsp. <i>ancestrale</i> Zhuk.	Cereals	Rye
<i>Secale strictum</i> (C. Presl) C. Presl	Cereals	Rye
<i>Secale strictum</i> (C. Presl) C. Presl subsp. <i>strictum</i>	Cereals	Rye
<i>Secale strictum</i> subsp. <i>anatolicum</i> (Boiss.) Hammer	Cereals	Rye
<i>Secale strictum</i> subsp. <i>balcanum</i> (Ganchev) Valdés & H. Scholz	Cereals	Rye
<i>Secale strictum</i> subsp. <i>ciliatoglume</i> (Boiss.) Hammer	Cereals	Rye
<i>Secale sylvestre</i> Host	Cereals	Rye
<i>Secale vavilovii</i> Grossh.	Cereals	Rye

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Securigera varia</i> (L.) Lassen	Fodder/forage	Crownvetch
<i>Setaria italica</i> (L.) P. Beauv.	Cereals	Foxtail millet
<i>Setaria italica</i> (L.) P. Beauv. subsp. <i>italica</i>	Cereals	Foxtail millet
<i>Setaria italica</i> subsp. <i>moharia</i> (Alef.) R. A. W. Herrm.	Cereals	Foxtail millet
<i>Setaria italica</i> subsp. <i>pycnocomma</i> (Steud.) De Wet	Cereals	Foxtail millet
<i>Sinapidendron angustifolium</i> (DC.) Lowe	Vegetables (green)	Brassicas
<i>Sinapidendron frutescens</i> (Sol.) Lowe var. <i>frutescens</i>	Vegetables (green)	Brassicas
<i>Sinapidendron frutescens</i> Lowe	Vegetables (green)	Brassicas
<i>Sinapidendron frutescens</i> subsp. <i>succulentum</i> (Lowe) Rustan	Vegetables (green)	Brassicas
<i>Sinapidendron gymnocalyx</i> (Lowe) Rustan	Vegetables (green)	Brassicas
<i>Sinapidendron rupestre</i> Lowe	Vegetables (green)	Brassicas
<i>Sinapidendron sempervivifolium</i> Menezes	Vegetables (green)	Brassicas
<i>Sinapis alba</i> L.	Oils/fodder	Rape
<i>Sinapis alba</i> L.	Spices	Black mustard
<i>Sinapis alba</i> L.	Spices/oils/vegetables (green)	Mustard
<i>Sinapis alba</i> L.	Vegetables (green)	Ethiopian cabbage
<i>Sinapis alba</i> L.	Vegetables (green)	Kale
<i>Sinapis alba</i> L.	Vegetables (root)/fodder	Turnip
<i>Sinapis alba</i> L.	Vegetables (salad)	Radish
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Oils/fodder	Rape
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Spices	Black mustard
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Spices	White mustard
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Spices/oils/vegetables (green)	Mustard
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Vegetables (green)	Ethiopian cabbage
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Vegetables (green)	Kale
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Vegetables (root)/fodder	Turnip
<i>Sinapis alba</i> L. subsp. <i>alba</i>	Vegetables (salad)	Radish
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Oils/fodder	Rape

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Spices	Black mustard
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Spices	White mustard
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Spices/oils/vegetables (green)	Mustard
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Vegetables (green)	Ethiopian cabbage
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Vegetables (green)	Kale
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Vegetables (root)/fodder	Turnip
<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	Vegetables (salad)	Radish
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Oils/fodder	Rape
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Spices	Black mustard
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Spices	White mustard
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Spices/oils/vegetables (green)	Mustard
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Vegetables (green)	Ethiopian cabbage
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Vegetables (green)	Kale
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Vegetables (root)/fodder	Turnip
<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	Vegetables (salad)	Radish
<i>Sinapis arvensis</i> L.	Oils/fodder	Rape
<i>Sinapis arvensis</i> L.	Spices	Black mustard
<i>Sinapis arvensis</i> L.	Spices/oils/vegetables (green)	Mustard
<i>Sinapis arvensis</i> L.	Vegetables (green)	Ethiopian cabbage
<i>Sinapis arvensis</i> L.	Vegetables (green)	Kale
<i>Sinapis arvensis</i> L.	Vegetables (root)/fodder	Turnip
<i>Sinapis arvensis</i> L.	Vegetables (salad)	Radish
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Oils/fodder	Rape
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Spices	Black mustard
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Spices/oils/vegetables (green)	Mustard
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Vegetables (green)	Ethiopian cabbage
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Vegetables (green)	Kale
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Vegetables (root)/fodder	Turnip

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	Vegetables (salad)	Radish
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Oils/fodder	Rape
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Spices	Black mustard
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Spices/oils/vegetables (green)	Mustard
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Vegetables (green)	Ethiopian cabbage
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Vegetables (green)	Kale
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Vegetables (root)/fodder	Turnip
<i>Sinapis arvensis</i> var. <i>orientalis</i> (L.) W. D. J. Koch & Ziz	Vegetables (salad)	Radish
<i>Sinapis flexuosa</i> Poir.	Spices	White mustard
<i>Solanum lidii</i> Sunding	Fruits (savoury)	Eggplant
<i>Solanum linnaeanum</i> Hepper & P.-M. L. Jaeger	Fruits (savoury)	Eggplant
<i>Solanum marginatum</i> L. f.	Fruits (savoury)	Eggplant
<i>Solanum sisymbriifolium</i> Lam.	Fruits (savoury)	Eggplant
<i>Solanum torvum</i> Sw.	Fruits (savoury)	Eggplant
<i>Sorghum bicolor</i> (L.) Moench	Cereals	Sorghum
<i>Sorghum halepense</i> (L.) Pers.	Cereals	Sorghum
<i>Trifolium alexandrinum</i> L.	Fodder/forage	Berseem/Egyptian clover
<i>Trifolium alpestre</i> L.	Fodder/forage	Owlhead clover
<i>Trifolium alpestre</i> L. var. <i>alpestre</i>	Fodder/forage	Owlhead clover
<i>Trifolium alpestre</i> var. <i>durmitoreum</i> Rohlena	Fodder/forage	Owlhead clover
<i>Trifolium ambiguum</i> M. Bieb.	Fodder/forage	Caucasian clover
<i>Trifolium angustifolium</i> L.	Fodder/forage	Narrow clover
<i>Trifolium argutum</i> Banks & Sol.	Fodder/forage	Clover (berseem, red, subterranean, white)
<i>Trifolium arvense</i> L.	Fodder/forage	Harefoot clover
<i>Trifolium fragiferum</i> L.	Fodder/forage	Strawberry clover
<i>Trifolium fragiferum</i> L. subsp. <i>fragiferum</i>	Fodder/forage	Strawberry clover
<i>Trifolium fragiferum</i> subsp. <i>bonannii</i> (C. Presl) Soják	Fodder/forage	Strawberry clover

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Trifolium hirtum</i> All.	Fodder/forage	Rose clover
<i>Trifolium hybridum</i> L.	Fodder/forage	Alsike clover
<i>Trifolium hybridum</i> L. subsp. <i>hybridum</i>	Fodder/forage	Alsike clover
<i>Trifolium hybridum</i> subsp. <i>anatolicum</i> (Boiss.) M. Hossain	Fodder/forage	Alsike clover
<i>Trifolium hybridum</i> subsp. <i>elegans</i> (Savi) Asch. & Graebn.	Fodder/forage	Alsike clover
<i>Trifolium incarnatum</i> L.	Fodder/forage	Crimson clover
<i>Trifolium incarnatum</i> L. subsp. <i>incarnatum</i>	Fodder/forage	Crimson clover
<i>Trifolium incarnatum</i> subsp. <i>molinerii</i> (Hornem.) Syme	Fodder/forage	Crimson clover
<i>Trifolium isthmocarpum</i> Brot.	Fodder/forage	Moroccan clover
<i>Trifolium isthmocarpum</i> Brot. subsp. <i>isthmocarpum</i>	Fodder/forage	Moroccan clover
<i>Trifolium isthmocarpum</i> subsp. <i>jaminianum</i> (Boiss.) Murb.	Fodder/forage	Moroccan clover
<i>Trifolium michelianum</i> Savi	Fodder/forage	Balansa clover
<i>Trifolium michelianum</i> Savi var. <i>michelianum</i>	Fodder/forage	Balansa clover
<i>Trifolium michelianum</i> var. <i>balansae</i> (Boiss.) Azn.	Fodder/forage	Balansa clover
<i>Trifolium pratense</i> L.	Fodder/forage	Red clover
<i>Trifolium pratense</i> L. var. <i>pratense</i>	Fodder/forage	Red clover
<i>Trifolium pratense</i> var. <i>americanum</i> Harz	Fodder/forage	Red clover
<i>Trifolium pratense</i> var. <i>frigidum</i> Gaudin	Fodder/forage	Red clover
<i>Trifolium pratense</i> var. <i>maritimum</i> Zabel	Fodder/forage	Red clover
<i>Trifolium pratense</i> var. <i>sativum</i> Schreb.	Fodder/forage	Red clover
<i>Trifolium repens</i> L.	Fodder/forage	White clover
<i>Trifolium repens</i> L. var. <i>repens</i>	Fodder/forage	White clover
<i>Trifolium repens</i> subsp. <i>prostratum</i> Nyman	Fodder/forage	White clover
<i>Trifolium repens</i> var. <i>biasolettii</i> (Steud. & Hochst.) Asch. & Graebn.	Fodder/forage	White clover
<i>Trifolium repens</i> var. <i>macrorrhizum</i> Boiss.	Fodder/forage	White clover
<i>Trifolium repens</i> var. <i>nevadense</i> (Boiss.) C. Vicioso	Fodder/forage	White clover
<i>Trifolium repens</i> var. <i>ochranthum</i> K. Malý	Fodder/forage	White clover
<i>Trifolium repens</i> var. <i>orbelicum</i> (Velen.) R. M. Fritsch	Fodder/forage	White clover

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Trifolium repens</i> var. <i>orphanideum</i> (Boiss.) Boiss.	Fodder/forage	White clover
<i>Trifolium resupinatum</i> L.	Fodder/forage	Persian clover
<i>Trifolium resupinatum</i> L. var. <i>resupinatum</i>	Fodder/forage	Persian clover
<i>Trifolium resupinatum</i> var. <i>majus</i> Boiss.	Fodder/forage	Persian clover
<i>Trifolium squarrosum</i> L.	Fodder/forage	Squarrose clover
<i>Trifolium subterraneum</i> L.	Fodder/forage	Subterranean clover
<i>Trifolium subterraneum</i> subsp. <i>oxaloides</i> Nyman	Fodder/forage	Subterranean clover
<i>Trifolium subterraneum</i> subsp. <i>yannanicum</i> Katzn. & F. H. W. Morley	Fodder/forage	Subterranean clover
<i>Trifolium vesiculosum</i> Savi	Fodder/forage	Arrowleaf clover
<i>Trigonella foenum-graecum</i> L.	Fodder/forage	Fenugreek
<i>Trisetum flavescens</i> (L.) P. Beauv.	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> (L.) P. Beauv. subsp. <i>flavescens</i>	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> subsp. <i>baregense</i> (Laffitte & Miégev.) O. Bolòs & al.	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> subsp. <i>corsicum</i> (Rouy) Cif. & Giacom.	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> subsp. <i>purpurascens</i> (DC.) Arcang.	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> subsp. <i>serbicum</i> (Velen.) Hayek	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> subsp. <i>splendens</i> (C. Presl) Arcang.	Fodder/forage	Golden oatgrass
<i>Trisetum flavescens</i> subsp. <i>tenuë</i> (Formánek) Strid	Fodder/forage	Golden oatgrass
<i>Triticum monococcum</i> L.	Cereals	Wheat
<i>Triticum monococcum</i> L. subsp. <i>monococcum</i>	Cereals	Einkorn wheat
<i>Triticum monococcum</i> subsp. <i>aegilopoides</i> (Link) Thell.	Cereals	Wheat
<i>Triticum monococcum</i> subsp. <i>sinskajae</i> (A. A. Filatenko & U. K. Kurkiev) Valdés & H. Scholz	Cereals	Wheat
<i>Triticum timopheevii</i> (Zhuk.) Zhuk.	Cereals	Wheat
<i>Triticum timopheevii</i> (Zhuk.) Zhuk. subsp. <i>timopheevii</i>	Cereals	Timopheev's wheat
<i>Triticum timopheevii</i> subsp. <i>armeniacum</i> (Jakubz.) Mackey	Cereals	Wheat
<i>Triticum turgidum</i> L.	Cereals	Wheat
<i>Triticum turgidum</i> L. subsp. <i>turgidum</i>	Cereals	Poulard wheat
<i>Triticum turgidum</i> subsp. <i>asiaticum</i> (Vavilov) H. Scholz	Cereals	Wheat

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Triticum turgidum</i> subsp. <i>carthlicum</i> (Nevski) Á. Löve & D. Löve	Cereals	Persian wheat
<i>Triticum turgidum</i> subsp. <i>dicoccoides</i> (Asch. & Graebn.) Thell.	Cereals	Wheat
<i>Triticum turgidum</i> subsp. <i>dicoccon</i> (Schrank) Thell.	Cereals	Emmer wheat
<i>Triticum turgidum</i> subsp. <i>durum</i> (Desf.) Husn.	Cereals	Durum wheat
<i>Triticum turgidum</i> subsp. <i>polonicum</i> (L.) Thell.	Cereals	Polish wheat
<i>Triticum turgidum</i> subsp. <i>subspontaneum</i> (Tzvelev) Valdés & H. Scholz	Cereals	Wheat
<i>Triticum turgidum</i> subsp. <i>volgense</i> (Flaksb.) Á Löve & D. Löve	Cereals	Wheat
<i>Vaccinium corymbosum</i> L.	Fruits	Blueberry, highbush
<i>Vaccinium corymbosum</i> L.	Fruits	Blueberry, lowbush
<i>Vaccinium corymbosum</i> L.	Fruits	Blueberry, rabbiteye
<i>Vaccinium macrocarpon</i> Aiton	Fruits	Cranberry
<i>Vaccinium oxycoccos</i> L.	Fruits	Cranberry
<i>Vicia anatolica</i> Turrill	Fodder/forage	Hungarian vetch
<i>Vicia articulata</i> Hornem.	Fodder/forage	Bitter vetch
<i>Vicia articulata</i> Hornem.	Fodder/forage	One-flowered vetch
<i>Vicia barbazitae</i> Ten. & Guss.	Fodder/forage	Common vetch
<i>Vicia benghalensis</i> L.	Fodder/forage	Purple vetch
<i>Vicia bithynica</i> (L.) L.	Pulses	Faba bean
<i>Vicia capreolata</i> Lowe	Fodder/forage	Bitter vetch
<i>Vicia capreolata</i> Lowe	Fodder/forage	Common vetch
<i>Vicia capreolata</i> Lowe	Fodder/forage	Hungarian vetch
<i>Vicia capreolata</i> Lowe	Fodder/forage	One-flowered vetch
<i>Vicia capreolata</i> Lowe	Pulses	Faba bean
<i>Vicia capreolata</i> Lowe	Pulses	Narbon bean
<i>Vicia ciliatula</i> Lipsky	Fodder/forage	Hungarian vetch
<i>Vicia costae</i> A. Hansen	Fodder/forage	Bitter vetch
<i>Vicia costae</i> A. Hansen	Fodder/forage	Common vetch
<i>Vicia costae</i> A. Hansen	Fodder/forage	Hungarian vetch

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Vicia costae</i> A. Hansen	Fodder/forage	One-flowered vetch
<i>Vicia costae</i> A. Hansen	Pulses	Faba bean
<i>Vicia costae</i> A. Hansen	Pulses	Narbon bean
<i>Vicia cuspidata</i> Boiss.	Pulses	Faba bean
<i>Vicia eristalioides</i> Maxted	Pulses	Narbon bean
<i>Vicia ervilia</i> (L.) Willd.	Fodder/forage	Bitter vetch
<i>Vicia ervilia</i> (L.) Willd.	Fodder/forage	One-flowered vetch
<i>Vicia ferreirensis</i> Goyder	Fodder/forage	Bitter vetch
<i>Vicia ferreirensis</i> Goyder	Fodder/forage	Common vetch
<i>Vicia ferreirensis</i> Goyder	Fodder/forage	Hungarian vetch
<i>Vicia ferreirensis</i> Goyder	Fodder/forage	One-flowered vetch
<i>Vicia ferreirensis</i> Goyder	Pulses	Faba bean
<i>Vicia ferreirensis</i> Goyder	Pulses	Narbon bean
<i>Vicia grandiflora</i> Scop.	Fodder/forage	Common vetch
<i>Vicia grandiflora</i> Scop. var. <i>grandiflora</i>	Fodder/forage	Common vetch
<i>Vicia hirsuta</i> (L.) Gray	Fodder/forage	One-flowered vetch
<i>Vicia hybrida</i> L.	Fodder/forage	Hungarian vetch
<i>Vicia hyrcanica</i> Fisch. & C. A. Mey.	Fodder/forage	Hungarian vetch
<i>Vicia johannis</i> Tamamsch.	Pulses	Faba bean
<i>Vicia johannis</i> Tamamsch.	Pulses	Narbon bean
<i>Vicia johannis</i> Tamamsch. var. <i>johannis</i>	Pulses	Faba bean
<i>Vicia johannis</i> Tamamsch. var. <i>johannis</i>	Pulses	Narbon bean
<i>Vicia johannis</i> var. <i>procumbens</i> H. I. Schafer	Pulses	Faba bean
<i>Vicia johannis</i> var. <i>procumbens</i> H. I. Schafer	Pulses	Narbon bean
<i>Vicia lathyroides</i> L.	Pulses	Faba bean
<i>Vicia lutea</i> L.	Fodder/forage	Hungarian vetch
<i>Vicia lutea</i> L. subsp. <i>lutea</i>	Fodder/forage	Hungarian vetch
<i>Vicia lutea</i> subsp. <i>vestita</i> (Boiss.) Rouy	Fodder/forage	Hungarian vetch

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Vicia melanops</i> Sibth. & Sm.	Fodder/forage	Hungarian vetch
<i>Vicia melanops</i> Sibth. & Sm. var. <i>melanops</i>	Fodder/forage	Hungarian vetch
<i>Vicia mollis</i> Boiss. & Hausskn.	Fodder/forage	Hungarian vetch
<i>Vicia narbonensis</i> L.	Pulses	Faba bean
<i>Vicia narbonensis</i> L.	Pulses	Narbon bean
<i>Vicia narbonensis</i> L. var. <i>narbonensis</i>	Pulses	Narbon bean
<i>Vicia narbonensis</i> var. <i>affinis</i> Asch. & Schweinf.	Pulses	Narbon bean
<i>Vicia narbonensis</i> var. <i>salmonia</i> (Mouterde) H. I. Schafer	Pulses	Narbon bean
<i>Vicia pannonica</i> Crantz	Fodder/forage	Hungarian vetch
<i>Vicia pannonica</i> Crantz subsp. <i>pannonica</i>	Fodder/forage	Hungarian vetch
<i>Vicia pannonica</i> subsp. <i>striata</i> (M. Bieb.) Nyman	Fodder/forage	Hungarian vetch
<i>Vicia pectinata</i> Lowe	Fodder/forage	Common vetch
<i>Vicia pyrenaica</i> Pourr.	Fodder/forage	Common vetch
<i>Vicia sativa</i> L.	Fodder/forage	Common vetch
<i>Vicia sativa</i> L. subsp. <i>sativa</i>	Fodder/forage	Common vetch
<i>Vicia sativa</i> subsp. <i>amphicarpa</i> (Dorthes) Asch.	Fodder/forage	Common vetch
<i>Vicia sativa</i> subsp. <i>cordata</i> (Hoppe) Batt.	Fodder/forage	Common vetch
<i>Vicia sativa</i> subsp. <i>devia</i> J. G. Costa	Fodder/forage	Common vetch
<i>Vicia sativa</i> subsp. <i>incisa</i> (M. Bieb.) Arcang.	Fodder/forage	Common vetch
<i>Vicia sativa</i> subsp. <i>macrocarpa</i> (Moris) Arcang.	Fodder/forage	Common vetch
<i>Vicia sativa</i> subsp. <i>nigra</i> (L.) Ehrh.	Fodder/forage	Common vetch
<i>Vicia sativa</i> var. <i>platysperma</i> Barulina	Fodder/forage	Common vetch
<i>Vicia serratifolia</i> Jacq.	Pulses	Faba bean
<i>Vicia serratifolia</i> Jacq.	Pulses	Narbon bean
<i>Vicia villosa</i> Roth	Fodder/forage	Hairy vetch
<i>Vicia villosa</i> Roth subsp. <i>villosa</i>	Fodder/forage	Hairy vetch
<i>Vicia villosa</i> subsp. <i>ambigua</i> (Guss.) Kerguelen	Fodder/forage	Hairy vetch
<i>Vicia villosa</i> subsp. <i>eriocarpa</i> (Hausskn.) P. W. Ball	Fodder/forage	Hairy vetch

European priority CWR taxa, showing the main crop use categories and related crops

Crop wild relative	Related crop use category	Related crop common name
<i>Vicia villosa</i> subsp. <i>microphylla</i> (d'Urv.) P. W. Ball	Fodder/forage	Hairy vetch
<i>Vicia villosa</i> subsp. <i>varia</i> (Host) Corb.	Fodder/forage	Hairy vetch
<i>Vitis acerifolia</i> Raf.	Beverages	Wine grape
<i>Vitis amurensis</i> Rupr.	Beverages	Amur grape
<i>Vitis amurensis</i> Rupr.	Beverages	Wine grape
<i>Vitis labrusca</i> L.	Beverages	Wine grape
<i>Vitis riparia</i> Michx.	Beverages	Wine grape
<i>Vitis rupestris</i> Scheele	Beverages	Wine grape
<i>Vitis vinifera</i> L.	Beverages	Muscadine grape
<i>Vitis vinifera</i> L.	Beverages	Wine grape
<i>Vitis vulpina</i> L.	Beverages	Wine grape

Appendix B: CWR populations and Natura 2000

List of European priority crop wild relative taxa with high quality distribution data in the European Union and United Kingdom. Number of populations recorded for each taxon, number of Natura 2000 sites in which the species is present and number of populations occurring within protected areas of the Natura 2000 network. *characteristic species of Habitats Directive Annex I protected habitats. φSpecies included in Annex II and Annex IV of the Habitats Directive; φ¹ priority species in Annex II of the Habitats Directive

	Priority CWR taxa	No. Pops	No. Pops N2000	No. N2000 sites
1	<i>Aegilops bicornis</i> (Forssk.) Jaub. & Spach	5	2	2
2	<i>Aegilops biuncialis</i> Vis.	484	147	93
3	<i>Aegilops caudata</i> L.	133	40	25
4	<i>Aegilops columnaris</i> Zhuk.	2	1	1
5	<i>Aegilops comosa</i> Sm.	193	41	22
6	<i>Aegilops comosa</i> Sm. subsp. <i>Comosa</i>	11	4	3
7	<i>Aegilops comosa</i> subsp. <i>heldreichii</i> (Boiss.) Eig	24	10	8
8	<i>Aegilops crassa</i> Boiss.	1	0	0
9	<i>Aegilops cylindrica</i> Host	274	63	47
10	<i>Aegilops geniculata</i> Roth	3980	1787	339
11	<i>Aegilops juvenalis</i> (Thell.) Eig	1	0	0
12	<i>Aegilops kotschy</i> Boiss.	1	1	1
13	<i>Aegilops neglecta</i> Bertol.	1569	442	209
14	<i>Aegilops peregrina</i> (Hack.) Maire & Weiller	28	9	7
15	<i>Aegilops speltoides</i> subsp. <i>ligustica</i> (Savign.) Zhuk.	1	1	1
16	<i>Aegilops speltoides</i> Tausch	3	0	0
17	<i>Aegilops triuncialis</i> L.	2048	698	259
18	<i>Aegilops triuncialis</i> L. subsp. <i>triuncialis</i>	2	2	2
19	<i>Aegilops triuncialis</i> subsp. <i>persica</i> (Boiss.) Zhuk.	8	4	4
20	<i>Aegilops umbellulata</i> Zhuk.	10	3	3
21	<i>Aegilops uniaristata</i> Vis.	11	6	4
22	<i>Aegilops vavilovii</i> (Zhuk.) Chennav.	1	0	
23	<i>Aegilops ventricosa</i> Tausch	201	91	51
24	<i>Agropyron cristatum</i> (L.) Gaertn.	140	39	31
25	<i>Agropyron cristatum</i> (L.) Gaertn. subsp. <i>cristatum</i>	6	3	3
26	<i>Agropyron desertorum</i> (Link) Schult.	5	0	0
27	<i>Agrostis capillaris</i> L. *	94929	12174	2692
28	<i>Agrostis gigantea</i> Roth *	19645	2242	880
29	<i>Agrostis gigantea</i> Roth subsp. <i>gigantea</i>	220	33	30
30	<i>Agrostis stolonifera</i> L. *	79835	11853	2357
31	<i>Agrostis stolonifera</i> L. subsp. <i>stolonifera</i>	114	51	26
32	<i>Allium ampeloprasum</i> L.	1668	412	232
33	<i>Allium atrovioleaceum</i> Boiss.	105	11	8

34	<i>Allium bourgeaui</i> Rech. f.	8	3	3
35	<i>Allium bourgeaui</i> Rech. f. subsp. <i>bourgeaui</i>	7	3	2
36	<i>Allium bourgeaui</i> subsp. <i>creticum</i> Bothmer	12	5	5
37	<i>Allium bourgeaui</i> subsp. <i>cycladicum</i> Bothmer	37	13	7
38	<i>Allium commutatum</i> Guss.	38	16	12
39	<i>Allium corsicum</i> Jauzein & al.	2	0	
40	<i>Allium fistulosum</i> L.	55	5	4
41	<i>Allium melananthum</i> Coincy	33	15	7
42	<i>Allium pyrenaicum</i> Costa & Vayr.	10	7	4
43	<i>Allium sativum</i> L.	508	83	67
44	<i>Allium schmitzii</i> Cout.	13	10	7
45	<i>Allium schoenoprasum</i> L. *	4072	865	387
46	<i>Allium schoenoprasum</i> L. subsp. <i>schoenoprasum</i>	137	31	24
47	<i>Allium tuberosum</i> Rottler ex Spreng. *	20	5	5
48	<i>Alopecurus pratensis</i> L. *	54661	5177	1624
49	<i>Alopecurus pratensis</i> L. subsp. <i>pratensis</i>	3167	353	192
50	<i>Alopecurus pratensis</i> subsp. <i>alpestris</i> (Wahlenb.) Selander	26	7	5
51	<i>Alopecurus pratensis</i> subsp. <i>laguriformis</i> (Schur) Tzvelev	1	1	1
52	<i>Alopecurus pratensis</i> subsp. <i>pseudonigricans</i> O. Schwarz	2	1	1
53	<i>Armoracia rusticana</i> P. Gaertn. , B. Mey. & Scherb.	8640	438	318
54	<i>Arrhenatherum elatius</i> (L.) J. Presl & C. Presl *	61007	7171	1922
55	<i>Arrhenatherum elatius</i> (L.) J. Presl & C. Presl subsp. <i>elatius</i>	9251	1164	470
56	<i>Arrhenatherum elatius</i> subsp. <i>bulbosum</i> (Willd.) Schübl. & G. Martens	1628	289	137
57	<i>Arrhenatherum elatius</i> subsp. <i>sardoum</i> (Em. Schmid) Gamisans	285	199	67
58	<i>Asparagus acutifolius</i> L.	7260	2985	373
59	<i>Asparagus albus</i> L. *	991	442	100
60	<i>Asparagus aphyllus</i> L.	519	178	53
61	<i>Asparagus aphyllus</i> subsp. <i>orientalis</i> (Baker) P. H. Davis	6	2	2
62	<i>Asparagus arborescens</i> Willd. ex Schult. & Schult. f.	1	0	0
63	<i>Asparagus densiflorus</i> (Kunth) Jessop	22	1	1
64	<i>Asparagus fallax</i> Svent. *	5	4	3
65	<i>Asparagus horridus</i> L.	712	259	59
66	<i>Asparagus maritimus</i> (L.) Mill.	15	8	4
67	<i>Asparagus nesiotetes</i> subsp. <i>purpureiensis</i> Marrero Rodr. & A. Ramos	2	0	
68	<i>Asparagus officinalis</i> L. *	7501	1256	542
69	<i>Asparagus officinalis</i> subsp. <i>prostratus</i> (Dumort.) Corb.	108	79	22
70	<i>Asparagus pastorianus</i> Webb & Berthel.	3	2	1
71	<i>Asparagus plocamoides</i> Webb ex Svent.	4	2	2
72	<i>Asparagus tenuifolius</i> Lam.	212	55	42
73	<i>Asparagus verticillatus</i> L. *	4	4	4
74	<i>Astragalus arenarius</i> L. *	28	12	9
75	<i>Astragalus cicer</i> L.	2829	773	297

76	<i>Astragalus pelecinus</i> (L.) Barneby	48	13	10
77	<i>Astragalus pelecinus</i> (L.) Barneby subsp. <i>pelecinus</i>	1209	532	110
78	<i>Atriplex halimus</i> L. *	814	162	90
79	<i>Avena barbata</i> Link	5764	1864	414
80	<i>Avena barbata</i> Link subsp. <i>barbata</i>	586	184	88
81	<i>Avena barbata</i> subsp. <i>hirtula</i> (Lag.) Tab. Morais	3	1	1
82	<i>Avena byzantina</i> K. Koch	79	15	12
83	<i>Avena clauda</i> Durieu	6	0	
84	<i>Avena eriantha</i> Durieu	9	1	1
85	<i>Avena fatua</i> L.	11547	846	399
86	<i>Avena longiglumis</i> Durieu	16	8	4
87	<i>Avena murphyi</i> Ladiz.	13	2	1
88	<i>Avena sterilis</i> L.	1451	444	140
89	<i>Avena sterilis</i> L. subsp. <i>sterilis</i>	377	101	52
90	<i>Avena sterilis</i> subsp. <i>ludoviciana</i> (Durieu) Gillet & Magne	523	118	62
91	<i>Avena strigosa</i> Schreb.	254	27	22
92	<i>Barbarea verna</i> (Mill.) Asch.	1609	235	143
93	<i>Beta macrocarpa</i> Guss.	61	7	7
94	<i>Beta macrorhiza</i> Steven	1	0	0
95	<i>Beta nana</i> Boiss. & Heldr.	25	18	6
96	<i>Beta patula</i> Aiton ϕ	1	1	1
97	<i>Beta trigyna</i> Waldst. & Kit.	20	6	6
98	<i>Beta vulgaris</i> L. *	2516	366	257
99	<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>	853	67	61
100	<i>Beta vulgaris</i> subsp. <i>adanensis</i> Pamuk.	10	1	1
101	<i>Beta vulgaris</i> subsp. <i>maritima</i> (L.) Arcang.	1101	214	139
102	<i>Brassica barrelieri</i> (L.) Janka	789	373	52
103	<i>Brassica cretica</i> Lam.	25	7	5
104	<i>Brassica cretica</i> Lam. subsp. <i>cretica</i>	29	14	5
105	<i>Brassica cretica</i> subsp. <i>aegaea</i> (Heldr. & Halácsy) Snogerup, M. A. Gust. & Bothmer	41	22	15
106	<i>Brassica cretica</i> subsp. <i>laconica</i> M. A. Gust. & Snogerup	9	5	4
107	<i>Brassica elongata</i> Ehrh.	21	4	4
108	<i>Brassica elongata</i> subsp. <i>integrifolia</i> (Boiss.) Breistr.	8	0	0
109	<i>Brassica fruticulosa</i> Cirillo	49	13	12
110	<i>Brassica fruticulosa</i> Cirillo subsp. <i>fruticulosa</i>	174	46	14
111	<i>Brassica fruticulosa</i> subsp. <i>cossoniana</i> (Boiss. & Reut.) Maire	72	26	12
112	<i>Brassica incana</i> Ten.	18	10	7
113	<i>Brassica insularis</i> Moris ϕ	62	20	12
114	<i>Brassica macrocarpa</i> Guss. ϕ	3	3	2
115	<i>Brassica maurorum</i> Durieu	7	1	1
116	<i>Brassica montana</i> Pourr.	92	44	30
117	<i>Brassica napus</i> L.	12992	981	499

118	<i>Brassica nigra</i> (L.) W. D. J. Koch	4362	496	255
119	<i>Brassica oleracea</i> L. *	1691	238	153
120	<i>Brassica oleracea</i> L. subsp. <i>oleracea</i>	51	9	6
121	<i>Brassica oleracea</i> subsp. <i>botrytis</i> (L.) Duchesne	31	4	4
122	<i>Brassica oleracea</i> subsp. <i>capitata</i> (L.) Duchesne	118	17	16
123	<i>Brassica oleracea</i> subsp. <i>caulorapa</i> (DC.) Metzg.	5	2	2
124	<i>Brassica oleracea</i> subsp. <i>fruticosa</i> Metzg.	154	26	23
125	<i>Brassica oxyrrhina</i> (Coss.) Willk.	20	13	4
126	<i>Brassica rapa</i> (L.) L.	5049	315	196
127	<i>Brassica rapa</i> L. subsp. <i>rapa</i>	231	24	13
128	<i>Brassica rapa</i> subsp. <i>chinensis</i> (L.) Hanelt	1	0	0
129	<i>Brassica rapa</i> subsp. <i>oleifera</i> (DC.) Metzg.	3413	122	107
130	<i>Brassica rapa</i> subsp. <i>pekinensis</i> (Lour.) Hanelt	3	0	0
131	<i>Brassica rupestris</i> Raf.	14	8	5
132	<i>Brassica tournefortii</i> Gouan	80	30	23
133	<i>Brassica villosa</i> Biv.	15	6	4
134	<i>Brassica villosa</i> subsp. <i>drepanensis</i> (Caruel) Raimondo & P. Mazzola	2	1	1
135	<i>Carthamus creticus</i> L.	132	24	23
136	<i>Carthamus dentatus</i> (Forssk.) Vahl	10	1	1
137	<i>Carthamus dentatus</i> (Forssk.) Vahl subsp. <i>dentatus</i>	5	1	1
138	<i>Carthamus dentatus</i> subsp. <i>ruber</i> (Link) Hanelt	11	2	2
139	<i>Carthamus lanatus</i> L.	3911	1323	263
140	<i>Carthamus leucocaulos</i> Sm.	12	5	4
141	<i>Carthamus tenuis</i> subsp. <i>gracillimus</i> (Rech. f.) Hanelt	1	1	1
142	<i>Castanea crenata</i> Siebold & Zucc.	7	2	2
143	<i>Castanea sativa</i> Mill. *	18058	2891	784
144	<i>Chenopodium berlandieri</i> Moq.	51	2	2
145	<i>Chenopodium ficifolium</i> Sm.	5646	500	185
146	<i>Chenopodium hircinum</i> Schrad.	10	0	0
147	<i>Chenopodium quinoa</i> Willd.	77	1	1
148	<i>Cicer canariense</i> A. Santos & G. P. Lewis	2	2	2
149	<i>Cicer graecum</i> Boiss.	5	2	1
150	<i>Cicer pinnatifidum</i> Jaub. & Spach	1	0	
151	<i>Cichorium endivia</i> L.	106	27	19
152	<i>Cichorium intybus</i> L.	20306	3327	1223
153	<i>Cichorium pumilum</i> Jacq.	109	31	26
154	<i>Cichorium spinosum</i> L.	19	8	8
155	<i>Citrullus colocynthis</i> (L.) Schrad.	50	10	7
156	<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai	429	50	42
157	<i>Coincya monensis</i> (L.) Greuter & Burdet	170	51	35
158	<i>Coincya monensis</i> (L.) Greuter & Burdet subsp. <i>monensis</i>	33	6	4
159	<i>Coincya monensis</i> subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadley & Muñoz Garm φ	57	17	13

160	<i>Coincya monensis</i> subsp. <i>nevadensis</i> (Willk.) Leadlay	18	13	2
161	<i>Coincya monensis</i> subsp. <i>orophila</i> (Franco) Aedo, Leadlay & Muñoz Garm.	4	1	1
162	<i>Coincya monensis</i> subsp. <i>puberula</i> (Pau) Leadlay	16	8	8
163	<i>Comarum palustre</i> L.	46080	8004	1963
164	<i>Corylus avellana</i> L. *	66935	8445	2634
165	<i>Corylus colurna</i> L. *	159	31	27
166	<i>Corylus maxima</i> Mill.	122	13	12
167	<i>Crambe arborea</i> H. Christ ϕ	1	0	0
168	<i>Crambe filiformis</i> Jacq.	239	120	26
169	<i>Crambe fruticosa</i> L. f.	4	0	0
170	<i>Crambe hispanica</i> L.	100	38	26
171	<i>Crambe laevigata</i> DC. ex H. Christ ϕ	2	2	2
172	<i>Crambe scoparia</i> Svent.	2	2	1
173	<i>Crambe tamadabensis</i> A. Prina & A. Marrero	1	0	0
174	<i>Crambe wildpretii</i> Prina & Bramwell	1	1	1
175	<i>Cucumis dipsaceus</i> Spach	2	0	0
176	<i>Cucumis sativus</i> L.	562	96	73
177	<i>Cynara algarbiensis</i> Mariz	91	31	9
178	<i>Cynara baetica</i> (Spreng.) Pau	19	14	7
179	<i>Cynara baetica</i> (Spreng.) Pau subsp. <i>baetica</i>	14	9	4
180	<i>Cynara cardunculus</i> subsp. <i>flavescens</i> Wiklund	7	1	1
181	<i>Cynara humilis</i> L.	705	235	56
182	<i>Cynara tournefortii</i> Boiss. & Reut.	9	1	1
183	<i>Cynodon dactylon</i> (L.) Pers. *	7320	1725	457
184	<i>Dactylis glomerata</i> L. *	98457	11512	2981
185	<i>Dactylis glomerata</i> L. subsp. <i>glomerata</i>	12703	2099	666
186	<i>Dactylis glomerata</i> subsp. <i>hackelii</i> (Asch. & Graebn.) Cif. & Giacom.	13	3	3
187	<i>Dactylis glomerata</i> subsp. <i>hispanica</i> (Roth) Nyman	5796	2273	286
188	<i>Dactylis glomerata</i> subsp. <i>izcoi</i> S. Ortíz & Rodr. Oubiña	15	2	2
189	<i>Dactylis glomerata</i> subsp. <i>juncinella</i> (Bory) K. Richt.	25	23	3
190	<i>Dactylis glomerata</i> subsp. <i>lobata</i> (Drejer) H. Lindb. *	2254	491	203
191	<i>Dactylis glomerata</i> subsp. <i>lusitanica</i> Stebbins & D. Zohary	95	23	14
192	<i>Dactylis glomerata</i> subsp. <i>merinoana</i> (Horjales & al.) H. Scholz	10	2	2
193	<i>Dactylis glomerata</i> subsp. <i>oceanica</i> G. Guignard	1	1	1
194	<i>Dactylis glomerata</i> subsp. <i>rigida</i> (Boiss. & Heldr.) Hayek	1	1	1
195	<i>Dactylis glomerata</i> subsp. <i>slovenica</i> (Domin) Domin	3	2	1
196	<i>Daucus carota</i> L. *	36320	5867	1572
197	<i>Daucus carota</i> L. subsp. <i>carota</i>	10903	1726	713
198	<i>Daucus carota</i> subsp. <i>azoricus</i> Franco *	1131	149	20
199	<i>Daucus carota</i> subsp. <i>cantabricus</i> A. Pujadas	4	1	1
200	<i>Daucus carota</i> subsp. <i>commutatus</i> (Paol.) Thell.	24	12	10
201	<i>Daucus carota</i> subsp. <i>drepanensis</i> (Lojac.) Heywood	13	6	5

202	<i>Daucus carota</i> subsp. <i>gadecaei</i> (Rouy & E. G. Camus) Heywood	1	0	0
203	<i>Daucus carota</i> subsp. <i>gummifer</i> (Syme) Hook. f.	47	13	12
204	<i>Daucus carota</i> subsp. <i>halophilus</i> (Brot.) A. Pujadas	5	4	2
205	<i>Daucus carota</i> subsp. <i>hispanicus</i> (Gouan) Thell.	44	24	17
206	<i>Daucus carota</i> subsp. <i>major</i> (Vis.) Arcang.	10	2	2
207	<i>Daucus carota</i> subsp. <i>majoricus</i> A. Pujadas	2	1	1
208	<i>Daucus carota</i> subsp. <i>maximus</i> (Desf.) Ball	240	103	47
209	<i>Daucus carota</i> subsp. <i>sativus</i> (Hoffm.) Arcang.	208	15	15
210	<i>Diplotaxis eruroides</i> (L.) DC.	4603	1390	159
211	<i>Diplotaxis muralis</i> (L.) DC.	2471	398	208
212	<i>Diplotaxis siettiana</i> Maire ϕ	1	0	0
213	<i>Diplotaxis siifolia</i> Kunze	27	5	5
214	<i>Diplotaxis siifolia</i> Kunze subsp. <i>siifolia</i>	1	0	0
215	<i>Diplotaxis siifolia</i> subsp. <i>vicentina</i> (Samp.) Mart.-Laborde ϕ	4	4	2
216	<i>Diplotaxis tenuifolia</i> (L.) DC.	3894	580	280
217	<i>Echinochloa crus-galli</i> (L.) P. Beauv.	20042	2331	773
218	<i>Echinochloa crus-galli</i> (L.) P. Beauv. subsp. <i>crus-galli</i>	1083	165	57
219	<i>Eleusine coracana</i> (L.) Gaertn.	4	0	
220	<i>Eleusine tristachya</i> (Lam.) Lam.	376	85	15
221	<i>Elytrigia curvifolia</i> (Lange) Holub	1	0	
222	<i>Elytrigia elongata</i> (Host) Nevski *	48	15	10
223	<i>Elytrigia elongata</i> (Host) Nevski subsp. <i>elongata</i>	9	4	2
224	<i>Elytrigia intermedia</i> (Host) Nevski *	2	0	0
225	<i>Elytrigia juncea</i> (L.) Nevski	2	1	1
226	<i>Elytrigia obtusiflora</i> (DC.) Tzvelev	2	0	0
227	<i>Eragrostis pilosa</i> (L.) P. Beauv.	1570	215	145
228	<i>Eragrostis tef</i> (Zuccagni) Trotter	50	9	9
229	<i>Eruca vesicaria</i> (L.) Cav.	1424	317	158
230	<i>Erucastrum canariense</i> Webb & Berthel.	3	2	1
231	<i>Erucastrum gallicum</i> (Willd.) O. E. Schulz	898	201	75
232	<i>Festuca heterophylla</i> Lam. *	5196	837	363
233	<i>Festuca ovina</i> L. *	51797	8910	2060
234	<i>Festuca ovina</i> subsp. <i>guestfalica</i> (Rchb.) K. Richt.	158	31	22
235	<i>Festuca ovina</i> subsp. <i>hirtula</i> (Travis) M. J. Wilk.	121	17	12
236	<i>Festuca ovina</i> subsp. <i>ophiolicola</i> (Kerguelen) M. Wilk. *	37	5	5
237	<i>Festuca rubra</i> L. *	94899	12374	2655
238	<i>Festuca rubra</i> L. subsp. <i>rubra</i>	9636	1104	544
239	<i>Festuca rubra</i> subsp. <i>litoralis</i> (G. Mey.) Auquier	6	0	0
240	<i>Ficus carica</i> subsp. <i>rupestris</i> (Boiss.) Browicz	1	1	1
241	<i>Fragaria chiloensis</i> (L.) Weston	72	3	3
242	<i>Fragaria moschata</i> Weston	704	52	42
243	<i>Fragaria vesca</i> L. *	59917	7179	2539
244	<i>Fragaria virginiana</i> Mill.	534	9	9

245	<i>Fragaria viridis</i> subsp. <i>campestris</i> (Steven) Pawł.	1	0	0
246	<i>Fragaria viridis</i> Weston	431	158	115
247	<i>Fragaria viridis</i> Weston subsp. <i>viridis</i>	5187	1050	407
248	<i>Galega orientalis</i> Lam.	277	11	8
249	<i>Hedysarum coronarium</i> L.	224	70	38
250	<i>Helianthus annuus</i> L.	5445	417	308
251	<i>Helianthus debilis</i> Nutt.	16	1	1
252	<i>Helianthus decapetalus</i> L.	12	1	1
253	<i>Helianthus giganteus</i> L.	4	2	2
254	<i>Helianthus pauciflorus</i> Nutt.	269	15	14
255	<i>Helianthus petiolaris</i> Nutt.	51	0	0
256	<i>Helianthus strumosus</i> L.	6	0	0
257	<i>Hordeum bulbosum</i> L.	413	131	67
258	<i>Hordeum bulbosum</i> L. subsp. <i>bulbosum</i>	1	0	0
259	<i>Hordeum jubatum</i> L.	715	42	33
260	<i>Hordeum marinum</i> Huds. *	822	286	134
261	<i>Hordeum vulgare</i> L.	3047	264	193
262	<i>Hordeum vulgare</i> subsp. <i>distichon</i> (L.) Körn.	1165	99	82
263	<i>Hordeum vulgare</i> subsp. <i>spontaneum</i> (K. Koch) Thell.	5	0	0
264	<i>Humulus lupulus</i> L. *	29639	3582	1236
265	<i>Juglans cinerea</i> L.	24	2	2
266	<i>Juglans mandshurica</i> Maxim.	24	3	3
267	<i>Juglans nigra</i> L.	380	65	57
268	<i>Juglans regia</i> L. *	14954	2071	807
269	<i>Lactuca alpestris</i> (Gand.) Rech. f.	4	4	3
270	<i>Lactuca saligna</i> L.	840	185	127
271	<i>Lactuca serriola</i> L.	26845	3408	1080
272	<i>Lactuca singularis</i> Wilmott	9	7	4
273	<i>Lactuca virosa</i> L.	4386	597	325
274	<i>Lactuca virosa</i> subsp. <i>livida</i> (Boiss. & Reut.) Ladero & A. Velasco	2	0	
275	<i>Lactuca watsoniana</i> Trel. * φ	369	240	6
276	<i>Lathyrus amphicarpos</i> L.	39	20	10
277	<i>Lathyrus annuus</i> L.	689	149	85
278	<i>Lathyrus blepharicarpus</i> Boiss.	9	3	3
279	<i>Lathyrus cassius</i> Boiss.	2	1	1
280	<i>Lathyrus cicera</i> L.	23	7	7
281	<i>Lathyrus cirrhosus</i> Ser.	56	24	19
282	<i>Lathyrus clymenum</i> L.	1223	449	172
283	<i>Lathyrus gorgoni</i> Parl.	7	1	1
284	<i>Lathyrus grandiflorus</i> Sibth. & Sm.	142	29	18
285	<i>Lathyrus heterophyllus</i> L.	239	81	50
286	<i>Lathyrus hierosolymitanus</i> Boiss.	8	1	1
287	<i>Lathyrus hirsutus</i> L.	2324	356	237

288	<i>Lathyrus latifolius</i> L.	6944	1086	560
289	<i>Lathyrus latifolius</i> L. var. <i>latifolius</i>	616	36	28
290	<i>Lathyrus ochrus</i> (L.) DC.	359	86	63
291	<i>Lathyrus odoratus</i> L.	212	22	18
292	<i>Lathyrus rotundifolius</i> Willd.	4	0	0
293	<i>Lathyrus sativus</i> L.	392	71	59
294	<i>Lathyrus sylvestris</i> L.	7889	1063	613
295	<i>Lathyrus tingitanus</i> L.	464	86	38
296	<i>Lathyrus tuberosus</i> L.	6634	992	428
297	<i>Lens culinaris</i> subsp. <i>orientalis</i> (Boiss.) Ponert	1	1	1
298	<i>Lens ervoides</i> (Brign.) Grande	90	21	19
299	<i>Lens lamottei</i> Czefr.	28	11	6
300	<i>Lens nigricans</i> (M. Bieb.) Godr.	390	152	100
301	<i>Lepidium sativum</i> L.	528	38	33
302	<i>Leymus arenarius</i> (L.) Hochst. *	3873	603	259
303	<i>Leymus mollis</i> (Trin.) H. Hara	2	1	1
304	<i>Leymus racemosus</i> (Lam.) Tzvelev	3	1	1
305	<i>Linum bienne</i> Mill. *	2198	664	293
306	<i>Linum decumbens</i> Desf.	7	5	5
307	<i>Linum hirsutum</i> L.	29	10	10
308	<i>Linum hirsutum</i> L. subsp. <i>hirsutum</i>	10	6	5
309	<i>Linum nervosum</i> Waldst. & Kit.	17	9	8
310	<i>Lolium multiflorum</i> Lam.	19189	2011	798
311	<i>Lolium perenne</i> L.	78201	9496	2236
312	<i>Lolium rigidum</i> Gaudin	3345	1262	249
313	<i>Lolium rigidum</i> Gaudin subsp. <i>rigidum</i>	397	129	79
314	<i>Lolium temulentum</i> L.	397	80	69
315	<i>Lotus corniculatus</i> L. *	66864	10083	2857
316	<i>Lotus pedunculatus</i> Cav. *	42922	5972	1439
317	<i>Lotus subbiflorus</i> Lag. *	1186	218	57
318	<i>Lupinus albus</i> L.	480	108	54
319	<i>Lupinus albus</i> L. subsp. <i>albus</i>	18	8	6
320	<i>Lupinus albus</i> subsp. <i>graecus</i> (Boiss. & Spruner) Franco & P. Silva	19	5	2
321	<i>Lupinus angustifolius</i> L.	1515	350	174
322	<i>Lupinus angustifolius</i> L. subsp. <i>angustifolius</i>	82	18	15
323	<i>Lupinus angustifolius</i> subsp. <i>reticulatus</i> (Desv.) Arcang.	82	22	18
324	<i>Lupinus cosentinii</i> Guss.	20	4	4
325	<i>Lupinus hispanicus</i> Boiss. & Reut.	187	63	32
326	<i>Lupinus luteus</i> L.	751	137	81
327	<i>Lupinus micranthus</i> Guss.	128	42	27
328	<i>Lupinus pilosus</i> L.	27	6	6
329	<i>Malus crescimannoi</i> Raimondo	1	0	0
330	<i>Malus pumila</i> Mill.	17760	1676	890

331	<i>Malus sylvestris</i> (L.) Mill. *	17947	1943	1010
332	<i>Malus sylvestris</i> (L.) Mill. subsp. <i>sylvestris</i>	399	74	52
333	<i>Medicago arborea</i> L.	113	36	30
334	<i>Medicago constricta</i> Durieu	47	12	12
335	<i>Medicago doliata</i> Carmign.	365	121	55
336	<i>Medicago falcata</i> L. *	7155	1324	555
337	<i>Medicago glomerata</i> Balb.	29	10	7
338	<i>Medicago heyneana</i> Greuter	2	1	1
339	<i>Medicago hypogaea</i> E. Small	3	2	1
340	<i>Medicago littoralis</i> Loisel.	2338	669	184
341	<i>Medicago lupulina</i> L.	48993	6798	1925
342	<i>Medicago marina</i> L. *	286	113	88
343	<i>Medicago murex</i> Willd.	268	79	56
344	<i>Medicago pironae</i> Vis.	1	0	447
345	<i>Medicago polymorpha</i> L.	5434	1396	0
346	<i>Medicago prostrata</i> Jacq.	17	8	7
347	<i>Medicago rigidula</i> (L.) All.	1713	548	237
348	<i>Medicago rugosa</i> Desr.	137	38	27
349	<i>Medicago sativa</i> L.	17320	3098	918
350	<i>Medicago sativa</i> L. subsp. <i>sativa</i>	3047	394	210
351	<i>Medicago sativa</i> nothosubsp. <i>varia</i> (Martyn) Arcang.	3083	482	223
352	<i>Medicago scutellata</i> (L.) Mill.	162	19	17
353	<i>Medicago soleirolii</i> Duby	12	0	0
354	<i>Medicago strasseri</i> Greuter & al.	1	0	0
355	<i>Medicago tornata</i> subsp. <i>helix</i> (Willd.) Ooststr. & Reichg.	22	4	4
356	<i>Medicago truncatula</i> Gaertn.	1022	251	164
357	<i>Medicago turbinata</i> (L.) All.	85	19	19
358	<i>Melilotus albus</i> Medik.	20097	2659	1130
359	<i>Melilotus officinalis</i> (L.) Lam.	14476	2166	934
360	<i>Mentha suaveolens</i> Ehrh.	10512	2065	520
361	<i>Mentha suaveolens</i> Ehrh. subsp. <i>suaveolens</i>	470	87	55
362	<i>Moricandia arvensis</i> (L.) DC.	1318	273	63
363	<i>Myrtus communis</i> L. *	2938	1254	168
364	<i>Myrtus communis</i> L. subsp. <i>communis</i>	8	3	3
365	<i>Myrtus communis</i> subsp. <i>tarentina</i> (L.) Nyman	3	0	
366	<i>Ochlopoa annua</i> (L.) H. Scholz	83	13	11
367	<i>Olea europaea</i> L. subsp. <i>europaea</i> *	837	252	111
368	<i>Olea europaea</i> subsp. <i>cerasiformis</i> G. Kunkel & Sunding *	3	1	1
369	<i>Onobrychis viciifolia</i> Scop.	6800	1413	613
370	<i>Ornithopus compressus</i> L.	4055	1598	266
371	<i>Ornithopus sativus</i> Brot.	510	113	49
372	<i>Ornithopus sativus</i> subsp. <i>isthmocarpus</i> (Coss.) Dostál	42	12	7
373	<i>Papaver somniferum</i> L.	6489	509	321

374	<i>Patellifolia procumbens</i> (C. Sm.) A. J. Scott & al.	14	10	7
375	<i>Phalaris aquatica</i> L.	344	73	50
376	<i>Phalaris canariensis</i> L.	2222	201	146
377	<i>Phalaroides arundinacea</i> (L.) Rauschert *	66008	7577	1965
378	<i>Phalaroides arundinacea</i> (L.) Rauschert subsp. <i>arundinacea</i>	4412	468	221
379	<i>Phleum nodosum</i> L.	10	6	5
380	<i>Phleum pratense</i> L.	65221	6975	2160
381	<i>Phoenix canariensis</i> Chabaud *	105	38	27
382	<i>Phoenix dactylifera</i> L.	155	33	21
383	<i>Phoenix theophrasti</i> Greuter * φ	3	2	2
384	<i>Pistacia atlantica</i> Desf. *	19	7	7
385	<i>Pistacia lentiscus</i> L. *	10876	4978	343
386	<i>Pistacia terebinthus</i> L. *	3120	1739	275
387	<i>Pisum fulvum</i> Sm.	1	1	1
388	<i>Pisum sativum</i> L. subsp. <i>sativum</i>	68	9	7
389	<i>Pisum sativum</i> subsp. <i>elatius</i> (M. Bieb.) Asch. & Graebn.	106	58	43
390	<i>Plantago lanceolata</i> L. *	96078	14456	3057
391	<i>Poa alpina</i> L.	4314	1734	354
392	<i>Poa alpina</i> L. subsp. <i>alpina</i>	39	24	17
393	<i>Poa palustris</i> L.	15238	1581	765
394	<i>Poa pratensis</i> L. *	66106	9283	2237
395	<i>Poa pratensis</i> L. subsp. <i>pratensis</i>	11128	1403	613
396	<i>Poa pratensis</i> subsp. <i>irrigata</i> (Lindm.) H. Lindb.	1525	178	118
397	<i>Poa trivialis</i> L.	79334	10111	2119
398	<i>Poa trivialis</i> L. subsp. <i>trivialis</i>	3342	513	273
399	<i>Prunus armeniaca</i> L.	157	40	34
400	<i>Prunus avium</i> (L.) L.	45543	5595	1820
401	<i>Prunus brigantina</i> Vill.	73	22	12
402	<i>Prunus cerasifera</i> Ehrh.	5314	701	387
403	<i>Prunus dulcis</i> (Mill.) D. A. Webb	1686	451	160
404	<i>Prunus fruticosa</i> Pall. *	53	17	14
405	<i>Prunus lusitanica</i> L. *	618	38	28
406	<i>Prunus mahaleb</i> L. *	6237	1512	454
407	<i>Prunus padus</i> L. *	31353	3415	1416
408	<i>Prunus padus</i> L. subsp. <i>padus</i>	8516	647	399
409	<i>Prunus padus</i> subsp. <i>borealis</i> (A. Blytt) Nyman	120	45	29
410	<i>Prunus persica</i> (L.) Batsch	512	95	78
411	<i>Prunus prostrata</i> Labill. *	203	159	55
412	<i>Prunus ramburii</i> Boiss.	100	89	8
413	<i>Prunus spinosa</i> L. *	51212	7238	2095
414	<i>Prunus spinosa</i> L. subsp. <i>spinosa</i>	3400	621	159
415	<i>Prunus spinosa</i> subsp. <i>dasyphylla</i> (Schur) Domin	3	0	0
416	<i>Prunus tomentosa</i> Thunb.	1	0	

417	<i>Prunus webbii</i> (Spach) Vierh.	10	5	3
418	<i>Pyrus bourgaeana</i> Decne.	547	216	56
419	<i>Pyrus communis</i> L.	8349	1139	604
420	<i>Pyrus communis</i> L. subsp. <i>communis</i>	108	18	14
421	<i>Pyrus communis</i> subsp. <i>pyraster</i> (L.) Ehrh. *	5857	845	398
422	<i>Pyrus cordata</i> Desv.	782	108	68
423	<i>Pyrus elaeagrifolia</i> subsp. <i>bulgarica</i> (Kuth. & Sachok.) Valev	1	1	1
424	<i>Pyrus nivalis</i> Jacq.	23	6	6
425	<i>Pyrus salicifolia</i> Pall.	22	1	1
426	<i>Pyrus spinosa</i> Forssk.	657	174	99
427	<i>Raphanus raphanistrum</i> L.	16496	1718	709
428	<i>Raphanus raphanistrum</i> L. subsp. <i>raphanistrum</i>	4124	383	230
429	<i>Raphanus raphanistrum</i> subsp. <i>landra</i> (Moretti ex DC.) Bonnier & Layens	540	79	59
430	<i>Raphanus sativus</i> L.	1507	154	111
431	<i>Ribes aureum</i> Pursh	270	25	21
432	<i>Ribes divaricatum</i> Douglas	19	3	3
433	<i>Ribes multiflorum</i> Roem. & Schult. subsp. <i>multiflorum</i>	2	2	2
434	<i>Ribes multiflorum</i> subsp. <i>sandalioticum</i> Arrigoni	9	7	4
435	<i>Ribes nigrum</i> L.	17755	1331	700
436	<i>Ribes petraeum</i> Wulfen	462	179	98
437	<i>Ribes rubrum</i> L. *	22980	2533	899
438	<i>Ribes sanguineum</i> Pursh	2550	205	134
439	<i>Ribes spicatum</i> E. Robson *	5352	488	268
440	<i>Ribes spicatum</i> E. Robson subsp. <i>spicatum</i>	2610	107	93
441	<i>Ribes spicatum</i> subsp. <i>lapponicum</i> Hyl.	481	278	43
442	<i>Ribes uva-crispa</i> L.	27087	3012	1208
443	<i>Rorippa prolifera</i> (Heuff.) Neilr.	8	2	2
444	<i>Rorippa valdes-bermejoi</i> (Castrov.) Mart.-Laborde & Castrov.	4	1	1
445	<i>Rubus cockburnianus</i> Hemsl.	59	3	3
446	<i>Rubus idaeus</i> L. *	67078	7087	2466
447	<i>Rubus idaeus</i> L. subsp. <i>idaeus</i>	100	44	29
448	<i>Rubus odoratus</i> L.	1111	31	29
449	<i>Rubus phoenicolasius</i> Maxim.	205	31	22
450	<i>Rubus saxatilis</i> L. *	31720	3702	1363
451	<i>Rubus spectabilis</i> Pursh	858	92	73
452	<i>Saccharum spontaneum</i> L.	1	0	0
453	<i>Salsola vermiculata</i> L. *	355	57	33
454	<i>Schedonorus arundinaceus</i> (Schreb.) Dumort.	256	51	39
455	<i>Schedonorus arundinaceus</i> subsp. <i>fenas</i> (Lag.) H. Scholz	1	0	0
456	<i>Schedonorus giganteus</i> (L.) Holub	4935	697	389
457	<i>Schedonorus pratensis</i> (Huds.) P. Beauv.	234	73	64
458	<i>Schedonorus pratensis</i> subsp. <i>apenninus</i> (De Not.) H. Scholz & Valdés	7	2	2

459	<i>Secale cereale</i> L.	3415	375	218
460	<i>Secale cereale</i> L. subsp. <i>cereale</i>	9	5	5
461	<i>Secale strictum</i> (C. Presl) C. Presl	17	8	6
462	<i>Secale sylvestre</i> Host	26	7	6
463	<i>Securigera varia</i> (L.) Lassen	9981	1495	630
464	<i>Setaria italica</i> (L.) P. Beauv.	696	61	55
465	<i>Setaria italica</i> (L.) P. Beauv. subsp. <i>italica</i>	7	0	0
466	<i>Sinapidendron angustifolium</i> (DC.) Lowe	1	0	0
467	<i>Sinapidendron frutescens</i> Lowe	1	0	0
468	<i>Sinapis alba</i> L.	3148	322	227
469	<i>Sinapis alba</i> L. subsp. <i>alba</i>	151	22	20
470	<i>Sinapis alba</i> subsp. <i>dissecta</i> (Lag.) Simonk.	5	3	3
471	<i>Sinapis alba</i> subsp. <i>mairei</i> (H. Lindb.) Maire	319	45	36
472	<i>Sinapis arvensis</i> L.	24459	2341	901
473	<i>Sinapis arvensis</i> L. subsp. <i>arvensis</i>	24251	1786	873
474	<i>Sinapis flexuosa</i> Poir.	9	5	3
475	<i>Solanum lidii</i> Sunding ϕ	3	0	0
476	<i>Solanum linnaeanum</i> Hepper & P.-M. L. Jaeger	123	26	18
477	<i>Solanum marginatum</i> L. f.	16	1	1
478	<i>Sorghum bicolor</i> (L.) Moench	298	40	35
479	<i>Sorghum halepense</i> (L.) Pers.	2385	366	176
480	<i>Trifolium alexandrinum</i> L.	443	68	59
481	<i>Trifolium alpestre</i> L.	2105	569	283
482	<i>Trifolium alpestre</i> L. var. <i>alpestre</i>	28	8	6
483	<i>Trifolium angustifolium</i> L.	3784	1272	356
484	<i>Trifolium argutum</i> Banks & Sol.	25	11	6
485	<i>Trifolium arvense</i> L.	22156	4113	1437
486	<i>Trifolium fragiferum</i> L. *	8567	1799	582
487	<i>Trifolium fragiferum</i> L. subsp. <i>fragiferum</i>	139	37	31
488	<i>Trifolium fragiferum</i> subsp. <i>bonannii</i> (C. Presl) Soják	55	10	9
489	<i>Trifolium hirtum</i> All.	512	150	92
490	<i>Trifolium hybridum</i> L.	23684	2045	919
491	<i>Trifolium hybridum</i> L. subsp. <i>hybridum</i>	7876	507	296
492	<i>Trifolium hybridum</i> subsp. <i>anatolicum</i> (Boiss.) M. Hossain	3	1	1
493	<i>Trifolium hybridum</i> subsp. <i>elegans</i> (Savi) Asch. & Graebn.	996	118	65
494	<i>Trifolium incarnatum</i> L.	2336	385	271
495	<i>Trifolium incarnatum</i> L. subsp. <i>incarnatum</i>	148	28	23
496	<i>Trifolium incarnatum</i> subsp. <i>molinerii</i> (Hornem.) Syme	197	57	44
497	<i>Trifolium isthmocarpum</i> Brot.	40	24	7
498	<i>Trifolium isthmocarpum</i> Brot. subsp. <i>isthmocarpum</i>	6	5	3
499	<i>Trifolium isthmocarpum</i> subsp. <i>jaminianum</i> (Boiss.) Murb.	1	0	0
500	<i>Trifolium michelianum</i> Savi *	129	47	32
501	<i>Trifolium pratense</i> L.	93474	10778	3041

502	<i>Trifolium pratense</i> L. var. <i>pretense</i>	5487	984	495
503	<i>Trifolium pratense</i> var. <i>americanum</i> Harz	39	8	7
504	<i>Trifolium pratense</i> var. <i>frigidum</i> Gaudin	1	1	1
505	<i>Trifolium pratense</i> var. <i>maritimum</i> Zabel	117	47	32
506	<i>Trifolium pratense</i> var. <i>sativum</i> Schreb.	935	40	30
507	<i>Trifolium repens</i> L. *	111257	13558	3245
508	<i>Trifolium repens</i> L. var. <i>repens</i>	3055	542	230
509	<i>Trifolium repens</i> subsp. <i>prostratum</i> Nyman	62	17	15
510	<i>Trifolium repens</i> var. <i>nevadense</i> (Boiss.) C. Vicioso	39	36	10
511	<i>Trifolium repens</i> var. <i>orbelicum</i> (Velen.) R. M. Fritsch	1	1	1
512	<i>Trifolium resupinatum</i> L. *	2371	517	304
513	<i>Trifolium resupinatum</i> L. var. <i>resupinatum</i>	105	17	15
514	<i>Trifolium resupinatum</i> var. <i>majus</i> Boiss.	107	13	11
515	<i>Trifolium squarrosum</i> L.	99	33	17
516	<i>Trifolium subterraneum</i> L.	4136	1273	361
517	<i>Trifolium subterraneum</i> subsp. <i>oxaloides</i> Nyman	12	2	2
518	<i>Trifolium vesiculosum</i> Savi	63	21	19
519	<i>Trigonella foenum-graecum</i> L.	82	13	11
520	<i>Trisetum flavescens</i> (L.) P. Beauv. *	20653	2885	971
521	<i>Trisetum flavescens</i> (L.) P. Beauv. subsp. <i>flavescens</i> *	1549	248	119
522	<i>Trisetum flavescens</i> subsp. <i>splendens</i> (C. Presl) Arcang.	15	8	6
523	<i>Trisetum flavescens</i> subsp. <i>tenuë</i> (Formánek) Strid	14	11	9
524	<i>Triticum monococcum</i> L.	60	12	8
525	<i>Triticum monococcum</i> subsp. <i>aegilopoides</i> (Link) Thell.	61	15	4
526	<i>Triticum turgidum</i> L.	442	71	57
527	<i>Vaccinium corymbosum</i> L.	137	56	21
528	<i>Vaccinium oxycoccus</i> L. *	24121	3289	1367
529	<i>Vicia articulata</i> Hornem.	136	31	25
530	<i>Vicia barbazitae</i> Ten. & Guss.	36	17	15
531	<i>Vicia benghalensis</i> L.	752	145	94
532	<i>Vicia bithynica</i> (L.) L.	893	153	115
533	<i>Vicia cuspidata</i> Boiss.	43	22	12
534	<i>Vicia ervilia</i> (L.) Willd.	196	41	29
535	<i>Vicia ferreirensis</i> Goyder	2	0	0
536	<i>Vicia grandiflora</i> Scop.	583	114	81
537	<i>Vicia grandiflora</i> Scop. var. <i>grandiflora</i>	47	11	11
538	<i>Vicia hirsuta</i> (L.) Gray	32067	3661	1294
539	<i>Vicia hybrida</i> L.	1056	254	145
540	<i>Vicia johannis</i> Tamamsch.	103	28	21
541	<i>Vicia lathyroides</i> L.	4712	1324	513
542	<i>Vicia lutea</i> L.	2213	423	251
543	<i>Vicia lutea</i> L. subsp. <i>lutea</i>	489	139	88
544	<i>Vicia lutea</i> subsp. <i>vestita</i> (Boiss.) Rouy	163	59	43

545	<i>Vicia melanops</i> Sibth. & Sm.	165	48	25
546	<i>Vicia narbonensis</i> L.	315	75	55
547	<i>Vicia narbonensis</i> L. var. <i>narbonensis</i>	5	3	3
548	<i>Vicia pannonica</i> Crantz	708	156	96
549	<i>Vicia pannonica</i> Crantz subsp. <i>pannonica</i>	102	16	13
550	<i>Vicia pannonica</i> subsp. <i>striata</i> (M. Bieb.) Nyman	465	101	61
551	<i>Vicia pyrenaica</i> Pourr.	248	189	79
552	<i>Vicia sativa</i> L.	27108	3386	1189
553	<i>Vicia sativa</i> subsp. <i>amphicarpa</i> (Dorthes) Asch.	149	41	34
554	<i>Vicia sativa</i> subsp. <i>cordata</i> (Hoppe) Batt.	148	59	45
555	<i>Vicia sativa</i> subsp. <i>incisa</i> (M. Bieb.) Arcang.	10	5	4
556	<i>Vicia sativa</i> subsp. <i>macrocarpa</i> (Moris) Arcang.	50	17	14
557	<i>Vicia sativa</i> subsp. <i>nigra</i> (L.) Ehrh.	24357	4109	1246
558	<i>Vicia serratifolia</i> Jacq.	125	26	23
559	<i>Vicia villosa</i> Roth	3265	537	351
560	<i>Vicia villosa</i> Roth subsp. <i>villosa</i>	1316	181	127
561	<i>Vicia villosa</i> subsp. <i>eriocarpa</i> (Hauskn.) P. W. Ball	331	69	45
562	<i>Vicia villosa</i> subsp. <i>microphylla</i> (d'Urv.) P. W. Ball	185	49	30
563	<i>Vicia villosa</i> subsp. <i>varia</i> (Host) Corb.	1236	221	173
564	<i>Vitis labrusca</i> L.	78	10	6
565	<i>Vitis riparia</i> Michx.	39	8	4
566	<i>Vitis rupestris</i> Scheele	112	21	18
567	<i>Vitis vinifera</i> L. *	3296	672	347
568	<i>Vitis vulpina</i> L.	96	17	16