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CURRENT KNOWLEDGE ON THE WILD FOOD AND NON-FOOD PLANTS OF TURKEY

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ABSTRACT

The flora of Turkey contains over 10 000 vascular plant taxa, a considerable number of which are used by humans. Non-food uses of plants include medicinal, aromatic, ornamental, pesticidal etc. as well as raw materials for making household goods, toys, musical instruments. This paper contains information on the uses of wild plants in Turkey for food and non-food purposes based on current knowledge.

KEY-WORDS

TURKEY, WILD PLANTS, FLORA, INDIGENOUS KNOWLEDGE, USE

MOTS-CLES

TURQUIE, PLANTE SAUVAGE, FLORE, CONNAISSANCE INDIGENE, UTILISATION

INTRODUCTION

Turkey, lying between ca.42°N and 36°N latitudes, is the only country in the world having three different climates, namely, Mediterranean, continental and oceanic. The land area covers 780 600 sq.km., over half of which is under Mediterranean influence (Akman and Ketenoğlu 1986). The land mass of Turkey lies between the sea level and over 5500 m in altitude. Having land on two continents Turkey is a natural passageway between Europe and Asia.

All these factors must have contributed to the evolution of a rich and diverse flora and fauna in Turkey. The flora of Turkey is well documented in the 10-volume work of late Prof. P.H. Davis of the University of Edinburgh. According to this monumental work and several subsequent publications until the end of 1993, the flora of Turkey contains over 10 423 infrageneric taxa, of which 34.2% are endemic. If the alien and cultivated taxa are included, the number of taxa occurring in Turkey rises to 10 660. 163 families are represented in the flora. 15 out of the 1151 genera are endemic in Turkey. The rate of endemism among the 8709 species is 32%. The percentage endemism at the subspecies level rises to 99.4%. Among the varieties and hybrids, endemism rates are around 37 and 54%, respectively. These numbers represent the members of Pteridophytes, gymnosperms, dicotyledons and monocotyledons that have so far been discovered (Table 1) (Davis et al. 1988, Özhatay et al. 1994). The flora of Turkey thus contains over 3500 endemic taxa which is quite a high rate. The country in Europe that has the highest level of endemism is Greece, with around 800 endemic species.

In the flora of Turkey, percentage endemism is high in some families (Table 2). Some examples are: *Boraginaceae* (61%), *Campanulaceae* (60%), *Scrophulariaceae* (52%), *Rubiaceae* (48%), *Caryophyllaceae* (46%), *Labiatae* (45%), *Leguminosae* (40%), *Compositae* (37%). At generic level,

examples of the rate of endemism are: *Bolanthus* (ca. 90%), *Ebenus* (90%), *Alkanna* (81%), *Sideritis* (78%), *Acantholimon* (76%), *Paronychia* (75%), *Verbascum* and *Gypsophila* (71%), *Paracaryum* (70%), *Cousinia* (68%), *Centaurea* (65%), *Astragalus* (63%) (Ekim 1987).

USEFUL PLANTS

WILD FOOD PLANTS

Information on the wild food plants of Turkey is very scarce. Although traditionally wild plants are used in Turkey for food, a comprehensive list of such plants has not been available until recently.

Earliest information of plants used as vegetable in Anatolia can be found in the famous 'Materia Medica' of Dioscorides who was born and lived in Anatolia in the 1st century A.D. as a medical doctor in the Roman army.

In 1974, Evelyn Kalças compiled information and recipes on 90 wild food plants in a book titled 'Food From the Fields - Edible Wild Plants of Aegean Turkey (Kalças 1974).

Prof. Turhan Baytop reported on the wild food and non-food plants of Turkey based on actual information in his recent book titled 'A Dictionary of Vernacular Names of Wild Plants of Turkey' which is illustrated with 500 colour pictures of plants (Baytop 1994).

Seasonal vegetables and fruits derived from wild plants are sold in markets or by street vendors in cities and towns in Anatolia. In villages, peasants collect wild plants for their personal or home consumption, and any surplus finds its way to city markets. There is no well established distribution channel for wild food plants in Turkey. However, for ornamental plants or cut flowers, medicinal and aromatic plants distribution channels exist to some extent.

Wild mushrooms are among the most widely used wild food plants in Turkey. Although the fungal flora of Turkey has not been fully documented, a recent estimate puts the number of mushroom species at 5000 with at least ca.2000 being edible (Baytop 1994, Öder 1990).

Wild food plants are generally sold by ladies. Therefore, such markets are called 'Ladies Markets' in Anatolia. Wild food plants are consumed in the following manners:

- (1) Eaten raw. The majority of wild plants are eaten raw. They are mainly collected from young plants. Some examples include stalks of *Rheum ribes* (Rhubarb) or *Rumex alpinus* (Monk's Rhubarb), *Rumex acetosella* or *Rumex chalepensis* (Sorrel), peeled stems of several Compositae plants such as *Gundelia tournefortii*, *Scorzonera* and *Tragopogon* spp., *Geranium tuberosum* and *Crocus* tubers, wild fruits, *Portulaca oleracea* leaves, *Allium* spp., *Asparagus acutifolius*, etc.
- (2) Consumed after cooking. Such plants are either boiled in water or cooked with oil and eggs. Some examples are: *Portulaca oleracea*, *Trachystemon orientale*, *Borago officinalis*, *Atriplex nitens*, *Beta trigyna*, *Smilax excelsa* and *Smilax aspera*, several *Chenopodium* spp., *Sium sisarum* var. *lancifolium*, etc.
- (3) Dried before use. Tea, spice and condiment plants are generally used after drying. Some examples include: *Thymus*, *Origanum*, *Salvia*, *Sideritis*, *Satureja*, *Laurus*, *Coridothymus*, *Thymbra*, *Echinophora*, *Hippomarathum*.
- (4) Consumed after processing. Some plants require some processing before eaten, such as boiling to kill enzymes (e.g. in *Salep*) or to destroy poisonous chemicals (e.g. in *Lathyrus* seeds, *Arum* leaves), or pickled (e.g. flower buds of *Capparis spinosa* and *C. ovata*). Some aromatic and flavouring plants, such as *Allium* spp., *Ferula rigidula*, etc. are added to a

make a special type of cheese called 'Otlu Peynir' in the Van region. Some plants or plant latexes are added to goat's milk to make a special yogurt called 'Teleme'. Such plants include unripe fruits or the latex of figs (*Ficus carica*), *Iris unguicularis*, etc.. Fresh petals of *Rosa damascena* and fruit pulp (hips) of *Rosa canina* are used in jam-making. Seed coat (arils) of *Smilax aspera* and *S. excelsa* are mixed with mastic gum (from *Pistacia lentiscus* var. *chia*) to soften it.

A provisional list of wild food and non-food plants of Turkey is given in Annexe 6.

WILD MEDICINAL PLANTS

A large literature exists on the plants of Turkey used as medicine, since traditional medicine in Anatolia takes its roots from centuries old tradition dating back from the Hittites or even earlier. A number of reliable books provide information on medicinal plants in current use in Turkey. The most authoritative books were written by Prof. Turhan Baytop, a retired professor of Pharmacognosy at Istanbul University (Baytop 1963, 1984). Results of our field work concerning herbalists (Aktars) were published by the author jointly with a couple of Japanese researchers in a book printed in Japan (Başer et al. 1986)). Field research conducted by a Turkish-Japanese group concerning the use of medicinal plants in villages has so far produced two books and several research articles (Tabata et al. 1988; Sezik et al. 1991; Sezik et al. 1992; Tabata et al. 1994; Ye_ilada et al. 1993; Ye_ilada et al. 1995; Fujita et al. 1995. A list of plants used as medicine during the reign of the Hittite empire is annexed as reference (Baytop 1994) (Annexe1).

Information on poisonous plants of Turkey is also available (Baytop 1963; Baytop et al. 1986). A list of poisonous plants is annexed (Annexe 2).

AROMATIC PLANTS

Turkey is rich in aromatic plants. It is estimated that a third of the flora of Turkey consists of aromatic plants. Aromatic, here, is used meaning fragrant, flavouring or containing essential oil. An indicative list is given as Annexe 3. The Medicinal and Aromatic Plant and Drug Research Centre (TBAM) in Eski_ehir has been screening the aromatic flora of Turkey for new sources of essential oils for the last ten years. A vast volume of information has been published. Parts of the earlier work have been reviewed (Baser 1992, 1993, 1994).

ORNAMENTAL PLANTS

The main geophytes that are collected from the wild or cultivated *in situ* for export are given in the annexed list (Annex 4) (Ekim et al. 1991). The 'Red Data Book' of Turkey published in 1989 includes mainly the geophytes (Ekim et al. 1989). An important book on the bulbous plants of Turkey was published in 1984 (Baytop and Mathew 1984).

DYE PLANTS

Dyeing carpets, kilims, garments, and other materials such as easter eggs with wild dye plants has been practiced in Anatolia for 6000 years. Recent research has made it possible to identify the origin of most natural dyes used in dyeing such materials, as well as traditional dyeing techniques. Dyeing with wild plants is still practiced in several parts of Turkey, and such carpets and kilims are highly regarded (Enez 1987). A provisional list of dye plants is given in Annexe 5.

OTHER USEFUL PLANTS

Several other wild plants are used for various purposes such as insecticides, rodenticides, molluscicides, detergents, or in making musical instruments, furniture, boxes or chests, cigarette holder, beads, necklaces, etc. Examples of such uses are given in the attached comprehensive list.

CONCLUSION

I consider the establishment of a network on wild food and non-food plants of the Mediterranean region as a very useful initiative, since such a title covers all useful and hazardous wild plants. It will be useful if all the available data are compiled in a database accessible through the Internet. TBAM has created two databases on the plants of Turkey. The factual database FLOTURK contains information on synonyms, distribution, flower colour, altitude, habitat, etc. on each taxon recorded in the flora of Turkey. Pharmacological, chemical, trade, etc. data will be also be incorporated in due course. FLOTURK is partly accessible through internet (<http://www.anadolu.edu.tr>). A bibliographic database has also been created, containing key-worded information on published articles concerning the plants of Turkey. All the documents mentioned in this database are available in our archives. Furthermore, Turkey is represented in a network called APINMAP – the Asian-Pacific Information Network on Medicinal and Aromatic Plants. The headquarters of this UNESCO-sponsored network is in the Philippines. Our research centre is the national point of contact for this network in Turkey and relevant data are continuously fed into this database from each member country. It is not yet, however, accessible through the Internet. APINMAP data are incorporated in a CD-ROM series.

Home page of TBAM is under construction on the Internet and may be found at the following address (<http://www.anadolu.edu.tr/anadolu/tbam/index.html>). Electronic mail may be addressed to TBAM via tbam@vm.baum.anadolu.edu.tr

TABLE 1. STATISTICAL DATA ON THE FLORA OF TURKEY AS AT END-1993 (DAVIS ET AL. 1998; ÖZHATAY ET AL. 1994)

#	Native	Endemic	%	Alien	Cultivated	Total
Families	163	-	-	2	8	173
Genera	1151	15	1.3	25	52	1228
Species	8709	2747	31.5	79	138	8888
Subspecies	1603	1593	99.4	6	8	1617
Varieties	1043	387	37.1	1	5	1049
Hybrids	278	151	54.3	1	8	287
Total infra-generic taxa	10423	3560	34.2	84	153	10660

* includes Pteridophytes, Gymnosperms, Dicotyledons and Monocotyledons

TABLE 2. ENDEMISM (SOME EXAMPLES FROM THE FLORA OF TURKEY) (EKIM 1987)

Families	%	Genera	%
<i>Boraginaceae</i>	61	<i>Bolanthus</i>	ca. 90
<i>Campanulaceae</i>	60	<i>Ebenus</i>	90
<i>Scrophulariaceae</i>	52	<i>Alkanna</i>	81
<i>Rubiaceae</i>	48	<i>Sideritis</i>	78
<i>Caryophyllaceae</i>	46	<i>Acantholimon</i>	76
<i>Labiatae</i>	45	<i>Paronychia</i>	75
<i>Leguminosae</i>	40	<i>Verbascum</i> and <i>Gypsophila</i>	71
<i>Compositae</i>	37	<i>Paracaryum</i>	70
		<i>Cousinia</i>	68
		<i>Centaurea</i>	65
		<i>Astragalus</i>	63

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ANNEXE 1: ANATOLIAN VEGETABLE DRUGS USED IN THE HITTITE EMPIRE

Botanical names	Drugs
<i>Abies cilicica</i>	Resina Abietis
<i>Agropyron repens</i>	Rhizoma Graminis
<i>Allium cepa</i>	Bulbus Allii cepae
<i>A.sativum</i>	Bulbus Allii sativi
<i>Amygdalus communis</i>	Semen Amygdali
<i>Anethum graveolens</i>	Fructus Anethi
<i>Armeniaca vulgaris</i>	Semen Armeniacae
<i>Buxus sempervirens</i>	Folia Buxi
<i>Cannabis sativa</i>	Fructus and Herba Cannabis
<i>Carum carvi</i>	Fructus Carvi
<i>Cedrus libani</i>	Pix Cedri
<i>Coriandrum sativum</i>	Fructus Coriandri
<i>Cornus mas</i>	Fructus Corni
<i>Crocus sativus</i>	Stigmata Croci
<i>Cuminum cyminum</i>	Fructus Cumini
<i>Cupressus sempervirens</i>	Fructus Cupressi
<i>Echinophora tenuifolia</i>	Herba Echinophorae
<i>Foeniculum vulgare</i>	Fructus Foeniculi
<i>Glycyrrhiza glabra</i>	Radix Liquiritiae
<i>Gypsophila</i> sp.	Radix Saponariae alba
<i>Hyoscyamus niger</i>	Folia Hyoscyami
<i>Juniperus oxycedrus</i>	Fructus Juniperi
<i>Laurus nobilis</i>	Fructus Lauri
<i>Lupinus albus</i>	Semen Lupini
<i>Mandragora autumnalis</i>	Radix Mandragorae
<i>Mentha</i> sp.	Folia Menthae
<i>Myrtus communis</i>	Fructus and Folia Myrti
<i>Olea europea</i>	Oleum Olivarum
<i>Papaver somniferum</i>	Semen Papaveris and Opium
<i>Peganum harmala</i>	Semen Pegani
<i>Plantago</i> sp.	Folia Plantaginis
<i>Punica granatum</i>	Fructus Granati
<i>Quercus infectoria</i>	Gallae Quercinae
<i>Q.ithaburensis</i>	Semen Querci
<i>Rhamnus catharticus</i>	Fructus Rhamni cathartici
<i>Ruta chalepensis, R.montana</i>	Herba Rutea
<i>Salix</i> sp.	Cortex Salicis
<i>Sesamum indicum</i>	Oleum Sesami
<i>Solanum nigrum</i>	Herba Solani nigri
<i>Tamarix</i> sp.	Folia Tamari
<i>Thymus</i> sp.	Herba Thymi
<i>Veratrum album</i>	Rhizoma Veratri albi
<i>Zizyphus jujuba</i>	Fructus Zizyphi

ANNEXE 2: POISONOUS PLANTS OF TURKEY

AMARYLLIDACEAE

Galanthus sp.
Narcissus serotinus L.
Leucojum aestivum L.
Pancratium maritimum L.
Sternbergia sp.

ANACARDIACEAE

Schinus molle L.

APOCYNACEAE

Apocynum venetum L.
Nerium oleander L.
Vinca sp.

AQUIFOLIACEAE

Ilex aquifolium L.
I. colchica Poj

ARACEAE

Arum sp.
Biarum sp.
Dracunculus vulgaris Schott
Helicophyllum sp.

ARALIACEAE

Hedera colchica (C.Koch)
H. helix L.

ASCLEPIADACEAE

Cionura erecta L.
Cynanchum acutum L.
Periploca graeca L.
Vincetoxicum sp.

ASPIDIACEAE

Dryopteris filix-mas L.

BORAGINACEAE

Cynoglossum sp.
Echium sp.
Heliotropium sp.
Symphytum sp.

BUXACEAE

Buxus balearica Lam.
B. sempervirens L.

CANNABACEAE

Cannabis sativa L.

CAPRIFOLIACEAE

Sambucus ebulus L.
S. nigra L.
Viburnum lantana L.

CARYOPHYLLACEAE

Agrostemma githago L.
Saponaria sp.

CELASTACEAE

Euonymus europaeus L.
E. latifolius L.

CISTACEAE

Cistus laurifolius L.

COMPOSITAE

Anthemis cretica L. subsp. *anatolica*
Artemisia abointhium
Inula sp.
Lactuca sp.
Senecio sp.
Tanacetum sp.
T. coccineum Willd.

CRUCIFERAE

Brassica sp.
Cheiranthus cheiri L.
Diploaxis tenuifolia L.
Sisymbrium officinale L.

CUCURBITACEAE

Bryonia alba L.
Citrullus colocynthis L.
Ecballium elaterium L.

CUPRESSACEAE

Juniperus foetidissima Willd.
J. sabina L.

DIOSCOREACEAE

Tamus communis L.

EQUISETACEAE

Equisetum sp.

ERICACEAE

Rhododendron luteum Sweet
R. ponticum L.

EUPHORBIACEAE

Euphorbia sp.
Mercurialis annua L.
M. ovaia Sternb et Hoppe
M. perennis L.
Ricinus communis L.

FAGACEAE

Quercus sp.

GRAMINAE

Lolium temulentum L.
Sorghum halepense L.

GUTTIFERAE

Hypericum sp.

HIPPOCASTANACEAE

Aesculus hippocastanum L

HYPOLEPIDACEAE

Pteridium aquilinum L.

LILIACEAE

Aloe vera L.
Colchicum sp.
Convallaria majalis L.
Fritillaria sp.
Hyacinthus orientalis L.
Ornithogalum sp.
Paris incompleta
Polygonatum sp.
Ruscus sp.
Urginea maritima
Veratrum album L.

LINACEAE

Linum sp.

LORANTHACEAE

Viscum album L.

MELIACEAE

Melia azaderach L.

OLEACEAE

Ligustrum vulgare L.

OROBANCHACEAE

Orobanche sp.

PAPAVERACEAE

Chelidonium majus L.
Corydalis sp.
Fumaria sp.
Glaucium sp.
Hypecoum sp.
Papaver orientale L.
P. pseudo-orientale
P. somniferum L.
Roemeria sp.

PAPILIONACEAE (Fabaceae)

Anagyris foetida L.
Coronilla sp.
Genista tinctoria
Laburnum anagyroides Medicus
Lathyrus sativa L.
Lotus sp.
Lupinus sp.
Melilotus sp.
Robinia pseudoacacia L.
Sophora sp.
Spartium junceum L.
Vicia faba L.
Wisteria sinensis
PHYTOLACCACEAE
Phytolacca americana L.
P. pruinosa Fenzl

PRIMULACEAE

Anagallis arvensis L.
Cyclamen sp.
Primula sp.

RANUNCULACEAE

Actaea spicata L.
Aconitum sp.
Anemone sp.
Adonis sp.
Aquilegia olympica Boiss.
Caltha polypetala Hochst.
Clematis sp.
Consolida sp.
Delphinium sp.
D. staphisagria L.
Eranthis hiemalis L.
Helleborus orientalis Lam.
H. vesicarius Aucher
Ranunculus sp.
Thalictrum sp.
Trollius ranunculinus Smith.

ROSACEAE

Amygdalus communis L.
Laurocerasus officinalis Roemer
Prunus sp.

RUTACEAE

Ruta sp.

SCROPHULARIACEAE

Digitalis sp.

Gratiola officinalis L.

Verbascum sinuatum L.

SIMARUBACEAE

Ailanthus altissima (Miller) Swingle

SOLANACEAE

Atropa belladonna L.

Datura sp.

Hyoscyamus sp.

Mandragora autumnalis Bertol.

Nicotiana glauca Graham

Physalis alkekengi L.

Physochlaina orientalis

Solanum sp.

Withania somnifera L.

TAXACEAE

Taxus baccata L.

THYMELAEACEAE

Daphne sp.

D.pontica L.

UMBELLIFERAE

Aethusa cynapium L.

Cicuta virosa L.

Conium maculatum L.

Ferula sp.

Heracleum sp.

Johrenia sp.

Oenanthe sp.

Thapsia gargarica L.

URTICACEAE

Urtica sp.

ZYGOPHYLLACEAE

Peganum harmala L.

Tribulus terrestris L.

ANNEXE 3: ESSENTIAL OIL BEARING FAMILIES AND GENERA OF THE FLORA OF TURKEY

(Note: Numbers of species are indicated in brackets and name of single species is given in full)

AMARYLLIDACEAE	<i>Narcissus</i> (7)
ANACARDIACEAE	<i>Pistacia</i> (6), <i>Rhus coriaria</i> , <i>Schinus molle</i> (cult.)
ARACEAE	<i>Acorus calamus</i>
ARISTOLOCHACEAE	<i>Aristolochia</i> (24), <i>Asarum europeum</i>
CANNABACEAE	<i>Cannabis sativa</i> , <i>Humulus lupulus</i> ,
CAPRIFOLIACEAE	<i>Lonicera</i> (7)
CHENOPODIACEAE	<i>Chenopodium</i> (16)
CISTACEAE	<i>Cistus</i> (5)
COMPOSITAE	<i>Achillea</i> (40), <i>Anthemis</i> (50), <i>Artemisia</i> (24), <i>Calendula</i> (3), <i>Chrysanthemum</i> (2), <i>Dianthus</i> sp. (cult), <i>Erigeron</i> (9), <i>Helichrysum</i> (18), <i>Matricaria</i> (4), <i>Santolina chamaecyparissus</i> , <i>Tagetes minuta</i> , <i>Tanacetum</i> (44)
CRUCIFERAE	<i>Alliaria officinalis</i> , <i>Brassica</i> (9), <i>Cheiranthus cheiri</i> , <i>Sinapis</i> (2)
CUPRESSACEAE	<i>Cupressus sempervirens</i> , <i>Juniperus</i> (8), <i>Thuja</i> <i>occidentalis</i> (cultivated)
CYPERACEAE	<i>Cyperus rotundus</i>
ELAEOAGNACEAE	<i>Elaeagnus angustifolius</i>
HAMAMELIDACEAE	<i>Liquidambar orientalis</i>
HYPERICACEAE	<i>Hypericum</i> (77)
GERANIACEAE	<i>Pelargonium</i> sp.(cult.)
GRAMINAE	<i>Cymbopogon citratus</i> (cult.f.experiment)
IRIDIACEAE	<i>Crocus</i> (32), <i>Iris</i> (38)
JUGLANDACEAE	<i>Juglans regia</i>
LABIATEAE (<i>Lamiaceae</i>)	<i>Acinos</i> (6), <i>Calamintha</i> (9), <i>Corydanthus capitatus</i> , <i>Cyclotrichium</i> (6), <i>Dorystoechas hastata</i> , <i>Hyssopus</i> <i>officinalis</i> ssp. <i>angustifolius</i> , <i>Lavandula</i> (2), <i>Monarda</i> <i>punctata</i> (cult.), <i>Melissa officinalis</i> , <i>Mentha</i> (6), <i>Micromeria</i> (14), <i>Nepeta</i> (33), <i>Ocimum basilicum</i> , <i>Origanum</i> (23), <i>Rosmarinus officinalis</i> , <i>Salvia</i> (87), <i>Satureja</i> (14), <i>sideritis</i> (40), <i>Stachys</i> (76), <i>Teucrium</i> (27), <i>Thymbra</i> (2), <i>Thymus</i> (38), <i>Ziziphora</i> (5)
LAURACEAE	<i>Laurus nobilis</i>
LEGUMINOSAE	<i>Acacia</i> (6), <i>Robinia pseudoacacia</i> , <i>Trifolium</i> (95), <i>Trigonella</i> (50), <i>Spartium junceum</i>
LILIACEAE	<i>Allium</i> (146), <i>Hyacinthus orientalis</i> , <i>Lilium</i> (6), <i>Polyanthes tuberosa</i> (cult.)
MYRTACEAE	<i>Myrtus communis</i>
OLEACEAE	<i>Osmanthus decorus</i> , <i>Syringa vulgaris</i>
PINACEAE	<i>Abies</i> (2), <i>Cedrus libani</i> , <i>Picea orientalis</i> , <i>Pinus</i> (5)
RANUNCULACEAE	<i>Nigella</i> (14)
ROSACEAE	<i>Amygdalus</i> (11), <i>Fragaria</i> (2), <i>Orthurus heterocarpus</i> , <i>Prunus</i> (4), <i>Rosa</i> (24)
RUBIACEAE	<i>Asperula</i> (42)
RUTACEAE	<i>Citrus</i> (9)(cult.), <i>Dictamnus albus</i> , <i>Ruta</i> (2)
SALICACEAE	<i>Populus</i> (4)
TILIACEAE	<i>Tilia</i> (4)

UMBELLIFERAE

Ammi(2), *Angelica sylvestris*, *Anethum graveolens*,
Anthriscus (8), *Apium* (2), *Bunium* (8), *Carum*(5),
Coriandrum(2), *Crithmum maritimum*, *Cuminum*
cuminum (cult.), *Daucus* (5), *Echinophora* (6),
Falcaria (2), *Ferula* (17), *Foeniculum vulgare*,
Heracleum (16), *Laser trilobum*, *Malabaila* (6),
Oenanthe(7), *Pastinaca*(5), *Peucedanum* (14)
Petroselinum crispum (cult.), *Pimpinella* (23), *Prangos*
(11), *Scaligeria*(7), *Smyrniolum* (6), *Torilis*(8)

VALERIANACEAE

Valeriana (13)

VERBENACEAE

Lippia citriodora (cult.), *verbena* (2), *Vitex*(2)

VIOLACEAE

Viola(25)

ZYGOPHYLLACEAE

Zygophyllum(2)

ANNEX 4: ORNAMENTAL PLANTS (GEOPHYTES EXPORTED FROM TURKEY)

1. ***Galanthus*** (Amaryllidaceae) 8 species
Most exported species: *G.elwesii* (Mediterranean region)
G.ikariae (Black sea region)
Less exported species: *G.nivalis* subsp.*cilicicus*
G.fosteri
G.gracilis
2. ***Eranthis hyemalis*** (Ranunculaceae)
3. ***Anemone blanda*** and ***A.coronaria*** (Ranunculaceae)
4. ***Leucojum aestivum*** (Amaryllidaceae)
5. ***Cyclamen*** (Primulaceae) 10 sp.
Spring-flowering Autumn-flowering
C.persicum *C.hederifolium* (=C.*neapolitanum*)*
C.repandum (E) *C.graecum*
C.pseudoibericum (E) *C.cilicicum* (E)*
C.coum *C.mirabile* (E)*
C.trochopetraanthum (E) E= Endemic
C.parviflorum (E) *= mainly exported
6. ***Fritillaria*** (Liliaceae) 31 sp.
F.imperialis
F.persica
7. ***Sternbergia*** (Amaryllidaceae) 7 sp.
S.candida (E) white flowering
S.schubertii (E)
S.clusiana
S.colchicifolia
S.lutea
8. ***Lilium*** (Liliaceae) 6 sp.
L.candidum Highly fragrant (cultivated)
9. ***Tulipa*** (Liliaceae) 12 sp.
T.humilis
10. ***Arum*** (Araceae) 11 sp.
11. ***Dracunculus vulgaris*** (Araceae)
12. ***Geranium tuberosum*** (Geraniaceae)
13. ***Colchicum*** (Liliaceae) 22 sp. 5 endemic
C.speciosum
14. ***Muscari*** (Liliaceae) 20 sp. 2 endemic
M.comosus
M.armeniaceum
15. ***Ornithogalum*** (Liliaceae) 23 sp. 2 endemic
O.nutans
16. ***Scilla*** (Liliaceae) 14 sp. 2 endemic
S.bifolia
17. ***Allium*** (Liliaceae) 140 sp.
A.neapolitanum
A.roseum
A.nigrum
18. ***Gladiolus*** (Iridaceae) 9 sp. 4 endemic
19. ***Oxalis*** (Oxalidaceae) 3 sp. Rhizomes are collected in Black Sea region
O.acetocella
O.corniculata
20. ***Urginea maritima*** (Liliaceae)
21. ***Pancratium maritimum*** (Amaryllidaceae)
22. ***Narcissus*** (Amaryllidaceae) 9 sp. 2 native others cultivar

N.tazetta Only this species is collected for export

N.serotinus

23. *Gentiana lutea* (*Gentianaceae*)

24. *Orchidaceae*

Tubers of terrestrial orchids belonging to the following genera: *Orchis*, *Ophrys*, *Serapias*, *Platanthera*, *Dactylorhiza* are collected from the wild.

ANNEX 5: DYE PLANTS OF TURKEY (A PROVISIONAL LIST)**Blue***Isatis tinctoria*, *I.corymbosa*, *I.tomentella***Red***Alkanna tinctoria*, *A.orientalis*, *Alnus glutinosa*, *Arnebia densiflora*, *Carthamus tinctorius*, *Rubia tinctorum***Yellow***Allium cepa*, *Anthemis chia*, *A.tinctoria*, *Berberis* sp., *Bupleurum rotundifolium*, *Cotynus coggyria*, *Crocus sativus*, *Datisca cannabina*, *Euphorbia rigida*, *Frangula alnus*, *Genista tinctoria*, *Hypericum empetrifolium*, *Inula viscosa*, *Pistacia terebinthus*, *P.terebinthus* subsp. *palaestina*, *Polygonum bellardii*, *Punica granatum*, *Reseda luteola*, *Rhus coriaria*, *Salvia* sp., *Salvia triloba*, *Verbascum* sp., *Vitis vinifera***Orange***Lawsonia inermis***Green***Vitex agnus-castus***Brown***Juglans regia***Black***Quercus macrolepis*, *Rumex alpinus*, *Salvia cryptantha*, *S.nemorosa*

ANNEXE 6: A TENTATIVE LIST OF WILD FOOD AND NON-FOOD PLANTS OF TURKEY

Latin Name	Family	Plant part	Use
<i>Acacia dealbata</i>	Leguminosae	plant	O
<i>Acanthus dioscoridis</i>	Acanthaceae	flower (corolla)	F T
<i>Acanthus hirsutus</i>	Acanthaceae	flower (corolla)	F T
<i>Acer tataricum</i>	Aceraceae	branch	cigarette holder
<i>Achillea millefolium</i>	Compositae	herb	M A
<i>Achillea wilhelmsii</i>	Compositae	herb	I
<i>Aconitum</i> sp.	Ranunculaceae	plant	P
<i>Acorus calamus</i>	Araceae	rhizome	M A
<i>Acroptilon repens</i>	Compositae	herb	P
<i>Actaea spicata</i>	Ranunculaceae	fruit	P
<i>Adiantum capillus-veneris</i>	Adiantaceae	herb	M
<i>Agaricus arvensis</i>		mushroom	F
<i>Agaricus bisporus</i>		mushroom	F
<i>Agaricus bitorquis</i>		mushroom	F
<i>Agaricus campestris</i>		mushroom	F
<i>Agaricus xanthoderma</i>		mushroom	P
<i>Ajuga chamaepitys</i>	Labiatae	herb	M
<i>Albizia julibrissin</i>	Leguminosae	tree	O
<i>Alcea rosea</i>	Malvaceae	plant	O
<i>Alcea setosa</i>	Malvaceae	root, bud	M
<i>Alchemilla arvensis</i>	Rosaceae	root, leaf	M
<i>Alchemilla pseudocartalinica</i>	Rosaceae	root, leaf	M
<i>Alhagi pseudoalhagi</i>	Leguminosae	manna	F
<i>Alkanna orientalis</i>	Boraginaceae	root	D (red)
<i>Alkanna tinctoria</i>	Boraginaceae	root	D (red)
<i>Alliaria petiolata</i>	Cruciferae	leaf	C A
<i>Allium atroviolaceum</i>	Liliaceae	leaf, stem	F
<i>Allium aucheri</i>	Liliaceae	leaf, stem	F
<i>Allium cardiostemon</i>	Liliaceae	leaf, stem	F
<i>Allium macrochaetum</i>	Liliaceae	bulb	C A
<i>Allium sativum</i>	Liliaceae	bulb (cult.)	C A F
<i>Allium schoenoprassum</i>	Liliaceae	leaf, stem	F
<i>Allium scorodoprassum</i>	Liliaceae	leaf, stem	F
<i>Allium tuncelianum</i>	Liliaceae	bulb	C A
<i>Allium vineale</i>	Liliaceae	leaf, stem	F
<i>Alnus glutinosa</i>	Betulaceae	stem bark, root bark	D (red)
<i>Aloe vera</i>	Liliaceae	leaf juice	M, cosmetics
<i>Althaea officinalis</i>	Malvaceae	root, flower, leaf	M
<i>Amanita caesarea</i>		mushroom	P
<i>Amanita muscaria</i>		mushroom	P
<i>Amanita pantherina</i>		mushroom	P
<i>Amanita phalloides</i>		mushroom	P
<i>Amanita rubescens</i>		mushroom	P (edible when cooked)
<i>Amanita vaginata</i>		mushroom	F
<i>Amanita verna</i>		mushroom	P
<i>Amanita virosa</i>		mushroom	P
<i>Amaranthus albus</i>	Chenopodiaceae	herb	F

<i>Amaranthus blitoides</i>	<i>Chenopodiaceae</i>	herb	F
<i>Amaranthus graecizans</i>	<i>Chenopodiaceae</i>	herb	F
<i>Amaranthus lividus</i>	<i>Chenopodiaceae</i>	stem (flowering)	F
<i>Amaranthus retroflexus</i>	<i>Chenopodiaceae</i>	herb	F
<i>Amelanchier parviflora</i>	<i>Rosaceae</i>	fruit	F
<i>Ammi visnaga</i>	<i>Umbelliferae</i>	fruit	M
<i>Ammi visnaga</i>	<i>Umbelliferae</i>	fruit stalk	tooth-pick
<i>Amygdalus communis</i>	<i>Rosaceae</i>	seed	F, oil
<i>Amygdalus lycioides</i>	<i>Rosaceae</i>	seed	F
<i>Amygdalus orientalis</i>	<i>Rosaceae</i>	seed	F
<i>Anagyris foetida</i>	<i>Leguminosae</i>	seed	P
<i>Anchonium elichrysifolium</i>		leaf	tobacco substitute, snuff
<i>Anchusa azurea</i>	<i>Boraginaceae</i>	leaf	F
<i>Anchusa strigosa</i>	<i>Boraginaceae</i>	leaf	F
<i>Anemone blanda</i>	<i>Ranunculaceae</i>	plant	O
<i>Anemone coronaria</i>	<i>Ranunculaceae</i>	plant	O
<i>Anethum graveolens</i>	<i>Umbelliferae</i>	herb, fruit	A F C
<i>Angelica sylvestris</i>	<i>Umbelliferae</i>	stem (peeled)	F
<i>Angelica sylvestris</i>	<i>Umbelliferae</i>	stem, branch	F
<i>Anhriscus nemorosa</i>	<i>Umbelliferae</i>	stem	A F
<i>Ankyropetalum gypsophiloides</i>	<i>Caryophyllaceae</i>	root	F (Siirt Helvasý)
<i>Anthemis chia</i>	<i>Compositae</i>	flower	D (yellow)
<i>Anthemis tinctoria</i> var. <i>tinctoria</i>	<i>Compositae</i>	stem (flowering)	D (hair dye)
<i>Anthriscus nemorosa</i>	<i>Umbelliferae</i>	herb	F
<i>Apium graveolens</i>	<i>Umbelliferae</i>	leaf, root	F
<i>Apium nodiflorum</i>	<i>Umbelliferae</i>	leaf, root	F
<i>Aquilegia orientalis</i>	<i>Ranunculaceae</i>	plant	O
<i>Arbutus unedo</i>	<i>Ericaceae</i>	fruit	F
<i>Arctium minus</i> subsp. <i>pubens</i>	<i>Compositae</i>	stem, leaf	F
<i>Arctium tomentosum</i>	<i>Compositae</i>	leaf	F
<i>Arisarum vulgare</i>	<i>Araceae</i>	plant	O
<i>Aristolochia clematitis</i>	<i>Aristolochiaceae</i>	plant	M
<i>Armillariella mella</i>		mushroom	P
<i>Armillariella mellea</i>		mushroom	F
<i>Arnebia densiflora</i>	<i>Boraginaceae</i>	root	D (red)
<i>Artemisia absinthium</i>	<i>Compositae</i>	leaf	M A
<i>Artemisia dracunculus</i>	<i>Compositae</i>	herb	C A
<i>Artemisia santolina</i>	<i>Compositae</i>	herb	M A
<i>Artemisia</i> sp.	<i>Compositae</i>	herb	M A
<i>Artemisia spicigera</i>	<i>Compositae</i>	herb	M A I
<i>Arum dioscoridis</i>	<i>Araceae</i>	leaf	F
<i>Arum italicum</i>	<i>Araceae</i>	plant	O
<i>Arum</i> sp.	<i>Araceae</i>	leaf	F
<i>Arundo donax</i>	<i>Graminae</i>	stem	musical instruments (kaval, ney)
<i>Asarum europeum</i>	<i>Aristolochiaceae</i>	rhizome	M A
<i>Asparagus acutifolius</i>	<i>Liliaceae</i>	shoot (young)	F
<i>Asparagus officinalis</i>	<i>Liliaceae</i>	shoot (cult.)	F

<i>Asparagus palaestinus</i>	<i>Liliaceae</i>	branch (leafy)	O (used by florists)
<i>Asphodeline tenuior</i>	<i>Liliaceae</i>	root	glue
<i>Asphodelus aestivus</i>	<i>Liliaceae</i>	root	glue
<i>Asplenium adiantum-nigrum</i>	<i>Aspleniaceae</i>	herb	M
<i>Astragalus</i> sp.	<i>Leguminosae</i>	flower	F
<i>Astragalus</i> sp.	<i>Leguminosae</i>	root	gum
<i>Astragalus</i> sub. <i>robustus</i>	<i>Leguminosae</i>	fruit (unripe)	F
<i>Atriplex nitens</i>	<i>Chenopodiaceae</i>	herb	F
<i>Atropa belladonna</i>	<i>Solanaceae</i>	plant	P
<i>Ballota nigra</i>	<i>Labiatae</i>	herb	M
<i>Ballota saxatilis</i>	<i>Labiatae</i>	herb	M
<i>Bellis perennis</i>	<i>Compositae</i>	herb	F
<i>Berberis crataegina</i>	<i>Berberidaceae</i>	fruit , shoot (young)	F
<i>Berberis cretica</i>	<i>Berberidaceae</i>	fruit, shoot (young)	F
<i>Beta lomotogana</i>	<i>Chenopodiaceae</i>	leaf	F
<i>Beta trigina</i>	<i>Chenopodiaceae</i>	leaf	F
<i>Beta vulgaris</i>	<i>Chenopodiaceae</i>	leaf, root	F
<i>Bifora radians</i>	<i>Umbelliferae</i>	herb	A C
<i>Boletus claviceps</i>		mushroom	P
<i>Boletus edulis</i>		mushroom	F
<i>Boletus satanas</i>		mushroom	P
<i>Bongardia chrysogonum</i>	<i>Berberidaceae</i>	tuber	M
<i>Borago officinalis</i>	<i>Boraginaceae</i>	stem (flowering)	F
<i>Bryonia alba</i>	<i>Cucurbitaceae</i>	root	M
<i>Bunium ferulaceum</i>	<i>Umbelliferae</i>	tuber	F
<i>Bunium microcarpum</i>	<i>Umbelliferae</i>	tuber	F
<i>Bunium paucifolium</i>	<i>Umbelliferae</i>	tuber	F, flour added to bread dough
<i>Buxus sempervirens</i>	<i>Buxaceae</i>	leaf	P
<i>Caltha polypetala</i>	<i>Ranunculaceae</i>	leaf	F
<i>Campanula glomerata</i>	<i>Campanulaceae</i>	herb	F
<i>Campanula trachelium</i>	<i>Campanulaceae</i>	root , young shoot	F
<i>Cannabis sativa</i>	<i>Cannabaceae</i>	seed	F (crushed seeds yield oily liquid)
<i>Cannabis sativa</i>	<i>Cannabaceae</i>	stem	fibre
<i>Cannabis sativa</i>	<i>Cannabaceae</i>	leaf	M, narcotic
<i>Cantharellus cibarius</i>		mushroom	F
<i>Cantharellus lutescens</i>		mushroom	F
<i>Capparis ovata</i>	<i>Capparidaceae</i>	flower bud	F
<i>Capparis spinosa</i>	<i>Capparidaceae</i>	flower bud	F
<i>Capsella bursa-pastoris</i>	<i>Cruciferae</i>	herb	F
<i>Capsella rubella</i>	<i>Cruciferae</i>	herb	F
<i>Cardaria draba</i>	<i>Cruciferae</i>	herb	M
<i>Carduus hamulosus</i>	<i>Compositae</i>	stem	F
<i>Carthamus tinctorius</i>	<i>Compositae</i>	flower	D food dye
<i>Carthamus tinctorius</i>	<i>Compositae</i>	seed fixed-oil	F
<i>Carum carvi</i>	<i>Umbelliferae</i>	fruit , herb	A C
<i>Castanea sativa</i>	<i>Fagaceae</i>	fruit	F
<i>Cedrus libani</i>	<i>Pinaceae</i>	wood	A M, tar

<i>Celtis australis</i>	<i>Ulmaceae</i>	fruit	F
<i>Celtis glabrata</i>	<i>Ulmaceae</i>	fruit powder	F (kavut)
<i>Celtis tournefortii</i>	<i>Ulmaceae</i>	fruit powder	F
<i>Centaurea cyanus</i>	<i>Compositae</i>	stem (flowering)	M
<i>Centaurea glastifolia</i>	<i>Compositae</i>	stem (peeled)	F
<i>Centaurea glastifolia</i>	<i>Compositae</i>	stem (flowering)	M
<i>Centaurea macrocephala</i>	<i>Compositae</i>	flower	D
<i>Centaureum erythraea</i>	<i>Gentianaceae</i>	herb	M
<i>Centranthus ruber</i>	<i>Valerianaceae</i>	herb	M
<i>Cephalaria procera</i>	<i>Dipsacaceae</i>	herb	fodder
<i>Cephalaria syriaca</i>	<i>Dipsacaceae</i>	seed	fixed oil, flour added to bread dough
<i>Cerasus angustifolia</i>	<i>Rosaceae</i>	fruit	F
<i>Cerasus mahaleb</i>	<i>Rosaceae</i>	branch	A, cigarette holder
<i>Cerasus mahaleb</i>	<i>Rosaceae</i>	seed	A, food additive
<i>Cerasus microcarpa</i>	<i>Rosaceae</i>	fruit	F
<i>Ceratonis siliqua</i>	<i>Leguminosae</i>	fruit	F
<i>Cercis siliquastrum</i>	<i>Leguminosae</i>	flower	F
<i>Cerinthe minor</i>	<i>Boraginaceae</i>	herb	F
<i>Ceterach officinarum</i>	<i>Aspleniaceae</i>	herb	M
<i>Chaerophyllum bulbosum</i>	<i>Umbelliferae</i>	stem (peeled)	F
<i>Chaerophyllum byzantinum</i>	<i>Umbelliferae</i>	leaf	A C
<i>Chaerophyllum libanoticum</i>	<i>Umbelliferae</i>	stem	F
<i>Chaerophyllum macropodum</i>	<i>Umbelliferae</i>	stem (peeled)	F
<i>Chaerophyllum macropodum</i>	<i>Umbelliferae</i>	leaf	F
<i>Cheiranthus cheiri</i>	<i>Cruciferae</i>	plant	A O
<i>Chelidonium majus</i>	<i>Papaveraceae</i>	plant	M P
<i>Chenopodium album</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chenopodium album</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chenopodium foliosum</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chenopodium foliosum</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chenopodium foliosum</i>	<i>Chenopodiaceae</i>	fruit	F
<i>Chenopodium polyspermum</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chenopodium urbicum</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chenopodium urbicum</i>	<i>Chenopodiaceae</i>	herb	F
<i>Chondrilla juncea</i>	<i>Compositae</i>	root latex	chewing gum
<i>Chondrilla juncea</i>	<i>Compositae</i>	leaf	F
<i>Chroogomphus rutilus</i>		mushroom	F
<i>Chrozophora tinctoria</i>	<i>Euphorbiaceae</i>	plant	D
<i>Chrysanthemum coronarium</i>	<i>Compositae</i>	herb	F
<i>Chrysanthemum segetum</i>	<i>Compositae</i>	herb	F
<i>Cicer anatolicum</i>	<i>Leguminosae</i>	seed	F
<i>Cichorium endivia</i>	<i>Compositae</i>	leaf (rosette)	F
<i>Cichorium glandulosum</i>	<i>Compositae</i>	herb	M
<i>Cichorium intybus</i>	<i>Compositae</i>	leaf (rosette)	F

<i>Cionura erecta</i>	<i>Asclepiadaceae</i>	herb	P
<i>Cirsium ciliatum</i> subsp. <i>szovitsii</i>	<i>Compositae</i>	herb	F
<i>Cirsium rhizocephalum</i> subsp. <i>rhizocephalum</i>	<i>Compositae</i>	root	F
<i>Cirsium rhizocephalum</i> subsp. <i>rhizocephalum</i>	<i>Compositae</i>	stem (peeled)	F
<i>Cistus creticus</i>	<i>Cistaceae</i>	leaves (ladanum)	A
<i>Citrullus colocynthis</i>	<i>Cucurbitaceae</i>	fruit	M P
<i>Clematis</i> sp.	<i>Ranunculaceae</i>	plant	O
<i>Clitocybe dealbata</i>		mushroom	P
<i>Clitocybe geotropa</i>		mushroom	F
<i>Clitocybe infundibuliformis</i>		mushroom	F
<i>Clitocybe nebularis</i>		mushroom	F
<i>Clitocybe olearia</i>		mushroom	P
<i>Clitocybe rivulosa</i>		mushroom	P
<i>Clitopilus prunulus</i>		mushroom	F
<i>Cnicus benedictus</i>	<i>Compositae</i>	herb	F
<i>Coix lacrima-jobi</i>	<i>Graminae</i>	fruits	beads
<i>Colchicum</i> sp.	<i>Liliaceae</i>	bulb	M P
<i>Colchicum</i> sp.	<i>Liliaceae</i>	plant	P
<i>Colchicum speciosum</i>	<i>Liliaceae</i>	seed	M
<i>Collybia velutipes</i>		mushroom	F
<i>Colocasia esculenta</i>	<i>Araceae</i>	tuber	F
<i>Colutea cilicica</i>	<i>Leguminosae</i>	leaf	M
<i>Conium maculatum</i>	<i>Umbelliferae</i>	seed	P
<i>Conringia orientalis</i>	<i>Cruciferae</i>	leaf	snuff
<i>Consolida orientalis</i>	<i>Ranunculaceae</i>	flower	D (food dye)
<i>Convallaria majalis</i>	<i>Liliaceae</i>	flower	O A
<i>Convolvulus arvensis</i>	<i>Convolvulaceae</i>	leaf	F
<i>Convolvulus arvensis</i>	<i>Convolvulaceae</i>	latex	M
<i>Convolvulus scammonia</i>	<i>Convolvulaceae</i>	root	M
<i>Conyza bonariensis</i>	<i>Compositae</i>	herb	M
<i>Coprinus atramentarius</i>		mushroom	P
<i>Coprinus comatus</i>		mushroom	F
<i>Coriandrum sativum</i>	<i>Umbelliferae</i>	fruit	A C
<i>Coriandrum sativum</i>	<i>Umbelliferae</i>	leaf	F C
<i>Coridothymus capitatus</i>	<i>Labiatae</i>	herb	A C
<i>Cornus mas</i>	<i>Cornaceae</i>	fruit	F
<i>Cornus sanguinea</i>	<i>Cornaceae</i>	fruit	F
<i>Cornus sanguinea</i> subsp. <i>cilicica</i>	<i>Cornaceae</i>	fruit	F
<i>Coronilla varia</i>	<i>Leguminosae</i>	plant	fodder
<i>Cortinarius orellanus</i>		mushroom	P
<i>Corydalis rutifolia</i>	<i>Papaveraceae</i>	plant	T
<i>Corydalis solida</i>	<i>Papaveraceae</i>	tuber	M
<i>Coryllus avellana</i>	<i>Corylaceae</i>	fruit (cultivated)	F
<i>Coryllus maxima</i>	<i>Corylaceae</i>	fruit	F
<i>Cotinus coggyria</i>	<i>Anacardiaceae</i>	root	D (yellow)
<i>Cotinus coggyria</i>	<i>Anacardiaceae</i>	leaf	M, tanning material
<i>Cotoneaster integerrimus</i>	<i>Rosaceae</i>	fruit	F

<i>Cotoneaster nummularia</i>	<i>Rosaceae</i>	fruit	F
<i>Crataegus aronia</i>	<i>Rosaceae</i>	fruit	F
<i>Crataegus monogyna</i>	<i>Rosaceae</i>	branch	walking stick
<i>Crataegus orientalis</i>	<i>Rosaceae</i>	fruit	F
<i>Crataegus pseudoheterophylla</i>	<i>Rosaceae</i>	fruit	F
<i>Crataegus szovitsii</i>	<i>Rosaceae</i>	fruit	F
<i>Crataegus tanacetifolia</i>	<i>Rosaceae</i>	fruit	F
<i>Craterellus cornucopioides</i>		mushroom	F
<i>Crithmum maritimum</i>	<i>Umbelliferae</i>	leaf	F
<i>Crocus sativus</i>	<i>Iridaceae</i>	flower (stigma)	C saffron
<i>Crocus</i> sp. (30 spp.)	<i>Iridaceae</i>	tuber	F
<i>Cucumis trigonus</i>	<i>Cucurbitaceae</i>	fruit	M
<i>Cuminum cyminum</i>	<i>Umbelliferae</i>	fruit	C A
<i>Cupressus sempervivens</i>	<i>Cupressaceae</i>	cone	M A
<i>Cuscuta europea</i>	<i>Cuscutaceae</i>	herb	P
<i>Cyclamen persicum</i>	<i>Primulaceae</i>	leaf	F
<i>Cyclamen</i> sp.	<i>Primulaceae</i>	plant	O
<i>Cyclamen</i> sp.	<i>Primulaceae</i>	tuber	P M
<i>Cyclotrichium niveum</i>	<i>Labiatae</i>	herb	A C
<i>Cyclotrichium origanifolium</i>	<i>Labiatae</i>	herb	A C
<i>Cynoglossum officinale</i>	<i>Boraginaceae</i>	herb	F
<i>Cyperus rotundus</i>	<i>Cyperaceae</i>	tuber	F
<i>Daphne pontica</i>	<i>Thymelaeaceae</i>	leaf, fruit	P
<i>Daphne sericea</i>	<i>Thymelaeaceae</i>	plant	M
<i>Daphne</i> sp.	<i>Thymelaeaceae</i>	plant	P
<i>Datura innoxia</i>	<i>Solanaceae</i>	plant	P
<i>Datura stramonium</i>	<i>Solanaceae</i>	flower	M
<i>Datura stramonium</i>	<i>Solanaceae</i>	seed	Narcotic
<i>Datura stramonium</i>	<i>Solanaceae</i>	plant	P
<i>Delphinium ajacis</i>	<i>Ranunculaceae</i>	plant	O
<i>Delphinium</i> sp.	<i>Ranunculaceae</i>	plant	P
<i>Delphinium staphisagria</i>	<i>Ranunculaceae</i>	seed	I P
<i>Dianthus barbata</i>	<i>Caryophyllaceae</i>	plant	O
<i>Dictamnus albus</i>	<i>Rutaceae</i>	herb	toxic, photodermatitis
<i>Diospyros kaki</i>	<i>Ebenaceae</i>	fruit	F
<i>Diospyros lotus</i>	<i>Ebenaceae</i>	fruit	F
<i>Dipsacus laciniatus</i>	<i>Dipsacaceae</i>	inflorescence (dried)	hair comb
<i>Dorystoechas hastata</i>	<i>Labiatae</i>	leaf	T A
<i>Dracunculus vulgaris</i>	<i>Araceae</i>	plant	O
<i>Dryopteris filix-mas</i>	<i>Hypolepidaceae</i>	rhizome	M
<i>Ecballium elaterium</i>	<i>Cucurbitaceae</i>	fruit juice	M
<i>Echinophora orientalis</i>	<i>Umbelliferae</i>	root	A F (helva ingredient)
<i>Echinophora tenuifolia</i> subsp. <i>sibthorpiana</i>	<i>Umbelliferae</i>	herb	A C
<i>Echinops orientalis</i>	<i>Compositae</i>	outer inflorescens	F
<i>Echinops pungens</i>	<i>Compositae</i>	outer inflorescens	F
<i>Elaeagnus angustifolia</i>	<i>Elaeagnaceae</i>	fruit	F

<i>Elymus repens</i>	Graminae	rhizome	M
<i>Ephedra campylopoda</i>	Ephedraceae	branch	M
<i>Ephedra distachya</i>	Ephedraceae	branch	M
<i>Ephedra major</i>	Ephedraceae	branch	M
<i>Eranthis hyemalis</i>	Ranunculaceae	plant	O
<i>Eremurus spectabilis</i>	Liliaceae	leaf	F
<i>Eremurus spectabilis</i>	Liliaceae	root	glue
<i>Erica</i> sp.	Ericaceae	branch	broom
<i>Eriolobus trilobatus</i>	Rosaceae	fruit	F
<i>Eruca cappadocica</i>	Cruciferae	seed	fixed oil
<i>Eruca sativa</i>	Cruciferae	leaf	F
<i>Eryngium creticum</i>	Compositae	herb	hung on door to ward off evil-eye
<i>Eryngium giganteum</i>	Compositae	stem	F
<i>Euphorbia apios</i>	Euphorbiaceae	tuber	M
<i>Euphorbia chamaesyce</i>	Euphorbiaceae	herb	F
<i>Euphorbia rigida</i>	Euphorbiaceae	plant	D (yellow)
<i>Euphorbia</i> sp.	Euphorbiaceae	latex	M
<i>Falcaria vulgaris</i>	Umbelliferae	shoot (young)	F
<i>Ferula communis</i>	Umbelliferae	stem	walking stick
<i>Ferula elaeochytris</i>	Umbelliferae	leaf	A F
<i>Ferula elaeochytris</i>	Umbelliferae	root	M (aphrodisiac)
<i>Ferula rigidula</i>	Umbelliferae	leaf	A F
<i>Ferula szowitsiana</i>	Umbelliferae	stem (peeled)	F
<i>Ferulago trachycarpa</i>	Umbelliferae	leaf (rosette)	F
<i>Ficus carica</i>	Moraceae	fruit	F
<i>Ficus carica</i>	Moraceae	fruit latex	F in Teleme
<i>Ficus elastica</i>	Moraceae	tree	O
<i>Foeniculum vulgare</i>	Umbelliferae	fruit , leaf	C A
<i>Foeniculum vulgare</i> subsp. <i>piperatum</i>	Umbelliferae	leaf	C A
<i>Fragaria vesca</i>	Rosaceae	fruit	F
<i>Frangula alnus</i>	Rhamnaceae	bark	M
<i>Fritillaria imperialis</i>	Liliaceae	plant	O
<i>Fritillaria persica</i>	Liliaceae	plant	O
<i>Fumaria</i> sp.	Fumariaceae	herb	M
<i>Galanthus</i> sp.	Amaryllidaceae	plant	O
<i>Galerina marginata</i>		mushroom	P
<i>Genista tinctoria</i>	Leguminosae	flower	D (yellow)
<i>Gentiana lutea</i>	Gentianaceae	root	M
<i>Gentiana olivieri</i>	Gentianaceae	herb	M
<i>Geranium</i> sp.	Geraniaceae	herb	F
<i>Geranium tuberosum</i> subsp. <i>tuberosum</i>	Geraniaceae	tuber	F
<i>Geum urbanum</i>	Rosaceae	root	M
<i>Gladiolus</i> sp.	Iridaceae	plant	O
<i>Glaucium corniculatum</i>	Papaveraceae	plant	M
<i>Glaucium grandiflorum</i>	Papaveraceae	fruit	M
<i>Glycyrrhiza echinata</i>	Leguminosae	root	M F
<i>Glycyrrhiza glabra</i>	Leguminosae	root	M F
<i>Gomphidius glutinosus</i>		mushroom	F
<i>Gomphidius viscidus</i>		mushroom	F

<i>Gundeia tournefortii</i>	<i>Compositae</i>	fruit	F (roasted and ground to make coffee)
<i>Gundelia tournefortii</i>	<i>Compositae</i>	shoot (young)	F
<i>Gundelia tournefortii</i>	<i>Compositae</i>	root latex	gum
<i>Gypsophila</i> sp.	<i>Caryophyllaceae</i>	root	M F (helva ingredient)
<i>Gyromitra esculenta</i>		mushroom	P (edible when cooked)
<i>Hedera helix</i>	<i>Araliaceae</i>	leaf	M
<i>Hedera helix</i>	<i>Araliaceae</i>	fruit	P
<i>Helichrysum</i> sp.	<i>Compositae</i>	flower	M A
<i>Heliotropium</i> sp.	<i>Boraginaceae</i>	leaf juice	M
<i>Helleborus orientalis</i>	<i>Ranunculaceae</i>	root	V
<i>Helleborus vesicarius</i>	<i>Ranunculaceae</i>	plant	P
<i>Heracleum plathytaenium</i>	<i>Umbelliferae</i>	stem	F
<i>Heracleum trachyloma</i>	<i>Umbelliferae</i>	stem (peeled)	F
<i>Hericum coralloides</i>		mushroom	F
<i>Hippomarathum cristatum</i>	<i>Umbelliferae</i>	herb	C A
<i>Hippophae rhamnoides</i>	<i>Elaeagnaceae</i>	fruit	F
<i>Hovenia dulcis</i>	<i>Rhamnaceae</i>	flower stalk	F
<i>Humulus lupulus</i>	<i>Cannabaceae</i>	flower	M, F (food additive)
<i>Hyacinthus orientalis</i>	<i>Liliaceae</i>	plant	O A
<i>Hydnum imbricatum</i>		mushroom	F
<i>Hydnum repandum</i>		mushroom	F
<i>Hygrophorus marzuolus</i>		mushroom	F
<i>Hygrophorus pratensis</i>		mushroom	F
<i>Hygrophorus puniceus</i>		mushroom	F
<i>Hyoscyamus niger</i>	<i>Solanaceae</i>	herb, seed	M P
<i>Hyoseris radiata</i>	<i>Compositae</i>	herb	F
<i>Hypericum empetrifolium</i>	<i>Hypericaceae</i>	flower	D
<i>Hypericum</i> sp.	<i>Hypericaceae</i>	herb	M
<i>Hypholoma fasciculare</i>		mushroom	P
<i>Hyssopus officinalis</i> subsp. <i>angustifolius</i>	<i>Labiatae</i>	leaf	A C
<i>Inocybe fastigiata</i>		mushroom	P
<i>Inula helenium</i> subsp. <i>orgyalis</i>	<i>Compositae</i>	root	M
<i>Inula heterolepis</i>	<i>Compositae</i>	plant	M
<i>Inula oculus-christi</i>	<i>Compositae</i>	herb	F, sweetener
<i>Inula viscosa</i>	<i>Compositae</i>	flower	D (yellow)
<i>Ipomoea purpurea</i>	<i>Convolvulaceae</i>	plant	O
<i>Ipomoea stolonifera</i>	<i>Convolvulaceae</i>	leaf	M
<i>Iris</i> sp.	<i>Iridaceae</i>	plant	O
<i>Iris unguicularis</i>	<i>Iridaceae</i>	rhizome	F in Teleme
<i>Isatis tinctoria</i>	<i>Cruciferae</i>	herb	D (blue)
<i>Ixiolirion tataricum</i>	<i>Amaryllidaceae</i>	flower	F
<i>Juglans regia</i>	<i>Juglandaceae</i>	leaf fruit peel	D
<i>Juglans regia</i>	<i>Juglandaceae</i>	seed	F
<i>Juniperus drupacea</i>	<i>Cupressaceae</i>	berry cone	beads
<i>Juniperus drupacea</i>	<i>Cupressaceae</i>	fruit - conc. syrup	F M

<i>Juniperus drupacea</i>	<i>Cupressaceae</i>	wood tar	M
<i>Juniperus foetidissima</i>	<i>Cupressaceae</i>	wood	A furniture (chest)
<i>Juniperus oxycedrus</i>	<i>Cupressaceae</i>	wood tar	M
<i>Juniperus oxycedrus</i>	<i>Cupressaceae</i>	fruit	M
<i>Juniperus</i> sp.	<i>Cupressaceae</i>	fruit	M
<i>Jurinea moschus</i>	<i>Compositae</i>	flower	A
<i>Laccaria amethystina</i>		mushroom	F
<i>Lactarius blennius</i>		mushroom	F
<i>Lactarius deliciosus</i>		mushroom	F
<i>Lactarius piperatus</i>		mushroom	F
<i>Lactarius vellereus</i>		mushroom	F
<i>Lactarius volemus</i>		mushroom	F
<i>Lactuca aculeata</i>	<i>Compositae</i>	leaf	F
<i>Lagenaria siceraria</i>	<i>Cucurbitaceae</i>	fruit (dried)	water cup
<i>Lamium</i> sp.	<i>Labiatae</i>	herb	M
<i>Laser trilobum</i>	<i>Umbelliferae</i>	fruit	C A
<i>Laserpitium hispidum</i>	<i>Umbelliferae</i>	stem (peeled)	F
<i>Lathyrus sativus</i>	<i>Leguminosae</i>	herb	fodder
<i>Lathyrus sativus</i>	<i>Leguminosae</i>	seed	P (edible when cooked)
<i>Lathyrus tuberosa</i>	<i>Leguminosae</i>	tuber	F
<i>Laurocerasus officinalis</i>	<i>Rosaceae</i>	fruit	F
<i>Laurus nobilis</i>	<i>Lauraceae</i>	leaf	A C
<i>Laurus nobilis</i>	<i>Lauraceae</i>	seed	fixed oil
<i>Lavandula angustifolia</i>	<i>Labiatae</i>	stem (flowering)	M A O
<i>Lavandula stoechas</i>	<i>Labiatae</i>	stem (flowering)	M A
<i>Lawsonia inermis</i>	<i>Lythraceae</i>	flower	A
<i>Lawsonia inermis</i>	<i>Lythraceae</i>	leaf	D
<i>Lecokia cretica</i>	<i>Umbelliferae</i>	herb	P
<i>Lepidium latifolium</i>	<i>Cruciferae</i>	leaf	F
<i>Lepidium sativum</i>	<i>Cruciferae</i>	leaf	F
<i>Lepidium sativum</i> subsp. <i>sativum</i>	<i>Cruciferae</i>	leaf	F
<i>Lepidium sativum</i> subsp. <i>spinescens</i>	<i>Cruciferae</i>	leaf	F
<i>Lepidopa procera</i>		mushroom	F
<i>Lepiota castanea</i>		mushroom	P
<i>Lepiota excoriata</i>		mushroom	F
<i>Lepiota procera</i>		mushroom	F
<i>Leucojum aestivum</i>	<i>Amaryllidaceae</i>	tuber	P
<i>Lilium candidum</i>	<i>Liliaceae</i>	plant	O A
<i>Lilium ciliatum</i>	<i>Liliaceae</i>	plant	O
<i>Lilium martagon</i>	<i>Liliaceae</i>	plant	O
<i>Lilium monadelphum</i>	<i>Liliaceae</i>	plant	O
<i>Limonium meyeri</i>	<i>Plumbaginaceae</i>	root	D
<i>Linum usitatissimum</i>	<i>Linaceae</i>	seed	fixed oil
<i>Linus austriacum</i>	<i>Linaceae</i>	plant	P
<i>Liquidambar orientalis</i>	<i>Hamamelidaceae</i>	bark (balsam smeared)	A, incense
<i>Liquidambar orientalis</i>	<i>Hamamelidaceae</i>	balsam	M A
<i>Lolium temulentum</i>	<i>Graminae</i>	seed	P F (after boiled)
<i>Lonicera japonica</i>	<i>Caprifoliaceae</i>	plant	O

<i>Lotus corniculatus</i>	<i>Leguminosae</i>	plant	P
<i>Lupinus</i> sp.	<i>Leguminosae</i>	seed	P
<i>Lycopodium clavatum</i>	<i>Lycopodiaceae</i>	spore	M
<i>Lythrum salicaria</i>	<i>Lythraceae</i>	leaf	M
<i>Malabaila dasyantha</i>	<i>Umbelliferae</i>	root, fruit	F
<i>Malabaila secacul</i>	<i>Umbelliferae</i>	root	F
<i>Malus sylvestris</i> subsp. <i>orientalis</i>	<i>Rosaceae</i>	fruit	F
<i>Malva neglecta</i>	<i>Malvaceae</i>	herb	F
<i>Malva sylvestris</i>	<i>Malvaceae</i>	herb	F
<i>Mandragora autumnalis</i>	<i>Solanaceae</i>	fruit	A
<i>Mandragora autumnalis</i>	<i>Solanaceae</i>	root	M
<i>Marasmius oreades</i>		mushroom	F
<i>Marrubium vulgare</i>	<i>Labiatae</i>	herb	C
<i>Matricaria chamomilla</i>	<i>Compositae</i>	flower	M A
<i>Medicago orbicularis</i>	<i>Cruciferae</i>	fruit (young)	F
<i>Medicago sativa</i>	<i>Leguminosae</i>	herb	fodder
<i>Melilotus officinalis</i>	<i>Leguminosae</i>	flower	D
<i>Melissa officinalis</i>	<i>Labiatae</i>	herb	M A T Bee attractant
<i>Mentha</i> sp.	<i>Labiatae</i>	herb	C A M
<i>Mercurialis annua</i>	<i>Euphorbiaceae</i>	herb	P
<i>Merendera kurdica</i>	<i>Liliaceae</i>	tuber	M
<i>Mespilus germanica</i>	<i>Rosaceae</i>	fruit	F
<i>Michauxia campanuloides</i>	<i>Campanulaceae</i>	stem, root	F
<i>Michauxia tchihatchewii</i>	<i>Campanulaceae</i>	herb	F
<i>Micromeria fruticosa</i>	<i>Labiatae</i>	herb	M A C T
<i>Momordica charantia</i>	<i>Cucurbitaceae</i>	fruit	M
<i>Morchella conica</i>		mushroom	F
<i>Morchella deliciosa</i>		mushroom	F
<i>Morchella elata</i>		mushroom	F
<i>Morchella esculenta</i>		mushroom	F
<i>Morchella rotunda</i>		mushroom	F
<i>Morina persica</i>	<i>Morinaceae</i>	flower	T A
<i>Morus alba</i>	<i>Moraceae</i>	fruit	F
<i>Morus alba</i>	<i>Moraceae</i>	leaf	silk worm feed
<i>Morus nigra</i>	<i>Moraceae</i>	fruit	F
<i>Morus rubra</i>	<i>Moraceae</i>	fruit	F
<i>Muscari muscarimi</i>	<i>Liliaceae</i>	flower	A
<i>Myrtus communis</i>	<i>Myrtaceae</i>	leaf	C A
<i>Myrtus communis</i>	<i>Myrtaceae</i>	Fruit	F
<i>Narcissus poeticus</i>	<i>Amaryllidaceae</i>	plant	O
<i>Narcissus tazetta</i>	<i>Amaryllidaceae</i>	plant	A O
<i>Nasturtium officinale</i>	<i>Cruciferae</i>	leaf	F
<i>Nepeta caesarea</i>	<i>Labiatae</i>	plant	A B
<i>Nepeta italica</i>	<i>Labiatae</i>	leaf	T
<i>Nepeta racemosa</i>	<i>Labiatae</i>	leaf	C A
<i>Nerium oleander</i>	<i>Apocynaceae</i>	plant	P
<i>Nicotiana glauca</i>	<i>Solanaceae</i>	leaf	tobacco substitute, snuff
<i>Nicotiana rustica</i>	<i>Solanaceae</i>	leaf	snuff, chewing tobacco

<i>Nigella sativa</i>	<i>Ranunculaceae</i>	seed	A C fixed oil
<i>Nostoc</i> sp.	<i>Nostocaceae</i> (blue algae)	plant (appears on roofs after rains)	F
<i>Nymphaea alba</i>	<i>Nymphaeaceae</i>	plant	O
<i>Nymphaea lutea</i>	<i>Nymphaeaceae</i>	Plant	O
<i>Ocimum basilicum</i>	<i>Labiatae</i>	herb	C A T
<i>Oenanthe pimpinelloides</i>	<i>Umbelliferae</i>	leaf (rosette)	F
<i>Onobrychis argyrea</i> subsp. <i>argyrea</i>	<i>Leguminosae</i>	seed	F
<i>Onobrychis vicifolia</i>	<i>Leguminosae</i>	herb	fodder
<i>Ononis spinosa</i>	<i>Leguminosae</i>	root	M
<i>Onopordum acanthium</i>	<i>Compositae</i>	stem (peeled)	F
<i>Onopordum bracteatum</i>	<i>Compositae</i>	stem (peeled)	F
<i>Onopordum carduchorum</i>	<i>Compositae</i>	stem (peeled)	F
<i>Onopordum illyricum</i>	<i>Compositae</i>	stem (peeled)	F
<i>Onopordum tauricum</i>	<i>Compositae</i>	fruit	M
<i>Onosma sericeum</i>	<i>Boraginaceae</i>	leaf	M
<i>Opopanax hispidus</i>	<i>Umbelliferae</i>	leaf	F
<i>Opuntia ficus-indica</i>	<i>Cactaceae</i>	fruit	F
<i>Orchis</i> , <i>Ophrys</i> , <i>Platanthera</i> , <i>Dactylorhiza</i>	<i>Orchidaceae</i>	tuber	F
<i>Origanum</i> sp.	<i>Labiatae</i>	herb	C A T
<i>Ornithogalum narbonense</i>	<i>Liliaceae</i>	leaf	F
<i>Ornithogalum oligophyllum</i>	<i>Liliaceae</i>	leaf	F
<i>Orobanche minor</i>	<i>Orobanchaceae</i>	plant	V
<i>Orthurus heterocarpus</i>	<i>Rosaceae</i>	root	A, tea-additive
<i>Osmunda regalis</i>	<i>Osmundaceae</i>	root	M
<i>Ostrya carpinifolia</i>	<i>Betulaceae</i>	wood	used in making souvenirs
<i>Osyris alba</i>	<i>Santalaceae</i>	branch	broom
<i>Oxalis acetocella</i>	<i>Oxalidaceae</i>	herb	F
<i>Paeonia arborea</i>	<i>Paeoniaceae</i>	plant	O
<i>Paeonia mascula</i>	<i>Paeoniaceae</i>	young leaf	F
<i>Paliurus spina-christi</i>	<i>Rhamnaceae</i>	fruit	M
<i>Panaeolus</i> (3 spp.)		mushroom	P
<i>Pancratium maritimum</i>	<i>Amaryllidaceae</i>	flower	A
<i>Pancratium maritimum</i>	<i>Amaryllidaceae</i>	plant	O
<i>Pancratium maritimum</i>	<i>Amaryllidaceae</i>	bulb	P
<i>Panicum miliaceum</i>	<i>Graminae</i>	fruit	F
<i>Papaver dubium</i>	<i>Papaveraceae</i>	leaf, flower	F
<i>Papaver lacerum</i>	<i>Papaveraceae</i>	leaf, flower	F
<i>Papaver macrostomum</i>	<i>Papaveraceae</i>	flower bud, fruit (young)	F
<i>Papaver orientale</i>	<i>Papaveraceae</i>	flower bud, fruit (young)	F
<i>Papaver pseudoorientale</i>	<i>Papaveraceae</i>	flower bud, fruit (young)	F
<i>Papaver rhoeas</i>	<i>Papaveraceae</i>	leaf, flower	F
<i>Papaver somniferum</i>	<i>Papaveraceae</i>	leaf	F
<i>Papaver somniferum</i>	<i>Papaveraceae</i>	opium	M P
<i>Parietaria judaica</i>	<i>Urticaceae</i>	herb	M

<i>Parietaria officinalis</i>	<i>Urticaceae</i>	herb	M
<i>Paris incompleta</i>	<i>Liliaceae</i>	plant	P
<i>Pastinaca armena</i>	<i>Umbelliferae</i>	herb	F
<i>Pastinaca pimpinellifolia</i>	<i>Umbelliferae</i>	herb	F
<i>Pastinaca satia</i>	<i>Umbelliferae</i>	herb	F
<i>Paxillus involutus</i>		mushroom	P
<i>Peganum harmala</i>	<i>Zygophyllaceae</i>	fruit (dried)	burnt at home to ward off evil spirits
<i>Pelargonium endlicherianum</i>	<i>Geraniaceae</i>	flower (fresh)	M
<i>Periploca graeca</i>	<i>Asclepiadaceae</i>	plant	P
<i>Phalaris minor</i>	<i>Graminae</i>	fruit	bird-feed
<i>Phlomis bruguieri</i>	<i>Labiatae</i>	flower (petal)	F
<i>Phlomis lunariifolia</i>	<i>Labiatae</i>	leaf	T
<i>Phlomis lycica</i>	<i>Labiatae</i>	leaf	F
<i>Phoenix canariensis</i>	<i>Araceae</i>	plant	O
<i>Phoenix dactylifera</i>	<i>Palmae</i>	plant	O
<i>Pholiota mutabilis</i>		mushroom	F
<i>Physalis alkekengi</i>	<i>Solanaceae</i>	fruit	M
<i>Phytolacca americana</i>	<i>Phytolaccaceae</i>	fruit	D
<i>Pimpinella anisum</i>	<i>Umbelliferae</i>	fruit	A M C
<i>Pimpinella aromatica</i>	<i>Umbelliferae</i>	herb	A, broom
<i>Pimpinella tragiun</i>	<i>Umbelliferae</i>	herb	A, broom
<i>Pinus pinea</i>	<i>Pinaceae</i>	seed	F
<i>Pistacia atlantica</i>	<i>Anacardiaceae</i>	shoot (young)	F
<i>Pistacia khinjuk</i>	<i>Anacardiaceae</i>	seed	F fixed-oil used for making soap
<i>Pistacia lentiscus</i> var. <i>chia</i>	<i>Anacardiaceae</i>	gum	A F
<i>Pistacia terebinthus</i>	<i>Anacardiaceae</i>	gall	D
<i>Pistacia terebinthus</i>	<i>Anacardiaceae</i>	Shoot (young)	F
<i>Pistacia terebinthus</i>	<i>Anacardiaceae</i>	fruit	F (roasted and ground to make coffee)
<i>Pistacia terebinthus</i> subsp. <i>palaestina</i>	<i>Anacardiaceae</i>	leaf, branch	D
<i>Pistacia terebinthus</i> subsp. <i>palaestina</i>	<i>Anacardiaceae</i>	fruit	F (coffee)
<i>Pistacia vera</i>	<i>Anacardiaceae</i>	fruit	F
<i>Plantago integrimedia</i>	<i>Plantaginaceae</i>	leaf	F
<i>Plantago major</i>	<i>Plantaginaceae</i>	leaf	F
<i>Plantago psyllium</i>	<i>Plantaginaceae</i>	seed	M
<i>Pleurotus cornucopine</i>		mushroom	F
<i>Pleurotus eryngii</i>		mushroom	F
<i>Pleurotus ostreatus</i>		mushroom	F
<i>Plumbago europea</i>	<i>Plumbaginaceae</i>	plant	D
<i>Polygala vulgaris</i>	<i>Polygalaceae</i>	herb	M
<i>Polygonatum multiflorum</i>	<i>Liliaceae</i>	rhizome	M
<i>Polygonatum orientale</i>	<i>Liliaceae</i>	rhizome	M
<i>Polygonum alpinum</i>	<i>Polygonaceae</i>	herb	F
<i>Polygonum aviculare</i>	<i>Polygonaceae</i>	herb	D
<i>Polygonum bellardii</i>	<i>Polygonaceae</i>	plant	D (yellow)

<i>Polygonum bistorta</i>	<i>Polygonaceae</i>	root	M
<i>Polygonum cognatum</i>	<i>Polygonaceae</i>	herb	F
<i>Polygonum lapathifolium</i>	<i>Polygonaceae</i>	stem (leafy)	F
<i>Polyporus fomentarius</i>		mushroom	used as tinder
<i>Polyporus ovinus</i>		mushroom	F
<i>Polyporus squamosus</i>		mushroom	F
<i>Portulaca oleracea</i>	<i>Portulacaceae</i>	herb	F
<i>Prangos pabularia</i>	<i>Umbelliferae</i>	fruit	A M C
<i>Prangos platychlaeana</i>	<i>Umbelliferae</i>	root (oleoresin)	M V
<i>Primula</i> sp.	<i>Primulaceae</i>	plant	M O
<i>Prosopis farcta</i>	<i>Leguminosae</i>	fruit	F fodder
<i>Prunus divaricata</i>	<i>Rosaceae</i>	fruit	F
<i>Prunus spinosa</i>	<i>Rosaceae</i>	seed	beads
<i>Prunus spinosa</i>	<i>Rosaceae</i>	fruit	F
<i>Prunus spinosa</i> subsp. <i>dasphylla</i>	<i>Rosaceae</i>	fruit	F
<i>Psilocybe</i> (14 spp.)		mushroom	P
<i>Psilocybe semilenceata</i>		mushroom	P
<i>Pteridium aquilinum</i>	<i>Hypolepidaceae</i>	herb	fodder
<i>Puschkinia scilloides</i>	<i>Liliaceae</i>	leaf	F
<i>Pyracantha coccinea</i>	<i>Rosaceae</i>	fruit	F
<i>Pyrus elaeagnifolia</i>	<i>Rosaceae</i>	Fruit	F
<i>Quercus</i> spp.	<i>Fagaceae</i>	manna	F
<i>Quercus</i> spp.	<i>Fagaceae</i>	fruit	F
<i>Ranunculu ficaria</i>	<i>Ranunculaceae</i>	tuber	F M
<i>Ranunculus</i> <i>polyanthemos</i>	<i>Ranunculaceae</i>	herb	F
<i>Raphanus raphanistrum</i>	<i>Cruciferae</i>	leaf, flower	F
<i>Reseda luteola</i>	<i>Resedaceae</i>	flower	D
<i>Rhamnus alaternus</i>	<i>Rhamnaceae</i>	fruit and bark	M
<i>Rhamnus catharticus</i>	<i>Rhamnaceae</i>	fruit	M
<i>Rhamnus orbiculatus</i>	<i>Rhamnaceae</i>	fruit	D (yellow)
<i>Rhamnus petiolaris</i>	<i>Rhamnaceae</i>	fruit	D (yellow)
<i>Rheum ribes</i>	<i>Polygonaceae</i>	stem (peeled)	F
<i>Rhododendron ponticum</i>	<i>Ericaceae</i>	plant	P
<i>Rhus coriaria</i>	<i>Anacardiaceae</i>	fruit	C A
<i>Rhus coriaria</i>	<i>Anacardiaceae</i>	leaf	M, tanning material
<i>Ribes orientale</i>	<i>Grossulariaceae</i>	fruit	F
<i>Ribes rubrum</i>	<i>Grossulariaceae</i>	fruit	F
<i>Ribes uva-crispa</i>	<i>Grossulariaceae</i>	fruit	F
<i>Ricinus communis</i>	<i>Euphorbiaceae</i>	seed	M P, fixed oil
<i>Rosa canina</i> and other <i>Rosa</i> spp.	<i>Rosaceae</i>	Fruit	F
<i>Rosa damascena</i>	<i>Rosaceae</i>	flower	F A
<i>Rosmarinus officinalis</i>	<i>Labiatae</i>	leaf	A M
<i>Rubia tinctorum</i>	<i>Rubiaceae</i>	root	D (red)
<i>Rubus canescens</i>	<i>Rosaceae</i>	root	M
<i>Rubus idaeus</i>	<i>Rosaceae</i>	fruit	F
<i>Rubus sanctus</i>	<i>Rosaceae</i>	root	M
<i>Rubus saxatilis</i>	<i>Roseaceae</i>	fruit	F
<i>Rubus</i> spp.	<i>Rosaceae</i>	fruit	F

<i>Rumex acetosella</i>	<i>Polygonaceae</i>	leaf	F
<i>Rumex alpinus</i>	<i>Polygonaceae</i>	leaf stalk	F
<i>Rumex chalepensis</i>	<i>Polygonaceae</i>	root	D (black)
<i>Rumex chalepensis</i>	<i>Polygonaceae</i>	leaf	F
<i>Rumex crispus</i>	<i>Polygonaceae</i>	herb	F
<i>Rumex olympicus</i>	<i>Polygonaceae</i>	leaf	F
<i>Rumex pulcher</i>	<i>Polygonaceae</i>	root	M
<i>Rumex tuberosus</i>	<i>Polygonaceae</i>	leaf	F
<i>Ruscus aculeatus</i>	<i>Liliaceae</i>	shoot	F
<i>Ruscus aculeatus</i>	<i>Liliaceae</i>	root	M
<i>Ruscus colchicus</i>	<i>Liliaceae</i>	branch (leafy)	F
<i>Ruscus hypoglossum</i>	<i>Liliaceae</i>	root	M
<i>Russula chloroides</i>	<i>Russulaceae</i>	mushroom	F
<i>Russula cyanoxantha</i>	<i>Russulaceae</i>	mushroom	F
<i>Russula lutea</i>	<i>Russulaceae</i>	mushroom	F
<i>Russula virescens</i>	<i>Russulaceae</i>	mushroom	F
<i>Russula xerampelina</i>	<i>Russulaceae</i>	mushroom	F
<i>Ruta chalepensis</i>	<i>Rutaceae</i>	herb	A
<i>Ruta montana</i>	<i>Rutaceae</i>	herb	A
<i>Salicornia europaea</i>	<i>Chenopodiaceae</i>	herb	F
<i>Salvia aucheri</i> var. <i>canescens</i>	<i>Labiatae</i>	leaf	A T
<i>Salvia cryptantha</i>	<i>Labiatae</i>	leaf	D A
<i>Salvia forskahlei</i>	<i>Labiatae</i>	leaf	F
<i>Salvia fruticosa</i>	<i>Labiatae</i>	leaf	A.T
<i>Salvia nemorosa</i>	<i>Labiatae</i>	herb	D
<i>Salvia</i> spp.	<i>Labiatae</i>	root	D
<i>Salvia</i> spp.	<i>Labiatae</i>	leaf	T A
<i>Salvia straminea</i>	<i>Labiatae</i>	leaf	F
<i>Salvia tomentosa</i>	<i>Labiatae</i>	leaf	A.T
<i>Sambucus ebulus</i>	<i>Caprifoliaceae</i>	fruit	F
<i>Sambucus nigra</i>	<i>Caprifoliaceae</i>	fruit	F
<i>Sanguisorba officinalis</i>	<i>Rosaceae</i>	herb	M
<i>Saponaria officinalis</i>	<i>Caryophyllaceae</i>	herb	M, detergent
<i>Sarcopoterium spinosum</i>	<i>Rosaceae</i>	root	M
<i>Satureja cuneifolia</i>	<i>Labiatae</i>	herb	C A
<i>Satureja hortensis</i>	<i>Labiatae</i>	herb	C A
<i>Satureja parnassica</i>	<i>Labiatae</i>	herb	C A
<i>Satureja spicigera</i>	<i>Labiatae</i>	herb	C A
<i>Satureja thymbra</i>	<i>Labiatae</i>	herb	C A
<i>Scabiosa argentea</i>	<i>Dipsacaceae</i>	herb	M
<i>Scabiosa columbaria</i>	<i>Dipsacaceae</i>	herb	M
<i>Scandix pecten-veneris</i>	<i>Umbelliferae</i>	herb	F
<i>Schinus molle</i>	<i>Anacardiaceae</i>	fruit	A C
<i>Scilla hyacinthoides</i>	<i>Liliaceae</i>	bulb	M
<i>Scolopendrium officinale</i>	<i>Aspleniaceae</i>	rhizome	M
<i>Scolymus hispanicus</i>	<i>Compositae</i>	rootbark	FM
<i>Scorzonera, Tragopogon</i>	<i>Compositae</i>	root (young)	F
<i>Scorzonera hispanica</i>	<i>Compositae</i>	root	F
<i>Scorzonera mollis</i>	<i>Compositae</i>	rhizome (inner part)	F
<i>Scorzonera semicana</i>	<i>Compositae</i>	root	F

<i>Scorzonera suberosa</i>	<i>Compositae</i>	rhizome (inner part)	F
<i>Scorzonera sublanata</i>	<i>Compositae</i>	root latex	gum
<i>Sedum sempervivoides</i>	<i>Crassulaceae</i>	plant	live plant hung upside down for good fortune
<i>Sedum</i> spp.	<i>Crassulaceae</i>	leaf	F
<i>Sedum spurium</i>	<i>Crassulaceae</i>	leaf	F
<i>Sedum telephium</i> subsp. <i>maximum</i>	<i>Crassulaceae</i>	leaf	F
<i>Sempervivum armenum</i>	<i>Crassulaceae</i>	leaf	F
<i>Serapias</i> spp.	<i>Orchidaceae</i>	tuber	F
<i>Seseli libanotis</i>	<i>Umbelliferae</i>	herb	F
<i>Setaria italica</i>	<i>Graminae</i>	fruit	F
<i>Sideritis</i> sp.	<i>Labiatae</i>	herb	M T
<i>Silene alba</i> subsp. <i>divaricata</i>	<i>Caryophyllaceae</i>	herb	F
<i>Silene inflata</i>	<i>Caryophyllaceae</i>	herb	F
<i>Silene vulgaris</i>	<i>Caryophyllaceae</i>	herb	F
<i>Silybum marianum</i>	<i>Compositae</i>	stem (peeled), shoot (young)	F
<i>Sinapis arvensis</i>	<i>Cruciferae</i>	herb	F
<i>Sium sisarum</i> var. <i>lancifolium</i>	<i>Umbelliferae</i>	leaf	F
<i>Smilax aspera</i>	<i>Liliaceae</i>	seed coat	chewing gum softener
<i>Smilax aspera</i>	<i>Liliaceae</i>	shoot (young)	F
<i>Smilax excelsa</i>	<i>Liliaceae</i>	seed coat	chewing gum softener
<i>Smilax excelsa</i>	<i>Liliaceae</i>	shoot (young)	F
<i>Smyrniium conuatum</i>	<i>Umbelliferae</i>	root	F
<i>Smyrniium olusatrum</i>	<i>Umbelliferae</i>	herb	O (used by florists)
<i>Solanum dulcamara</i>	<i>Solanaceae</i>	plant	P
<i>Solanum nigrum</i>	<i>Solanaceae</i>	leaf	F
<i>Sonchus asper</i> subsp. <i>glaucescens</i>	<i>Compositae</i>	leaf (rosette)	F
<i>Sonchus oleraceus</i>	<i>Compositae</i>	leaf (rosette)	F
<i>Sorbus aucuparia</i>	<i>Rosaceae</i>	fruit	F
<i>Sorbus domestica</i>	<i>Rosaceae</i>	fruit	F
<i>Sorghum bicolor</i>	<i>Graminae</i>	fruit	F
<i>Sorghum halepense</i>	<i>Graminae</i>	herb	P
<i>Spartium junceum</i>	<i>Leguminosae</i>	flower	A
<i>Spartium junceum</i>	<i>Leguminosae</i>	seed	P
<i>Stellaria media</i>	<i>Caryophyllaceae</i>	herb	F
<i>Sternbergia</i> sp.	<i>Amaryllidaceae</i>	plant	O
<i>Stipa hohenackeriana</i> subsp. <i>hohenackeriana</i>	<i>Graminae</i>	spike	O
<i>Strophoria</i> (2 sp.)		mushroom	P
<i>Styrax officinalis</i>	<i>Styracaceae</i>	seed	oil, beads
<i>Symphytum officinale</i>	<i>Boraginaceae</i>	leaf	M
<i>Syringa vulgaris</i>	<i>Oleaceae</i>	plant	O A

<i>Tamus communis</i> subsp. <i>cretica</i>	<i>Dioscoreaceae</i>	shoot (young)	F
<i>Tanacetum balsamita</i>	<i>Compositae</i>	stem (flowering)	M
<i>Tanacetum coccineum</i>	<i>Compositae</i>	flower	I
<i>Tanacetum parthenium</i>	<i>Compositae</i>	leaf	M
<i>Tanacetum vulgare</i>	<i>Compositae</i>	herb	M
<i>Taraxacum</i> sp.	<i>Compositae</i>	leaf (rosette)	F
<i>Taxus baccata</i>	<i>Taxaceae</i>	plant	P M
<i>Tchihatchewia isatidea</i>	<i>Cruciferae</i>	flower	D
<i>Telekia speciosa</i>	<i>Compositae</i>	flower	D
<i>Terfezia leonis</i>		mushroom	F
<i>Teucrium chamaedrys</i>	<i>Labiatae</i>	herb	M T
<i>Teucrium polium</i>	<i>Labiatae</i>	herb	M
<i>Teucrium scordium</i>	<i>Labiatae</i>	herb	M
<i>Theligonum cynocrambe</i>	<i>Cynocrabaceae</i>	herb	F
<i>Thymbra spicata</i>	<i>Labiatae</i>	herb	C A M
<i>Thymus pulegioides</i>	<i>Labiatae</i>	herb	A B T
<i>Tilia argentea</i>	<i>Tiliaceae</i>	flower	T M
<i>Tilia platyphyllos</i>	<i>Tiliaceae</i>	flower	T M
<i>Tilia rubra</i> subsp. <i>caucasica</i>	<i>Tiliaceae</i>	flower	T M
<i>Trachyspermum ammi</i>	<i>Umbelliferae</i>	fruit	A M
<i>Trachystemon orientale</i>	<i>Boraginaceae</i>	stem (flowering)	F
<i>Trapa natans</i>	<i>Trapaceae</i>	seed	F
<i>Tricholoma albobrunneum</i>		mushroom	P
<i>Tricholoma equestre</i>		mushroom	F
<i>Tricholoma georgia</i>		mushroom	F
<i>Tricholoma nudum</i>		mushroom	F
<i>Tricholoma pardinum</i>		mushroom	P
<i>Tricholoma sulphureum</i>		mushroom	P
<i>Tricholoma terreum</i>		mushroom	F
<i>Tricholoma tigrinum</i>		mushroom	F
<i>Trifolium ambiguum</i>	<i>Leguminosae</i>	flower	F
<i>Trifolium pratense</i>	<i>Leguminosae</i>	flower	F
<i>Trifolium repens</i>	<i>Leguminosae</i>	herb (cult.)	fodder
<i>Trigonella foenum-graecum</i>	<i>Leguminosae</i>	seed	A C
<i>Trollius ranunculinus</i>	<i>Ranunculaceae</i>	root	D
<i>Tuber melanosporum</i>		mushroom	F
<i>Tulipa</i> sp.	<i>Liliaceae</i>	plant	O
<i>Tussilago farfara</i>	<i>Compositae</i>	leaf	F M
<i>Typha domingensis</i>	<i>Typhaceae</i>	plant	rush mat , pack-saddle
<i>Urginea maritima</i>	<i>Liliaceae</i>	bulb	M P
<i>Urtica dioica</i>	<i>Urticaceae</i>	herb	F
<i>Urtica pilulifera</i>	<i>Urticaceae</i>	herb	F
<i>Urtica urens</i>	<i>Urticaceae</i>	herb	F
<i>Vaccinium arctostaphylos</i>	<i>Ericaceae</i>	Fruit	F
<i>Vaccinium arctostaphylos</i>	<i>Ericaceae</i>	leaf	T
<i>Vaccinium myrtillus</i>	<i>Ericaceae</i>	fruit	F
<i>Valeriana officinalis</i>	<i>Valerianaceae</i>	root	M
<i>Veratrum album</i>	<i>Liliaceae</i>	root	V P

<i>Verbascum densiflorum</i>	<i>Scrophulariaceae</i>	flower	M
<i>Verbascum glomerulosum</i>	<i>Scrophulariaceae</i>	seed	fish poison
<i>Verbascum sinuatum</i>	<i>Scrophulariaceae</i>	seed	fish poison
<i>Verbascum sp.</i>	<i>Scrophulariaceae</i>	flower	M D(yellow)
<i>Verbascum thapsus</i>	<i>Scrophulariaceae</i>	flower	M
<i>Viburnum lantana</i>	<i>Caprifoliaceae</i>	branch	cigarette holder
<i>Viburnum opulus</i>	<i>Caprifoliaceae</i>	fruit	F
<i>Viburnum opulus var. sterilis</i>	<i>Caprifoliaceae</i>	plant	O
<i>Viburnum tinus</i>	<i>Caprifoliaceae</i>	plant	O
<i>Vicia sativa</i>	<i>Leguminosae</i>	seed	F
<i>Vigna unguiculata</i>	<i>Leguminosae</i>	seed (cult.)	F (ingredient of fava)
<i>Viola odorata</i>	<i>Violaceae</i>	plant	O
<i>Viola tricolor</i>	<i>Violaceae</i>	plant	O
<i>Viscum album</i>	<i>Loranthaceae</i>	fruit	bird trap
<i>Vitex agnus-castus</i>	<i>Verbenaceae</i>	root	D
<i>Vitex agnus-castus</i>	<i>Verbenaceae</i>	fruit	M
<i>Withania somnifera</i>	<i>Solanaceae</i>	plant	P
<i>Xeranthemum coronarium</i>	<i>Compositae</i>	herb	broom
<i>Ziziphora sp.</i>	<i>Labiatae</i>	herb	A T
<i>Zizyphus jujuba</i>	<i>Rhamnaceae</i>	fruit	F
<i>Zizyphus lotus</i>	<i>Rhamnaceae</i>	fruit	F
<i>Zosima absinthifolia</i>	<i>Umbelliferae</i>	leaf (bottom)	F

F: Food, Edible, M: Medicinal, P: Poisonous, A: Aromatic, D: Dye, T: Tea, B: Bee attractant, O: Ornamental, V: Veterinary. C: Condiment, Spice