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## EXTRACT

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### CULTIVATED FOOD PLANTS.

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MANKIND as an agency in the modification of species through the conscious or unconscious selection coincident with the necessity for vegetable food, and the occupation of the same areas, has, as yet, received little attention from investigators. And yet, when we note the extent of the variation produced by man in domesticated species of plants, we cannot but suspect that his influence has been exerted to a greater or less extent from the beginnings of his history. In the narratives of explorers and early discoverers we find evidence that the aborigines of nearly every country have cultivated or protected certain food plants, even those peoples classed as but slightly civilized, as for example, the indigenes of Australia. It is difficult to conceive of man as existing without influencing the vegetable productions of his region, whether directly through forethought, or indirectly through changing the physical aspect of the habitat, or through the destruction of individual plants gathered for use or destroyed through other means.

The influence of man in the distribution of plant species has received a greater or less attention from botanists, as is evidenced by the notes in local floras, lists of ballast plants, etc., in our periodicals, and in the more formal works on the geographical distribution of plants; the influence of man in the destruction of plants is recognized partially, as evidenced by the complaints of the disappearance of certain plants from limited habitats through the eagerness of plant collectors, and in more formal works on forestry and kindred subjects; the influence of man in modifying certain plants finds recognition in the writings of Darwin and his followers; and yet what has already been accomplished but portrays the stronger the poverty of our information. We seem to know more concerning the effect from insect modification, and yet we must believe that correlative disturbance is as marked in one case as in the other, although perhaps in a different direction.

The study of variation as dependent upon man's agency is a fascinating one, but before it can be successfully carried out, much preliminary work is to be done. We must separate our botanical species into three lists, at the least: the one including the strictly wild plants; another the escapes from cultivation; the third, those plants which are or have been cultivated or domesticated. Observation should then be made upon the limits of variation, with the probable causes, in the plants of these lists. This study will undoubtedly lead us to separate the observed variations into two classes: first, those beneficial to the plant; second, those which are not or have not been useful to the plant. These latter variations

we may assume provisionally are the effect of man's interference, while the former are true co-relationships with the plant's needs.

If this proposition is correctly founded, it will follow that all variations of a nature beneficial to man and not especially beneficial to the purposes of the feral plant, found existing in a so-called wild plant, will point unmistakably to a modifying influence, at some period of the plant's history, through the influence of man.

As a contribution to the preparatory material for such a study as is here outlined, I present a list of the esculent plants which are recorded as cultivated, or are known to me to be cultivated. I do this the more willingly, as, to the best of my information, no such list is to be found upon record. In some cases I have preferred not to unite synonyms, as the specific name applies to a form sufficiently well established for economic purposes, although not considered as genetically distinct. This list can, however, by no means be regarded as complete.

### LIST OF CULTIVATED FOOD PLANTS.

<i>Abelmoschus esculentus</i> , W. et A., Okra.		
<i>Acer saccharinum</i> , Wang	N. Am.	Sap.
<i>Achras dissecta</i> , L	Malabar	Fruit.
<i>mammosa</i> , L	W. Indies, etc	"
<i>sapota</i> , L	"	"
<i>Adansonia digitata</i> , L	Africa	Fruit. Leaves.
<i>Aegle marmelos</i> , Corr	Egypt	Fruit.
<i>Agaricus campestris</i> , L., Mushroom.		
<i>Agave Americana</i> L	Mexico	Sap.
<i>Aleuritis triloba</i> Forst	Tropics	Fruit.
<i>Allium ascalonicum</i> L., Shallots.		
<i>ampeloprasum</i> , Garlic.		
<i>Babingtonii</i> Bon	England	Bulb.
<i>cepa</i> , L., Onion.		
<i>fistulosum</i> , L., Welsh Onion.		
<i>Iusitanicum</i> Lamk	France	Bulb.
<i>obliquum</i>	Siberia	"
<i>porrum</i> , L., Leek.		
<i>sativum</i> , L., Garlic.		
<i>schœnoprasum</i> , L., Chives.		
<i>scorodoprasum</i> , L., Rocambole.		
<i>Alpinia officinarum</i> , Hance	China	Root.
<i>Althœa ficifolia</i> , Forsk	Egypt	Leaves.
<i>officinalis</i> , L., Marsh-mallow.		
<i>Amarantus albus</i> , Hort	England	Foliage.
<i>anardana</i> , Wall	India.	
<i>caudatus</i>	Japan.	
<i>frumentaceus</i> , Roxb	India	Seed.
<i>gangeticus</i>	"	Foliage.
<i>mangostanus</i>	Japan.	
<i>melancholicus</i>	"	
<i>oleraceus</i> , L	India	Foliage.
<i>paniculatus</i> , L	"	Seed.
<i>polygamus</i> , L	"	Foliage.
<i>polygonoides</i> , Roxb	"	"
<i>polystachyus</i> , Bl	"	"
<i>retroflexus</i> , L	Arizona Indians	Seed.
<i>spinosus</i> , L	West Indies	Foliage.
<i>tristis</i> , L	India	"
<i>Amelanchier Canadensis</i> , var. <i>oblongifolia</i>		
Gray	U. S.	Fruit.
<i>vulgaris</i> , Moench	England	"

<i>Amomum maximum</i> , Roxb.	Java	Fruit.
<i>miogo</i> , Thunb.	Japan	Root.
<i>Amorphophallus campanulatus</i> , Bl.	Asia	"
Konjak, C. Koch.	Japan	"
<i>Amphicarpæa monoica</i> Nutt.	Southern States	Fruit.
(Porcher the authority.)		
<i>Amygdalus communis</i> , L.		Almond.
<i>Persica</i> , L.		Peach.
<i>Anacardium occidentale</i> , L.	India, S. Am., etc.	Fruit.
<i>Ananassa sativa</i> , Lind., Pine-apple.		
<i>Andropogon schœnanthus</i> , L.	China, etc.	Foliage.
<i>Anethum graveolens</i> , L., Dill.		
<i>Angelica archangelica</i> , L., Angelica.		
<i>Anona asiatica</i> , L.	So. Asia	Fruit.
<i>cherimolia</i> , Lam.	So. Am., etc.	"
<i>mucosa</i> , Jacq.	Moluccas	"
<i>muricata</i> , L.	Tropics	"
<i>obtusifolia</i> , Tuss.	St. Domingo	"
<i>reticulata</i> , L.	So. Asia, etc.	"
<i>squamosa</i> , L.	Tropics	"
<i>Artemisia nobilis</i> , L., Chamomile.		
<i>Apium graveolens</i> , L., Celery.		
<i>petroselinum</i> , L., Parsley.		
<i>Arachis hypogœa</i> , L., Peanut.		
<i>Aralia edulis</i> Sieb.	Japan	Root Stalks.
<i>Araucaria Bidwilli</i> , Hook.	Australia	Seed
<i>Areca catechu</i> , L.	So. Asia	Seed.
<i>Armeniaca vulgaris</i> , Lam, Apricot.		
<i>Arracacha esculenta</i> , D. C.	So. Am.	Tuber.
<i>Artemisia abrotanum</i> , L.	China, etc.	Leaves.
<i>absinthium</i> , L. Wormwood.		
<i>dracunculus</i> , L. Tarragon.		
<i>maritima</i> .	Europe, Am., etc.	Leaves.
<i>pontica</i> , L.	" "	"
<i>Artocarpus Braziliensis</i> , Gom.	Brazil	Fruit.
<i>heterophylla</i> , Lam.	Mascarene Is.	"
<i>incisa</i> , L.	Tropics	"
<i>integrifolia</i> , L.	"	"
<i>Arum Canariense</i>	Guernsey	Root.
<i>cordifolium</i>	Pacific Is.	"
<i>costatum</i> .	"	"
<i>Indicum</i> Lour.	Cochin, China	Stalk.
<i>macrorhizon</i> , L.	New Caledonia	Root.
<i>sagittifolium</i>	Jamaica	Foliage.
<i>Asparagus officinalis</i> , L., Asparagus.		
<i>Asperula odorata</i> , L., Woodruff.		
<i>Astragalus boeticus</i> , L.	Hungary	Seed.
<i>Atriplex hortensis</i> , L., Orach.		
<i>Avena brevis</i> , Lind.	} Oats.	
<i>nuda</i> , L.		
<i>orientalis</i> , L.		
<i>sativa</i> , L.		
<i>strigosa</i>		
<i>Avverrhoa bilimbi</i> , L.	India	Fruit.
<i>carambola</i> , L.	"	"
<i>Balsamita vulgaris</i> Willd. Costmary.		
<i>Bambusa</i> Sp.	China	Young Shoots.
<i>Barbarea præcox</i> , R. Br.	} Winter cresses.	
<i>vulgaris</i> , R. Br.		
<i>Basella alba</i> , L.	France	Foliage.
<i>cordifolia</i> , Lam.	India	"
<i>nigra</i>	China	"
<i>rubra</i> , L.	India, etc.	"
<i>tuberosa</i> , H. B.	Peru	Tuber.
<i>Batatas betacea</i> , Bot. Reg.	India	"
<i>edulis</i> , Choisy, Sweet Potato.		

Batatas paniculata, Choisy	Africa	Tuber.
Benincasa cerifera Savi	Asia, etc	Fruit.
Berberis dulcis Don	England	"
vulgaris, L. Barberr.		
Bergera Koenigii, L	Asia, etc	Leaves.
Beta Braziiliensis	Europe	Leaf stalks.
cicla, L., Chard.		
maritima	England	Foliage.
vulgaris, L., Beet.		
Bixa orellana, L	West Indies, etc.	Fruit.
Blighia sapida Konig	"	"
Blitum capitatum, L.	}	Blite.
virgatum, L.		
Boletus edulis, Berk.		
Borago officinalis, L., Borage.		
Borassus æthiopicus, Mart	Africa	Young shoots.
flabelliformis, L.	India	Fruit, etc.
Brassica campestris, L., Ruta бага.		
Chinensis, L., Chinese Cabbage.		
eruca, L., Roquette.		
napus, L., Turnip. Rape.		
oleracea, L	Europe	Wild Cabbage.
oleracea, L., var	}	Brocoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Kohl-rabi, Portugal Cab- bage, Savoy Cabbage, etc.
præcox, D. C., Navette d'ete.		
rapa, L., Turnip.		
Buphthalmum oleraceum, Lour	China, etc	Foliage (?).
Cajanus bicolor, D. C.	East Indies	Seed.
flavus, D. C.	West Indies	"
Caladium nymphaefolium, Vent	Madeira	Root.
Calendula officinalis, L., Pot marigold.		
Camelina sativa, Crantz	Europe	Seed.
Camellia oleifera	So. China	"
Campanula rapunculus, L.	Europe	Root.
trachelium, L	"	"
Canarium commune, L	Moluccas	Fruit.
Canavalia gladiata, D. C.	So. Asia	Seed.
Canna allouya, Lind	West Indies	Root.
arundinacea, L	"	"
edulis, Edwards	Australia	"
Indica, Tussac	Jamaica	"
ramosissima	East Indies	"
Cannabis sativa, L., Hemp.		
Capparis spinosa, L., Caper.		
Capsicum annuum, Willd.	}	Peppers.
baccatum, L		
cerasiforme, L		
cordiforme, Mill		
fastigiatum, Bl		
frutescens, L		
grossum, Willd		
longum, D. C.		
nepalense, Drury		
tetragonum		
violaceum, Humb		
Cardamine pratense, L	Europe	Foliage.
Cardiospermum halicacabum, L.	Burmah	Leaves.
Carduus marianus, L	Europe	Foliage.
Carica papaya, L.	Tropics	Fruit.
Carum Carui, L., Caraway.		
Carya alba, Nutt	Am. Indians	Fruit.
oliviformis, Nutt.	So. Carolina	"
Caryocar butryosum, Willd	So. America	"
nuciferum, L.	"	"

<i>Caryophyllus aromaticus</i> , L.	So. Asia	Flower-buds.
<i>Casimiroa edulis</i>	Mexico	Fruit.
<i>Cassia fistula</i> , L.	Egypt, etc.	
<i>Castanea vesca</i> , Willd	Europe, etc.	Fruit.
<i>Catha edulis</i> , Forsk	Abyssinia.	Leaves.
<i>Centranthus macrosiphon</i>	France	Foliage.
<i>rubra</i> , D C	Italy	"
<i>Cerasus avium</i> , D C	} Cherries.	
<i>caproniana</i> , D C		
<i>chamæcerasus</i> , Pers.		
<i>duracina</i> , D C		
<i>vulgaris</i> , Mill.		
<i>Ceratonia siliqua</i> , L.	Africa	Pods.
<i>Chærophyllum bulbosum</i> , L., Chervil		
<i>Chamærops stauracantha</i>	Antilles ?	Fruit.
<i>Chavica Roxburghii</i> , Mig	India	"
<i>Chenopodium auricomum</i> , Lind	England	Foliage.
<i>Bonus-Henricus</i> , L.	Europe	"
<i>Quinoa</i> , L.	Peru	Seed.
<i>Chrysobalanus icaco</i> , L.	So. Am	Fruit.
<i>Chrysophyllum cainito</i> , L.	Antilles	"
<i>Cicca disticha</i> , L.	India	"
<i>Cicer arietinum</i> , L.	Europe, Asia.	Seed.
<i>Cichorium endivia</i> , L., Endive.		
<i>divaricatum</i> , Schous		
<i>intybus</i> , L., Chicory.		
<i>Cinnamomum cassia</i>	So. Asia	Bark.
<i>Zeylanicum Breyne</i>	"	"
<i>Citrullus colocynthis</i> , Schröd	India	Fruit.
<i>vulgaris</i> , Schr, Water-melon.		
<i>Citrus acidissima</i> Meyer, Acid Lime.		
<i>aurantium</i> , R. et P., Sweet Orange.		
<i>bergamia</i> , R. et P., Bergamot.		
<i>bigaradia</i> , R. et P., Bitter Orange.		
<i>decumana</i> R. et P., Shaddock.		
<i>Japonica</i> Thunb	China, Japan, etc.	Fruit.
<i>Javanica</i> , Bl.	Java	"
<i>Limetta</i> , R. et P., Sweet Lime.		
<i>Limonium</i> , R. et P., Lemon.		
<i>Lumia</i> , R. et P., Sweet Lemon.		
<i>margarita</i> , Lour	China	Fruit.
<i>medica</i> , R. et P., Citron.		
<i>nobilis</i> , Lour, Mandarin Orange.		
<i>sarcodactylus</i>	China.	
<i>Claytonia perfoliata</i> , Don	Europe	Foliage.
<i>Cochlearia armoracia</i> , L., Horse-radish.		
<i>officinalis</i> , L., Scurvy Grass.		
<i>Cocos nucifera</i> , L.	Tropics	Seed.
<i>Coffea angustifolia</i>	} Coffee.	
<i>Arabica</i> , L.		
<i>Benghalensis</i> , Roxb.		
<i>Liberica</i> , Hiern		
<i>Cola acuminata</i> , R. Br.	Tropics	Seed.
<i>Coleus barbatus</i>	India	Root.
<i>Colocasia antiquorum</i> , Schott.	Tropics	Leaves.
<i>Commelyna polygama</i>	China	Foliage.
<i>tuberosa</i> , Lour.	"	Tuber.
<i>Convolvulus chrysorrhizus</i> , Solan.	Pacific Isles	"
<i>platanifolius</i> , Vahl	So. America	"
<i>reptans</i>	China	Leaves.
<i>Cookia punctata</i> , Retz	Antilles	Fruit.
<i>Corchorus capsularis</i> , L.	Egypt.	Leaves.
<i>olitorius</i> , L.	"	"
<i>procumbens</i>	Mauritius	"
<i>Coriandrum sativum</i> , L., Coriander.		
<i>Cornus mascula</i> , L'Her.	Europe	Fruit.
<i>Corylus avellana</i> , L.	Europe	Seed.

<i>Corylus colurna</i> , L.	Europe	Seed.
<i>Couepia chrysocalyx</i> , Benth.	So. Am	Fruit.
<i>Crambe maritima</i> , L., Sea Kale.		
<i>Crataegus azarolus</i> , L.	Europe	Fruit.
<i>bibas</i> , Lour	China	"
<i>Oxycantha</i> , L.	India	"
<i>Crithmum maritimum</i> , L.	France	Leaves.
<i>Crocus sativus</i> , L.	Asia, etc	Anthers.
<i>Cucumis Anguria</i> , Naud, Gherkin.		
<i>chate</i> , L.	Europe	Fruit.
<i>chito</i> , Morren	"	"
<i>cicatrissatus</i> , Stocks	India	"
<i>conomon</i> , Thunb.	Japan	"
<i>deliciosus</i> , Roth	Spain	"
<i>dudaim</i> , L.	Sp. America	"
<i>flexuosus</i>	Japan	"
Melo, L., Melon.		
<i>Momordica</i> , Roxb	India	Fruit.
<i>prophetarum</i> , Naud	Europe	"
<i>sativus</i> , L., Cucumber.		
<i>Cucurbita maxima</i> , Duch.	} Squashes, Pumpkins, etc.	
<i>melanosperma</i> , Naud		
<i>melopepo</i> , L.		
<i>moschata</i> , Ser		
<i>ovifera</i> , L.		
<i>Pepo</i> , L.		
<i>verrucosa</i> , L.		
<i>Cuminum cyminum</i> , L., Cumin.		
<i>Curcuma longa</i> , Roxb.	India	Tuber.
<i>Cyamopsis psoraloides</i> , Wight	"	Seed.
<i>Cydonia Japonica</i> , D. C., Japan Quince.		
<i>lusitanica</i> , Hort. Brit., Portugal Quince.		
<i>vulgaris</i> , Pers. Quince.		
<i>Cynara cardunculus</i> , L., Cardoon.		
<i>scolymus</i> , L., Artichoke.		
<i>Cynosurus coracanus</i> , L.	India	Seed.
<i>Cyperus esculentus</i> , Chufa.		
<i>Cyphomandra betacea</i> , D. C.	Peru	Fruit.
<i>Daucus Carota</i> , L., Carrot.		
<i>Digitaria sanguinalis</i> , Scop.	Hungary	Seed.
<i>Dillenia speciosa</i>	India	Calyx.
<i>Dioscorea aculeata</i> , L.	} Yams.	
<i>alata</i> , L.		
<i>atropurpurea</i> , Roxb		
<i>batatas</i> , Decais		
<i>bulbifera</i> , Lam		
<i>Cayennensis</i>		
<i>deltoides</i> , Wall.		
<i>fasiculata</i> , Roxb		
<i>globosa</i> , Roxb		
<i>hastifolia</i> , Ness		
<i>nummularia</i> , Lam		
<i>pentaphylla</i> , L.		
<i>pulchella</i> , Roxb		
<i>rubella</i> , Roxb		
<i>sativa</i> , L.		
<i>trifida</i> , L. fil		
<i>triloba</i> , Lam		
<i>tugui</i> , Blanco		
<i>Diospyros kaki</i> , L. fil	East Indies	Fruit.
<i>mabola</i> , Roxb	"	"
<i>mazeli</i> , Carr	Japan	"
<i>melanoxyton</i> , Roxb	India	"
<i>Dolichos biflorus</i> , Roxb.	} Beans.	
<i>catiáng</i> , L.		

Dolichos glycinoides, Kunth	} Beans.		
hastatus, Lour			
Lubia, Forsk			
melanophthalmos, D. C.			
monachalis, Brot			
purpureus, L			
sesquipedalis, Jacq			
Sinensis, L			
sphaerospermus, D. C.			
uncinatus, L			
unguiculatus, L			
uniflorus, L			
Dracena terminalis, D. C.		Pacific Isles	Root.
Durio zibethinus, L.		East Indies	Fruit.
Elæagnus hortensis, Bieb		India	Fruit.
moorcroftii, Wall		Thibet	"
orientalis, L		Caspian	"
Elæis guineensis, Jacq		Tropical Africa	Fruit, etc.
Embllica officinalis, Gaertn		India	Fruit.
Eriobotrya Japonica, Lind		China	"
Ervum Lens, L.	} Lentil.		
monanthos, L.			
Erythroxylon coca, Lam		Peru	Leaves.*
Eschscholtzia cristata		China	Foliage.
Eugenia cauliflora, Mart		Brazil	Fruit.
jambolana, Lam		India	"
malaccensis, L		Tropics	"
oblata, Roxb		East Indies	"
pimenta, D. C.		"	"
ugni, H. et A.		Chili	"
Eupatorium ayapana, Vent		Bourbon	Foliage.
Euryale ferox, Sal		East Indies	Stems, Rhizomes, Seeds.
Faba vulgaris, Moench, English Bean.			
Fagopyrum rotundatum, Bab		Himalayas	Seed.
triangulare, Miess		"	"
Ficus aspera, Forst		Tanna Isle	Fruit, Leaves.
Carica, L., Fig.			
granatum, Forst		Tanna Isle	Fruit.
sycomorus		Egypt	"
Flacourtia inermis, Roxb		Moluccas	"
Flemingia vestita		India	Tuber.
Foeniculum Azoricum, Mill		So. Europe	Stalks.
officinale		"	"
vulgare, Gaertn		Europe, etc.	Seed, Foliage.
Fragaria chiloensis, Duch	} Strawberry.		
collina, Ehrh			
elatior, Ehrh			
grandiflora, Ehrh			
vesca, L.			
Virginiana, Ehrh			
Fraxinus ornus, L.		Sicily	Manha.
rotundifolia, D. C.		"	"
Galium tuberosum, Lour		Cochin China	Root.
Garcinia mangostana, L.		East Indies	Fruit.
Gigantochloa atter, Kurz		Java	Young Shoots.
maxima, Kurz		"	"
Glyceria fluitans, R. Br.		Poland	Seed.
Glycyrrhiza echinata, L.	} Licorice.		
glabra, L.			
Gossypium herbaceum, L., Cotton.			
Grewia, Asiatica, L.		East Indies	Fruit.
Grias cauliflora, L.		Florida	"
Guilielma speciosa, Mart		Amazon	"

Guizotia oleifera, D. C.	East Indies	Seed.
Helianthus annuus, L., Sunflower.		
tuberosus, L., Jerusalem Artichoke.		
Hibiscus cannabinus, L.	East Indies	Foliage.
ficulneus, L.	Egypt.	"
sabdariffa, L.	Tropics	Calyx, etc.
Hordeum ægiceras, Steud.	} Barley.	
coeleste, L.		
deficiens, Steud.		
distichum, L.		
hexastichon, L.		
Kaufmanni.		
nudum, H. P.		
trifurcatum		
vulgare, L.		
zeocriton, L.		
Hovenia dulcis, Thunb.	East Indies	Fruit.
Humulus lupulus, L., Hop.		
Hydropyrum latifolium	China	Stems.
Hyptis spicigera, Lam.	Africa.	Seed.
Hyssopus officinalis, L., Hyssop.		
Ilex Paraguayensis, St. Hil.	Paraguay.	Foliage.
Inga Feuillei, D. C.	Peru	Pods.
spectabilis, Willd.	Panama	"
Inula crithmifolia	Europe, etc.	Foliage.
Helenium, L.	"	Root.
Ipomœa mammosa, Choisy.	Amboina	Tuber.
Jambosa makapa, Mer. and Lens.	Mauritius	Fruit.
Jubœa spectabilis, H. B. K.	S. Am.	Sap.
Juglans regia, L.	Europe, etc.	Nut.
Lablab cultratus, D. C.	India.	Seed.
nankinensis, Savi.	West Indies.	"
vulgaris, Savi.	India, etc.	"
Lactuca angustiana, All.		"
intybacea, L.		
sativa L., Lettuce.		
Lagenaria vulgaris, Naud.	Asia, etc.	Fruit.
Lappa edulis, Sieb.	Japan	Root.
Lathyrus cicera	So. Europe	Seed.
sativus, L.	"	"
tuberosus, L.	Holland.	Root.
Lavandula spica, L.	} Lavender.	
vera, D. C.		
Lepidium latifolium, L.	} Cress.	
sativum, L.		
Ligusticum levisticum, L., Lovage.		
Lilium auratum	Japan.	Bulb.
bulbiferum, L.	"	"
tigrinum	"	"
Lotus tetragonolobus, L.	France	Pod.
Lucuma bifera, Mol.	Chili	Fruit.
caimito, A. de C.	Peru	"
turbinata, Mol.	Chili	"
Luffa acutangula, Roxb.	So. Asia.	"
Ægyptiaca, Mill.	"	"
cylindrica, Naud.	"	"
clavata, Royle.	"	"
pentandra, Royle.	"	"
racemosa, Royle.	"	"
Lupinus albus, L.	So. Europe	Seed.
hirsutus, L.	"	"
termis, Forsk.	"	"



<i>Lycopersicum cerasiforme</i> , Dun.	} Tomato.	
<i>esculentum</i> , Mill.		
<i>Humboldtii</i>		
<i>(Solanum) racemigerum</i>		
<i>Macranthus Cochinchinensis</i> , Lour.	So. Asia.	Pod.
<i>Madia sativa</i> , Mol.	Chili	Seed.
<i>Malpighia glabra</i> , L.	Antilles	Fruit.
<i>urens</i> , L.	"	"
<i>Malva crispa</i> , L.	Europe	Foliage.
<i>rotundifolia</i> , L.	Egypt	"
<i>sylvestris</i>	Ancients	"
<i>Mammea Americana</i> , L.	Tropics	Fruit.
<i>Mangifera foetida</i> , Lour.	Burma	"
<i>Indica</i> , L.	Tropics	"
<i>Manihot aipi</i> , Pohl.	So. Am., etc	Root.
<i>utilissima</i> , Pohl.	"	"
<i>Marrubium vulgare</i> , L., Horehound.		
<i>Martynia lutea</i> , Lindl.	} Martynia.	
<i>proboscidea</i> , Glox.		
<i>Melissa officinalis</i> , L., Balm.		
<i>Mentha piperita</i> , L., Peppermint.		
<i>pulegium</i> , L., Pennyroyal.		
<i>viridis</i> , Mint, Mint.		
<i>Mesembrianthemum crystallinum</i> , L., Ice Plant.		
<i>Mespilus germanica</i> , L., Medlar.		
<i>Micromeria Thee-sinensis</i>	France	Leaves.
<i>Mimusops ballota</i> , Gaertn.	Java	Fruit.
<i>Indica</i> , A. de C.	"	"
<i>kauki</i> , L.	Malabar	"
<i>mamilkara</i> , Don.	Philippines	"
<i>Momordica charantia</i> , L.	So. Asia	"
<i>dioica</i> , Roxb.	"	"
<i>muricata</i> , Willd.	"	"
<i>Monarda didyma</i> , L.	U. S.	Foliage.
<i>punctata</i>	"	"
<i>Monodora myristica</i> , Dun.	Jamaica	Fruit.
<i>Moringa pterygosperma</i> , Gaertn.	So. Asia	{ Foliage, Flowers, Seed vessels.
<i>Morus alba</i> , L.	} Mulberry.	
<i>atropurpurea</i> , Roxb.		
<i>Indica</i> , L.		
<i>laevigata</i> , Wall.		
<i>multicaulis</i>		
<i>nigra</i> , L.		
<i>rubra</i> , L.		
<i>serrata</i> , Roxb.		
<i>Mucuna nivea</i> , W. et A.	So. Asia	Pods.
<i>capitata</i> , Buch.	"	"
<i>utilis</i> , Wall.	"	"
<i>Musa arakanensis</i>	} Banana.	
<i>Cavendishii</i> , Lam.		
<i>ensete</i> , Bruce.		
<i>paradisica</i> , L.		
<i>sapientum</i> , L.		
<i>simiarum</i> , Rumph.		
<i>rubra</i>		
<i>vittata</i>		
<i>Myrica nagi</i> , Thunb.	Japan	Fruit.
<i>Myristica fragrans</i> , Hout.	East Indies	"
<i>moschata</i> , Thunb.	"	"
<i>Myrrhis odorata</i> , Scop, Sweet Cicely.		
<i>Nandina domestica</i> , Thunb.	So. Asia	Fruit.
<i>Nasturtium officinale</i> , R. Br.		Water-cress.
<i>Nectandra cinnamomides</i> , Meis.	Quito	Calyx.
<i>Negundo aceroides</i> , Moench	Illinois	Sap.

<i>Nelumbium speciosum</i> , Willd	So. Asia, etc.	Seed, Rhizome.
<i>Nephelium litchi</i> , Camb	China	Fruit.
<i>longana</i> , Camb	"	"
<i>lappaceum</i> , L.	East Indies	"
<i>pinnatum</i> , L.	Feejee Isl	"
<i>Nepeta cataria</i> , L., Catnip.		
<i>Nicotiana Chinensis</i> , Fisch	} Tobacco.	
<i>fruticosa</i> , Lour		
<i>glutinosa</i> , Mill		
<i>latissima</i> , Mill		
<i>paniculata</i>		
<i>Persica</i> , Lindl		
<i>quadrivalvis</i> , Pursh		
<i>repanda</i> , Willd		
<i>rustica</i> , L.		
<i>Tabacum</i> , L.		
<i>Nigella Damascena</i> , L.	Turkey	Seed.
<i>sativa</i> , L.	France	"
<i>Noronhia emarginata</i> , Poir	Mauritius	Fruit.
<i>Ocimum basilicum</i> , L.	} Sweet Basil.	
<i>gratissima</i> , L.		
<i>minimum</i> , L.		
<i>suave</i> , Willd.		
<i>Oenothera biennis</i> , L.	Europe	Root.
<i>Olea Europea</i> , L.	} Olive.	
<i>eranimorpha</i> , Duh		
<i>oblonga</i> , Duh		
<i>spherica</i> , Duh		
<i>Opuntia vulgaris</i> , Mill	So. Europe, etc.	Fruit.
<i>Ficus indica</i>	Sicily, Algeria, Egypt	"
<i>Orchis mascula</i> , L.	Asia	Root.
<i>Origanum heracleoticum</i> , L.	} Marjorams.	
<i>majorana</i> , L.		
<i>onites</i> , L.		
<i>vulgare</i> , L.		
<i>Orobus tuberosus</i> , L.	Europe	Tuber.
<i>Oryza glutinosa</i> , Rumph.	} Rice.	
<i>sativa</i> , L.		
<i>Oxalis acetosella</i> , L.	Europe	Foliage.
<i>crenata</i> , Jacq	Peru	Tubers, Leaf-stalks.
<i>Deppei</i> , Lod.	"	Tubers, Foliage.
<i>tuberosa</i> , Mol	Andes	Tubers.
<i>zonata</i> , D. C	Belgium	Leaves.
<i>Oxycoccus palustus</i> , Pers	England	Fruit.
<i>Pachyrhizus, angulatus</i> , Rich	China	Root.
<i>trilobus</i> , D. C	"	"
<i>Panax fruticosum</i> , L.	Ternate	Leaves.
<i>Pangium edule</i> , Reinw	East Indies	Seed.
<i>Panicum corvi</i> , Thunb	Japan	"
<i>frumentaceum</i> , Roxb	So. Asia	"
<i>germanicum</i> , L.	So. Europe	"
<i>miliaceum</i> , L.	Europe, etc.	"
<i>sarmentosum</i> , Roxb	Tropics	"
<i>spicata</i> , Willd	India	"
<i>verticillatum</i> , Thunb	Japan	"
<i>Papaver setigerum</i>	France	"
<i>somniferum</i> , L.	Europe	"
<i>Paspalum scrobiculatum</i> , L.	So. Asia	"
<i>Passiflora coccinea</i> , Aubl.	Guiana	Fruit.
<i>incarnata</i> , L.	Am. Indians	"
<i>lauriflora</i> , L.	Jamaica	"
<i>Pastinaca sativa</i> , L., Parsnip.		
<i>Penicillaria spicata</i>	China, India	Seed.
<i>Pennisetum typhoideum</i> , Rich	Asia, etc.	Seed.

<i>Persea gratissima</i> , Gaertn.....	So. Am.....	Fruit.
<i>Persica laevis</i> , D. C, Nectarine.		
<i>Petasites Japonicus</i> , Mig.....	Japan.....	Petioles.
<i>Phalaris Canariensis</i> , L.....	Italy.....	Seed.
<i>Phaseolus aconitifolius</i> , L. fil.....	India, etc.....	"
<i>adenanthus</i> , G. Meyer.....	".....	"
<i>asellus</i> , Mol.....	Chili.....	"
<i>aureus</i> , Roxb.....	India.....	"
<i>caracalla</i> , L.....	Africa.....	"
<i>compressus</i> , D. C.....	Europe, etc.....	"
<i>ellipticus</i> , Martens.....	".....	"
<i>glaber</i> , Roxb.....	India.....	"
<i>gonospermus</i> , Savi.....	Europe, etc.....	"
<i>inamœnus</i> , L.....	".....	"
<i>lunatus</i> , L.....	America, etc.....	"
<i>Max</i> , Roxb.....	India, etc.....	"
<i>Mungo</i> , L.....	".....	"
<i>multiflorus</i> , Willd.....		Scarlet Runner.
<i>nana</i> , L.....	Europe, etc.....	" "
<i>oblongus</i> , Savi.....	".....	" "
<i>pallar</i> , Mol.....	Chili.....	" "
<i>radiatus</i> , L.....	India, etc.....	" "
<i>sphaericus</i> , Savi.....	Europe, etc.....	" "
<i>torosus</i> , Roxb.....	India, etc.....	" "
<i>trilobus</i> , Ait.....	".....	" "
<i>tumidus</i> , Savi.....	Europe, etc.....	" "
<i>Tunkinensis</i> , Lour.....	Cochin China.....	" "
<i>vulgaris</i> , Savi.....	Europe, etc.....	" "
<i>Phoenix dactylifera</i> , L.....	Africa.....	Fruit.
<i>Physalis Alkekengi</i> , L.....	Europe.....	"
<i>Barbadensis</i> , Jacq.....	France.....	"
<i>edulis</i> , Sims.....	".....	"
<i>Peruviana</i> , Hort.....	".....	"
<i>Philadelphica</i> , Lam.....		} Strawberry Tomato.
<i>pubescens</i> , L.....		
<i>Phyteuma spicatum</i> , L.....	Europe.....	Root, Foliage.
<i>Phytolacca acinosa</i> , Roxb.....	India.....	Leaves.
<i>octandra</i> , L.....	Jamaica.....	"
<i>Picridium vulgare</i> , H. P.....	Europe.....	Foliage.
<i>Pierardia sapida</i> .....	India.....	Fruit.
<i>Pimpinella anisum</i> , L., Anise.		
<i>Pinus pinea</i> , L.....	Italy.....	Seed.
<i>Piper nigrum</i> , L.....	East Indies.....	Fruit.
<i>Pisonia morindifolia</i> , R. Br.....	India.....	Leaves.
<i>Pistacia vera</i> , L.....	So. Europe.....	Fruit
<i>Pisum arvense</i> , L.....		} Pea.
<i>macrocarpum</i> , D. C.....		
<i>sativum</i> , L.....		
<i>ochrus</i> .....	Greece.....	Seed
<i>Pithecolobium dulce</i> , Benth.....	Manilla.....	Fruit
<i>Plantago coronopus</i> , L.....	Europe.....	Foliage.
<i>Plectranthus ternatus</i> , Boj.....	Mauritius.....	"
<i>Plukenetia corniculata</i> , Sm.....	Moluccas.....	"
<i>Poa Abyssinica</i> , Jacq.....	Abyssinia.....	Seed.
<i>Polygonum emarginatum</i> , Roth.....		} Buckwheat.
<i>fagopyrum</i> , Link.....		
<i>odoratum</i> , Lour.....		
<i>tataricum</i> , Lind.....		
<i>Polyporus corylinus</i> , Mauri.....	Italy.....	Fungus.
<i>Porphyra vulgaris</i> , Ag.....	Japan.....	Plant.
<i>Portulaca oleracea</i> , L.....		} Purslane.
<i>sativa</i> , Haw.....		
<i>Poterium Sanguisorba</i> , L., Burnet.		
<i>Prunus Americana</i> , Moench.....	U. S.....	Fruit.
<i>Chicasa</i> , Mich.....	".....	"
<i>dasycarpa</i> , Ehrh.....	East Indies.....	"
<i>domestica</i> , L.....	Europe, etc.....	"

<i>Prunus, gracilis</i> , Engel. and Gr.	Indian Territory	Fruit.
<i>insititia</i> , L.	Europe	"
<i>laurocerasus</i> , L.	"	Leaves.
<i>mume</i> , Sieb.	Japan	Fruit.
<i>myrobalanus</i> , Duh.	Europe	"
<i>oconomica</i> , Bock.	"	"
<i>puddum</i> , Roxb.	India	"
<i>salicifolia</i> , Humb.	So. Am.	"
<i>triflora</i> , Roxb.	India	"
<i>Psidium Guaiavi</i> , Raddi.	Tropics	"
<i>guineensis</i> , Swartz	Antilles	"
<i>indicum</i> , Raddi	Brazil	"
<i>pyriferum</i> , L.	Antilles	"
<i>Ptychotis ajowan</i> , D. C.	India	Seed.
<i>Pulicaria odora</i> , Forsk.	Yemen	Leaves.
<i>Pulmonaria officinalis</i>	England	Foliage.
<i>Punica Granatum</i> , L., Pomegranate.		
<i>Pyrus acerba</i> , D. C.	Europe, etc.	Fruit.
<i>aucuparia</i> , Gaertn.	"	"
<i>baccata</i> , Arb. Brit.	"	"
<i>communis</i> , L., Pear	"	"
<i>domestica</i> , Smith.	"	Fruit.
<i>Malus</i> , L., Apple	"	"
<i>nivalis</i> , Jacq.	Europe	Fruit.
<i>salviflora</i> , D. C.	France	"
<i>Sinensis</i> , Lind.	India	"
<i>spectabilis</i> , Ait.	China	"
<i>Raphanus caudatus</i> , L., Rat-tail Radish.		
<i>sativus</i> , L., Radish.		
<i>Raphia Hookeri</i>	Africa	Sap.
<i>Rheum australe</i> , Don.		
<i>compactum</i> , L.		
<i>hybridum</i> , Murr.		
<i>Rhaponicum</i> , L.		
<i>ribes</i> , Gronov.		
<i>undulatum</i> , L.		
<i>Ribes aureum</i> , Pursh.	Utah	Fruit.
<i>Grossularia</i> , L.		
<i>uva-crispa</i> , L.		
<i>nigrum</i> , L., Black Currant.		
<i>rubrum</i> , L., Currant.		
<i>Ricinus communis</i> , L.	China	Oil.
<i>Rollinia sieberi</i>	Jamaica	Fruit.
<i>Rosmarinus officinalis</i> , L.		Rosemary.
<i>Rubus albescens</i> , Roxb.	India	Fruit.
<i>Canadensis</i> , L.	Am.	"
<i>Idæus</i> , L.	Europe, etc.	"
<i>macropetalus</i> , Doug.	California	"
<i>occidentalis</i> , L.	Am.	"
<i>strigosus</i> , Mich.	"	"
<i>villosus</i> , Torr. et Gr.	"	"
<i>Rumex acetosa</i> , L.		
<i>alpinus</i> , L.		
<i>montanus</i> , K. K.		
<i>nivalis</i>		
<i>pulcher</i>		
<i>sanguinensis</i> , L.		
<i>scutatus</i> , L.		
<i>Patientia</i> , Patience Spinage.		
<i>Ruta graveolens</i> , L., Rue.		
<i>Saccharum officinarum</i> , L.		
<i>Sinense</i> , Roxb.		
<i>violaceum</i> , Tuss.		
		Sugar-cane.

Sagittaria Chinensis.....	California, China.....	Tubers.
Salvia horminum, L. ....	} Sages.	
Indica .....		
officinalis, L. ....		
sclarea, L. ....		
Sambucus nigra.....	Europe.....	Fruit.
Satureja capitata..	} Savory.	
hortensis, L. ....		
montana, L. ....		
viminea, L. ....		
Scirpus tuberosus, Roxb ..	China.....	Tubers.
Scolymus Hispanicus, L., Scolymus.		
Scorzonera deliciosa, Gusson ..	Sicily.....	Root.
Hispanica, L., Scorzonera.		
Secale cereale, L., Rye.		
Sechium edule, Swartz.....	Madeira, So. Am.....	Fruit.
Sedum reflexum, L .....	Holland.....	Foliage.
rupestre, L .....	".....	"
Sesamum Indicum, L. ....	} Sesame.	
occidentale, L. ....		
Sesbania grandiflora, Pers .....	India.....	Flowers, Pods.
Setaria Italica, Beauv.....	".....	Seed.
Sinapis alba, L. ....	} Mustards.	
dichotoma, Roxb.....		
glauca .....		
juncea, L. ....		
nigra, L. ....		
Pekinensis, Bon Jard..		
ramosa, Roxb .....		
Soja hispida Moench..	} Soja Bean.	
platycarpa, Harz.....		
tumida, Harz .....		
Solanum Æthiopicum, L.....	China.....	Fruit.
Anthropophagorum, Seem.....	Feejee.....	Leaves.
cari, Humb.....	Chili.....	Tuber.
gilo, Raddi .....	Trop. Am.....	Fruit.
Jacquini, Willd .....	India.....	"
melongena, L., Egg Plant.		
miniatum, Graham .....	Mauritius.....	Leaves.
nodiflorum, Jacq.....	".....	"
tuberosum, Potato.		
verrucosum, Schl.....	Switzerland.....	Tubers.
Sorbus domestica, L.....	Europe.....	Fruit.
Sorghum bicolor, W. ....	} Sorghums.	
cernuum, Willd .....		
nigrum, R. et Sch.....		
saccharatum, Pers.....		
vulgare, Pers.....		
Spilanthes fusca, H. P.....	France.....	Foliage.
oleraceus, L.....	".....	"
Spinacia oleracea, L., Spinage.		
tetrandra, Roxb.....	India.....	Foliage.
Spondias dulcis, Forst.....	Tropics.....	Fruit.
Stachys palustris, L.....	Europe.....	Rhizomes.
Tacca pinnatifida, Forst.....	Pacific Isl.....	Root.
Tamarindus Indica,....	} Tamarind.	
occidentalis, Gaertn ..		
Tanacetum vulgare, L., Tansy.		
Taraxacum Dens-leonis, Desf, Dandelion.		
Telfairea occidentalis .....	Africa.....	Seed.
Terminalia, catappa, D. C .....	India.....	"
Tetragonia expansa, Mur., New Zealand Spinage.		
Thea assamica, Mast.....	} Tea.	
Bohea, Lind.....		
Cantonensis, Lour.....		
Chinensis, Sims.....		

<i>Thea Cochinchinensis</i> , Lour	} Tea.		
<i>stricta</i> , Heyn			
<i>viridis</i> , Lind			
<i>Theobroma bicolor</i> , H. et B.		So. Am	Seed.
<i>cacao</i> , L		"	"
<i>leiocarpum</i> , Bern.		"	"
<i>pentagonum</i> , Bern		"	"
<i>salzmanniarum</i> , Bern		"	"
<i>Thymus citriodorus</i> , Pers.	} Thyme.		
<i>serpyllum</i> , L			
<i>vulgaris</i> , L			
<i>Tragopogon porrifolius</i> , L., Salsify.		England	Root.
<i>pratensis</i> , L		China	Fruit.
<i>Trapa bicornis</i> , L		Kashmere	"
<i>bispinosa</i> , Roxb.		China	"
<i>Chinensis</i> , Lour		India	"
<i>Trichosanthes anguina</i> , Naud.		"	"
<i>dioica</i> , Roxb.		"	"
<i>Trigonella Fœnum-Græcum</i> , L., Fenugreek.			
<i>Triphasia trifoliata</i> , Lour		West Indies	Fruit.
<i>Triticum amyleum</i> , Ser.	} Wheat.		
<i>durum</i> , Desf.			
<i>monococcum</i> , L			
<i>polonicum</i>			
<i>sativum</i> , Lam			
<i>Spelta</i> , L			
<i>turgidum</i> , L			
<i>Tropæolum majus</i> , L.	} Nasturtiums.		
<i>minus</i> , L			
<i>tuberosum</i> , Maund.		Andes	Tuber.
<i>Ullucus tuberosus</i> , Loz		Peru	Tubers.
<i>Urtica dioica</i> , L.		Scotland	Young Shoots.
<i>Uvaria dulcis</i>		Jamaica	Fruit.
<i>Vaccinium macrocarpon</i> , Ait, Cranberry.			
<i>Valeriana cornucopiæ</i> , L.		France	Foliage.
<i>coronata</i> , D. C.		Europe, etc.	"
<i>eriocarpa</i> , Desv.		"	"
<i>locusta</i> , L.		"	"
<i>olitoria</i> , D. C.		"	"
<i>Vanilla aromatica</i>		Mexico	Pod.
<i>planifolia</i> , Andrews		"	"
<i>Verbesina mutica</i> , L.		China	Foliage.
<i>Veronica Americana</i> , Schw		U. S.	"
<i>Viburnum Oxycoccus</i> , Pursh		"	Fruit.
<i>Vicia sativa</i> , L.		Europe	Seed.
<i>Vigna luteola</i> , Benth.		Africa	"
<i>Vitis aestivalis</i> , Mich.		U. S.	Fruit.
<i>Californica</i> , Benth.		Pueblo Indians.	
<i>Labrusca</i> , L.		U. S.	Fruit.
<i>riparia</i> , Mich		"	"
<i>vinifera</i> , L		Europe, etc.	"
<i>vulpina</i> , L.		U. S.	"
<i>Voandizia subterranea</i> , Thouars		Africa	Seed.
<i>Xiphion sisyrinchium</i>		Europe	Bulb.
<i>Zea Mays</i> , L., Maize.			
<i>Zingiber officinale</i> , Roscoe		Warm Countries	Rhizome.
<i>Zizyphus jujuba</i> , Lam		Africa, etc.	Fruit.
<i>lotus</i> , Lam		"	"
<i>vulgaris</i> , Lam		"	"



