

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	# Chemicals	Total PPM
<i>Achillea millefolium</i> Yarrow; Milfoil	1	
<i>Actaea dahurica</i> Xing an sheng ma; Sheng ma	2	
<i>Actaea cimicifuga</i> Sheng ma; Foetid Bugbane; Bugbane	1	
<i>Adonis vernalis</i> Spring Adonis	1	
<i>Agrimonia eupatoria</i> Sticklewort; Agrimony	1	
<i>Ajuga iva</i> Ivy Bugle	1	
<i>Alisma plantago-aquatica</i> Mud Plantain; Tse-Hsieh; Ze-Xie; Water Plantain	1	
<i>Allium schoenoprasum</i> Chives	1	
<i>Allium sativum</i> var. <i>sativum</i> Garlic	2	54.0
<i>Allium cepa</i> Onion; Shallot	1	
<i>Allium ampeloprasum</i> Elephant Garlic; Kurrat	1	
<i>Althaea officinalis</i> White Mallow; Marshmallow	1	
<i>Ananas comosus</i> Pineapple	1	1520.0
<i>Anethum graveolens</i> Garden Dill; Dill	1	
<i>Angelica sinensis</i> Dang Quai; Chinese Angelica; Dong Gui; Dang Gui; Dong Quai; Dang Qui	1	
<i>Annona reticulata</i> Custard Apple	1	
<i>Apium graveolens</i> Celery	2	
<i>Apocynum cannabinum</i> Spreading Dogbane; Bitterroot	2	
<i>Apocynum androsaemifolium</i> Spreading Dogbane; Bitterroot	1	
<i>Arachis hypogaea</i> Groundnut; Peanut	1	90.0
<i>Arctium lappa</i> Gobo; Great Burdock; Burdock	1	
<i>Arctostaphylos uva-ursi</i> Uva Ursi; Bearberry	1	
<i>Artemisia dracuncululus</i> Tarragon	2	92.0
<i>Artemisia annua</i> Sweet Wormwood (GRIN); Qinghao; Annual Wormwood (GRIN); Annual Mugwort (GRIN); Sweet Annie	1	
<i>Aspalathus linearis</i> Rooibos; Kaffree Tea; Red Bush Tea	1	
<i>Astragalus membranaceus</i> Huang-Chi; Huang Qi	1	
<i>Avena sativa</i> Oats	1	
<i>Ballota nigra</i> Black Horehound	1	
<i>Basella alba</i> Vinespinach	1	
<i>Beta vulgaris</i> Beet; Beetroot; Garden Beet; Sugar Beet	1	
<i>Bowiea volubilis</i> Zulu Potato; Climbing Onion	1	
<i>Brassica pekinensis</i> Chinese Cabbage	1	12.0
<i>Brassica oleracea</i> var. <i>italica</i> Sprouting Broccoli; Purple Cauliflower; Asparagus Broccoli; Winter Broccoli; Heading Broccoli; Broccoli; Calabrese; Cape Broccoli	1	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussels-Sprouts; Brussel-Sprout	1	20.0
<i>Brassica oleracea</i> var. <i>capitata</i> l. White Cabbage; Red Cabbage; Cabbage	1	40.0
<i>Brassica oleracea</i> var. <i>botrytis</i> l. Cauliflower	1	26.0
<i>Brassica nigra</i> Black Mustard	1	
<i>Camellia sinensis</i> Tea	1	
<i>Capsicum frutescens</i> Cayenne; Hot Pepper; Tabasco; Red Chili; Chili; Spur Pepper	1	

Plant	# Chemicals	Total PPM
<i>Capsicum annuum</i> Cherry Pepper; Sweet Pepper; Green Pepper; Cone Pepper; Bell Pepper; Paprika	1	
<i>Carica papaya</i> Papaya	1	
<i>Catalpa ovata</i> Kisasage; Hsin-Pa-Pi	1	
<i>Celosia cristata</i> Cockscomb	1	
<i>Centaurea cyanus</i> Bachelor's Button; Cornflower	1	
<i>Centaurium erythraea</i> Centaury	1	
<i>Ceratonia siliqua</i> Locust Bean; Carob; St.John's-Bread	1	
<i>Chamaemelum nobile</i> Perennial Camomile; Garden Camomile; Roman Camomile	1	
<i>Chenopodium ambrosioides</i> Wormseed; Epazote	1	
<i>Chenopodium album</i> Lambsquarter	1	
<i>Chondrus crispus</i> Irish Moss	1	
<i>Cichorium intybus</i> Succory; Chicory; Witloof	1	
<i>Cimicifuga dahurica</i> Sheng Ma	1	
<i>Citrullus colocynthis</i> Colocynth	1	
<i>Citrus sinensis</i> Orange	2	49.0
<i>Citrus reticulata</i> Mandarin; Tangerine	2	
<i>Citrus paradisi</i> Grapefruit	1	69.0
<i>Citrus limon</i> Lemon	2	80.0
<i>Cnicus benedictus</i> Blessed Thistle	2	
<i>Cocos nucifera</i> Copra; Coconut; Coconut Palm; Nariyal; Cocotero (Sp.); Kokospalme (Ger.)	1	
<i>Coix lacryma-jobi</i> Adlay; Adlay Millet; Yi-Yi-Ren; Job'S-Tears	1	
<i>Commiphora wightii</i> Indian Bdellium-Tree; Guggul	1	
<i>Convallaria majalis</i> Lily-Of-The-Valley	3	
<i>Coptis</i> spp Generic Goldthread	1	
<i>Coptis japonica</i> Japanese Goldthread; Huang-Lia; Huang-Lien; Huang-Lian	1	
<i>Coptis chinensis</i> Chinese Goldthread; Huang-Lian; Huang-Lien	1	
<i>Corchorus olitorius</i> Nalta Jute; Mulukiya; Jew's Mallow	2	
<i>Coriandrum sativum</i> Coriander; Chinese Parsley; Cilantro	1	
<i>Cucumis sativus</i> Cucumber	1	
<i>Cucumis melo</i> Nutmeg Melon; Muskmelon; Persian Melon; Netted Melon; Cantaloupe; Melon	1	
<i>Cucurbita pepo</i> Pumpkin	1	
<i>Cydonia oblonga</i> Quince	1	
<i>Cynara cardunculus</i> Artichoke	1	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Daucus carota</i> Carrot	1	
<i>Digitalis purpurea</i> Purple Foxglove	2	400.0
<i>Digitalis lanata</i> Grecian Foxglove	1	400.0
<i>Dioscorea alata</i> Greater Yam; Winged Yam	1	
<i>Dipteryx odorata</i> Dutch Tonka Bean; Tonka Bean	1	
<i>Echinacea</i> spp Coneflower; Echinacea	1	
<i>Elaeagnus angustifolia</i> Russian Olive; Silver Berry	1	
<i>Eleutherococcus senticosus</i> Spiny Ginseng; Ci wu jia (Pinyin); Wu jia; Eleuthero Ginseng; Siberian Ginseng	1	

Plant	# Chemicals	Total PPM
<i>Ephedra sinica</i> Chinese Ephedra; Ma Huang	1	
<i>Equisetum hyemale</i> Horsetail; Scouring Rush	1	
<i>Equisetum arvense</i> Field Horsetail; Horsetail	1	
<i>Erythrophleum suaveolens</i> Ordeal Tree; Sassy Bark	2	
<i>Eucalyptus globulus</i> Tasmanian Bluegum; Eucalypt; Blue Gum	1	
<i>Eucalyptus citriodora</i> Lemon-Scented Gum; Spotted Gum; Lemon Eucalyptus; Citron-Scented Gum	1	
<i>Euphorbia lathyris</i> Caper Spurge; Mole Plant	1	
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	
<i>Euphrasia officinalis</i> Eyebright	1	
<i>Ferula assa-foetida</i> test; Stinkasant (Ger.); Asafetida; Assa-foetida; Devil's Dung; Asafetida (Sp.); Asafoetida	1	
<i>Ficus carica</i> Fico (Ital.); Feigenbaum (Ger.); Figuier Commun (Fr.); Higo (Sp.); Echte Feige (Ger.); Figueira (Port.); Fig; Higuera Comun (Sp.)	1	
<i>Foeniculum vulgare</i> Fennel	2	
<i>Gaultheria procumbens</i> Wintergrun (Ger.); Creeping Wintergreen; Mountain Tea; Wintergreen; Checkerberry; Teaberry	1	
<i>Glechoma hederacea</i> Alehoof	1	
<i>Glycine max</i> Soybean	2	16.0
<i>Glycyrrhiza glabra</i> Licorice-Root; Smooth Licorice; Commom Licorice; Licorice	2	
<i>Helianthus annuus</i> Girasol; Sunflower	1	6.0
<i>Hierochloe odorata</i> Manna Grass; Sweet Grass; Seneca Grass; Vanilla-Scented Grass; Vanilla Grass; Holy Grass	1	
<i>Hordeum vulgare</i> Barleygrass; Barley	1	
<i>Humulus lupulus</i> Hops	1	
<i>Huperzia</i> spp Cutleaf Clubmoss	1	
<i>Hura crepitans</i> Sandbox Tree	1	
<i>Hypericum perforatum</i> Goatweed; Common St. Johnswort; Hypericum; St. John's-wort; Klamath Weed	1	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Juglans regia</i> English Walnut	1	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Juniper; Common Juniper	1	
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	
<i>Lactuca sativa</i> Lettuce	1	
<i>Lens culinaris</i> Lentil	1	
<i>Lentinus edodes</i> Shiitake	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Ligustri Fructus; Japanese Privet	1	
<i>Linum usitatissimum</i> Flax; Linseed	1	
<i>Lycium barbarum</i> Matrimony Vine; Common Matrimony Vine; Ning Xia Gou Qi (Chin.); Barbary Matrimony Vine; Duke of Argyll's Eta Tree	1	
<i>Lycopersicon esculentum</i> Tomato	1	
<i>Lycopodium selago</i> Clubmoss	1	
<i>Lycopodium clavatum</i> Antler Herb; Clubmoss	1	
<i>Lycopus europeus</i> European Bugle	1	
<i>Malus domestica</i> Apple	1	190.0
<i>Medicago sativa</i> Alfalfa; Lucerne	1	

Plant	# Chemicals	Total PPM
<i>Melia azedarach</i> Chinaberry	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	
<i>Mentha x rotundifolia</i> Applemint	1	
<i>Menyanthes trifoliata</i> Water Trefoil; Bog Myrtle; Bogbean; Marsh Clover; Buckbean; Marsh Trefoil	2	
<i>Myroxylon balsamum</i> Tolu Balsam; Peru Balsam	1	
<i>Nerium oleander</i> Oleander	5	
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Ononis spinosa</i> Restharrow; Spiny Restharrow; Hauhechel (Ger.)	1	
<i>Opopanax chironium</i> Hercules All Heal; Opopanax	1	
<i>Oryza sativa</i> Rice	1	
<i>Panax quinquefolius</i> American Ginseng; Ginseng	1	
<i>Panax ginseng</i> Oriental Ginseng; Ginseng; Korean Ginseng; Chinese Ginseng	1	
<i>Papaver somniferum</i> Opium Poppy; Poppyseed Poppy	1	
<i>Petroselinum crispum</i> Parsley	1	
<i>Phaseolus vulgaris</i> Popping Bean; Pop Bean; Haricot; Navy Bean; French Bean; Dwarf Bean; Black Bean; Snap Bean; Haricot Bean; Field Bean; Wax Bean; Green Bean; Garden Bean; Flageolet Bean; Kidney Bean; String Bean; Haricot Vert	1	
<i>Picrorhiza kurrooa</i> Picrorhiza	1	
<i>Pimpinella anisum</i> Anise; Sweet Cumin	1	
<i>Pinus sylvestris</i> Scotch Pine	1	
<i>Pisum sativum</i> Pea	1	
<i>Plantago major</i> Common Plantain	1	
<i>Polygala senega</i> Senega; Seneca Snakeroot	1	
<i>Portulaca oleracea</i> Verdolaga; Purslane	1	
<i>Prunus spinosa</i> Sloe; Blackthorn	1	
<i>Prunus persica</i> Peach	1	
<i>Prunus dulcis</i> Almond	1	
<i>Prunus domestica</i> Plum	1	
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Psoralea corylifolia</i> Babchi; Black Dot; Malaya Tea	1	
<i>Pteridium aquilinum</i> Bracken; Bracken Fern	1	
<i>Pueraria montana</i> Kudsu; Kudzu	1	
<i>Punica granatum</i> Granatapfelstrauch (Ger.); Grenadier (Fr.); Granado (Sp.); Granatapfelbaum (Ger.); Mangrano (Sp.); Romanzeiro (Port.); Pomegranate; Zakuro (Jap.)	1	
<i>Raphanus sativus</i> Radish	1	32.0
<i>Rheum rhabarbarum</i> Rhubarb	1	16.0
<i>Rheum palmatum</i> Chinese Rhubarb	1	
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Ribes uva-crispa</i> Gooseberry	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Ricinus communis</i> Castorbean	1	
<i>Rosa multiflora</i> Multiflora Rose	1	
<i>Rosa canina</i> Dogbrier; Rose; Dog Rose	1	

Plant	# Chemicals	Total PPM
<i>Rubus idaeus</i> Red Raspberry; Raspberry	1	
<i>Rubus fruticosus</i> Blackberry	1	
<i>Salvia</i> sp. Chia	1	
<i>Salvia officinalis</i> Sage	1	
<i>Sambucus nigra</i> Elder; Black Elder; European Elder; European Alder; European Elderberry	1	
<i>Serenoa repens</i> Saw Palmetto; Scrub-Palmetto	1	
<i>Sesamum indicum</i> Sesame; Ajonjoli (Sp.); Beni; Benneseed; Sesamo (Sp.)	1	
<i>Solanum tuberosum</i> Potato	1	253.0
<i>Solanum melongena</i> Aubergine; Eggplant	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Spinacia oleracea</i> Spinach	1	32.0
<i>Stellaria media</i> Chickweed; Common Chickweed	1	
<i>Strophanthus kombe</i> Kombe Arrow Poison	2	
<i>Strophanthus hispidus</i> Hispid Ouabain	2	13000.0
<i>Strophanthus gratus</i> Ouabain	1	
<i>Strophanthus divaricatus</i> Arrow Poison	1	
<i>Taraxacum officinale</i> Dandelion	1	
<i>Taxus baccata</i> Common Yew	1	
<i>Tecoma stans</i> Yellow Elder	1	
<i>Theobroma cacao</i> Cacao	2	
<i>Thymus vulgaris</i> Common Thyme; Thyme; Garden Thyme	1	
<i>Triticum aestivum</i> Wheat	1	64.0
<i>Urginea maritima</i> European Squill	5	3100.0
<i>Urginea indica</i> Sea-Onion; Indian Squill	1	
<i>Urtica dioica</i> Stinging Nettle; European Nettle	1	
<i>Vaccinium myrtillus</i> Whortleberry; Bilberry; Dwarf Bilberry	1	
<i>Vaccinium macrocarpon</i> American Cranberry; Large Cranberry; Cranberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Vanilla planifolia</i> Bourbon Vanilla; Vanilla	1	
<i>Vicia faba</i> Faba Bean; Habas; Broadbean	1	
<i>Viola odorata</i> Common Violet; Sweet Violet	1	
<i>Viscum album</i> European Mistletoe	1	
<i>Vitis vinifera</i> Grape; Parra (Sp.); Vigne Vinifere (Fr.); European Grape; Wine Grape; Weinrebe (Ger.); Vid (Sp.); Grapevine	1	
<i>Zea mays</i> Corn	1	54.0
<i>Zingiber officinale</i> Ginger	1	