

*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
Acacia nilotica Babul	2	
Achillea millefolium Yarrow; Milfoil	2	
Aconitum napellus Garden Wolfsbane; Blue Rocket; Queen's Fettle; Soldier's Cap; Turk's Cap; Friar's Cap; Helmet Flower; Bear's-Foot; Aconite; European Aconite; Garden Monkshood; Monkshood	2	
Actaea dahurica Sheng ma; Xing an sheng ma	1	
Actaea cimicifuga Bugbane; Foetid Bugbane; Sheng ma	1	
Adonis vernalis Spring Adonis	2	
Agrimonia eupatoria Sticklewort; Agrimony	2	
Albizia lebeck Koko; Frywood; Siris Tree; East Indian Walnut; Lebbek Tree; Lebbek; Women's-Tongue Tree	1	
Allium schoenoprasum Chives	1	
Allium sativum var. sativum Garlic	2	40.0
Allium cepa Onion; Shallot	1	
Allium ampeloprasum Elephant Garlic; Kurrat	2	
Althaea officinalis Marshmallow; White Mallow	2	
Anadenanthera peregrina Niopo; Cohoba	1	
Anadenanthera colubrina Cohoba; Niopo	1	
Ananas comosus Pineapple	1	
Anethum graveolens Garden Dill; Dill	2	
Angelica archangelica Wild Parsnip; Garden Angelica; Angelica	2	
Annona muricata Soursop	1	
Anogeissus latifolia Gum Ghatti	1	
Apium graveolens Celery	2	
Arachis hypogaea Groundnut; Peanut	2	46.0
Arctium lappa Burdock; Great Burdock; Gobo	2	5000.0
Arctostaphylos uva-ursi Bearberry; Uva Ursi	1	
Armoracia rusticana Horseradish	1	
Arnica montana Mountain Tobacco; Leopard's-Bane	2	
Artemisia dracunculus Tarragon	2	
Artemisia capillaris Capillary Wormwood	1	
Artemisia absinthium Wormwood	1	
Artemisia abrotanum Southernwood	2	
Arundo donax Giant Reed	1	
Asimina triloba Pawpaw	1	
Aspalathus linearis Rooibos; Kaffree Tea; Red Bush Tea	1	
Astragalus membranaceus Huang Qi; Huang-Chi	2	
Avena sativa Oats	1	
Ballota nigra Black Horehound	2	
Berberis vulgaris Barberry	2	
Beta vulgaris Garden Beet; Sugar Beet; Beetroot; Beet	2	

Plant	# Chemicals	Total PPM
<i>Boehmeria nivea</i> Ramie	1	
<i>Brassica pekinensis</i> Chinese Cabbage	1	22.0
<i>Brassica oleracea</i> var. <i>italica</i> Cape Broccoli; Calabrese; Sprouting Broccoli; Broccoli; Asparagus Broccoli; Winter Broccoli; Heading Broccoli; Purple Cauliflower	2	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussel-Sprout; Brussels-Sprouts	1	68.0
<i>Brassica oleracea</i> var. <i>capitata</i> I. Cabbage; Red Cabbage; White Cabbage	2	154.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	2	16.0
<i>Brassica nigra</i> Black Mustard	2	
<i>Calendula officinalis</i> Pot-Marigold; Calendula	2	
<i>Camellia sinensis</i> Tea	2	
<i>Capsicum frutescens</i> Chili; Hot Pepper; Red Chili; Spur Pepper; Tabasco; Cayenne	2	64.0
<i>Capsicum annuum</i> Cherry Pepper; Cone Pepper; Green Pepper; Bell Pepper; Sweet Pepper; Paprika	2	22.0
<i>Carica papaya</i> Papaya	1	
<i>Carum carvi</i> Carum; Comino de prado (Sp.); Kummel (Ger.); Caraway; Comino (Sp.)	1	
<i>Castanea sativa</i> European Chestnut	1	
<i>Catalpa bignonioides</i> Indian bean	1	
<i>Ceiba pentandra</i> Kapok; Silk-Cotton Tree	1	
<i>Centaurea cyanus</i> Bachelor's Button; Cornflower	2	
<i>Centaurium erythraea</i> Centaury	1	
<i>Ceratonia siliqua</i> Carob; Locust Bean; St.John's-Bread	1	
<i>Chamaemelum nobile</i> Perennial Camomile; Garden Camomile; Roman Camomile	1	
<i>Cicer arietinum</i> Chickpea; Garbanzo	1	
<i>Cichorium intybus</i> Succory; Chicory; Witloof	2	1534.0
<i>Cichorium endivia</i> Endive; Escarole	1	
<i>Cimicifuga dahurica</i> Sheng Ma	1	
<i>Cinchona</i> spp Quinine	1	
<i>Cinchona pubescens</i> Quinine; Red Cinchona; Red Peruvian-Bark; Redbark	2	
<i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon	1	
<i>Cinnamomum camphora</i> Camphor; Ho Leaf	1	
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrullus colocynthis</i> Colocynth	2	
<i>Citrus sinensis</i> Orange	1	100.0
<i>Citrus paradisi</i> Grapefruit	1	102.0
<i>Citrus limon</i> Lemon	1	70.0
<i>Clematis vitalba</i> Traveler's Joy	2	
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Coccinia grandis</i> Kundree; Tindori; Little Gourd; Pepasan; Ivy Gourd; Tindora; Kanduri	1	
<i>Coffea arabica</i> Coffee	2	180000.0
<i>Cola acuminata</i> Abata Cola	1	
<i>Coleus barbatus</i> Forskohl's Coleus	1	
<i>Conium maculatum</i> Fool's Parsley; Spotted Hemlock; Hemlock; Spotted Parsley; Poison Hemlock; Carrot Fern	2	
<i>Convallaria majalis</i> Lily-Of-The-Valley	2	
<i>Conyza canadensis</i> Butterweed; Hogweed; Horseweed	1	

Plant	# Chemicals	Total PPM
<i>Corchorus olitorius</i> Nalta Jute; Jew's Mallow; Mulukiya	1	
<i>Coriandrum sativum</i> Coriander; Cilantro; Chinese Parsley	2	640.0
<i>Coriaria myrtifolia</i> Mealy Tree	1	
<i>Corylus americana</i> American Hazel; American Filbert	1	
<i>Crataegus rhipidophylla</i> Hawthorn	2	
<i>Crataegus pentagyna</i> Hawthorn	1	
<i>Crataegus monogyna</i> English Hawthorn; Hawthorn	2	
<i>Crataegus laevigata</i> Hawthorn; English Hawthorn; Woodland Hawthorn; Whitethorn	2	
<i>Crataegus cuneata</i> Hawthorn	1	
<i>Cucumis sativus</i> Cucumber	2	
<i>Cucumis melo</i> Cantaloupe; Melon; Nutmeg Melon; Muskmelon; Netted Melon; Persian Melon	1	
<i>Cucurbita pepo</i> Pumpkin	1	
<i>Curcuma longa</i> Turmeric; Indian Saffron	1	10.0
<i>Cyamopsis tetragonoloba</i> Siam-Bean; Cluster-Bean; Guar	2	
<i>Cydonia oblonga</i> Quince	1	
<i>Cynara cardunculus</i> Artichoke	3	1300.0
<i>Cytisus scoparius</i> Scotch Broom	1	
<i>Datura stramonium</i> Jimsonweed	2	
<i>Daucus carota</i> Carrot	2	
<i>Digitalis purpurea</i> Purple Foxglove	2	
<i>Dipsacus fullonum</i>	2	
<i>Dodonaea viscosa</i> Hopwood	1	
<i>Echinacea</i> spp Echinacea; Coneflower	3	
<i>Echinacea pallida</i> Pale Purple-Coneflower; Echinacea; Pale-Flower Echinacea	1	
<i>Echinacea angustifolia</i> Echinacea; Narrow Leaf Purple-Coneflower; Narrow Leaf Echinacea	2	
<i>Elaeagnus angustifolia</i> Russian Olive; Silver Berry	2	
<i>Elettaria cardamomum</i> Cardamom	1	
<i>Eleutherococcus senticosus</i> Wu jia; Eleuthero Ginseng; Siberian Ginseng; Spiny Ginseng; Ci wu jia (Pinyin)	2	
<i>Equisetum hyemale</i> Horsetail; Scouring Rush	1	
<i>Equisetum arvense</i> Horsetail; Field Horsetail	2	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Erythroxylum coca</i> Coca	2	
<i>Eucalyptus globulus</i> Eucalypt; Tasmanian Bluegum; Blue Gum	2	
<i>Eucommia ulmoides</i> Du Zhong; Gutta-Percha Tree; Tu Chung	2	
<i>Euphorbia pulcherrima</i> Poinsettia	1	
<i>Euphorbia lathyris</i> Mole Plant; Caper Spurge	1	34000.0
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	
<i>Euphrasia officinalis</i> Eyebright	1	
<i>Fagopyrum esculentum</i> Buckwheat	2	
<i>Ficus carica</i> Higo (Sp.); Echte Feige (Ger.); Higuera Comun (Sp.); Fico (Ital.); Fig; Feigenbaum (Ger.); Figuier Commun (Fr.); Figueira (Port.)	1	
<i>Foeniculum vulgare</i> Fennel	3	
<i>Fragaria</i> spp Strawberry	2	68.0

Plant	# Chemicals	Total PPM
<i>Gaultheria procumbens</i> Wintergreen; Checkerberry; Teaberry; Mountain Tea; Wintergrun (Ger.); Creeping Wintergreen	1	
<i>Gentiana lutea</i> Yellow Gentian; Gentian	1	
<i>Geranium thunbergii</i> Oriental Geranium; Gennoshiouko	1	
<i>Glechoma hederacea</i> Alehoof	2	
<i>Glycine max</i> Soybean	2	8.0
<i>Glycyrrhiza uralensis</i> Kan-Tsao; Chinese Licorice; Gan-Cao	1	
<i>Glycyrrhiza glabra</i> Licorice-Root; Commom Licorice; Licorice; Smooth Licorice	1	
<i>Harpagophytum procumbens</i> Devil's Claw; Grapple Plant	2	
<i>Hedera helix</i> Ivy	1	
<i>Helianthus annuus</i> Girasol; Sunflower	2	59608.0
<i>Helichrysum angustifolium</i> Everlasting; Immortelle	1	
<i>Hordeum vulgare</i> Barleygrass; Barley	2	
<i>Houttuynia cordata</i> Fishwort; Yu Xing Cao; Dokudami	1	
<i>Humulus lupulus</i> Hops	2	
<i>Hydrastis canadensis</i> Goldenseal	1	
<i>Hyoscyamus niger</i> Henbane	1	
<i>Hypericum perforatum</i> St. John's-wort; Goatweed; Hypericum; Common St. Johnswort; Klamath Weed	3	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Ilex paraguariensis</i> South American Holly; Paraguay Tea; Mate	1	
<i>Inonotus obliquus</i>	1	
<i>Ipomoea purga</i> Jalap	1	80000.0
<i>Ipomoea batatas</i> Sweet Potato	2	
<i>Juglans regia</i> English Walnut	2	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Common Juniper; Juniper	2	
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	
<i>Lactuca sativa</i> Lettuce	1	
<i>Laurus nobilis</i> Bayleaf; Bay Laurel; Bay; Sweet Bay; Grecian Laurel; Laurel	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Japanese Privet; Ligustri Fructus	1	
<i>Linum usitatissimum</i> Flax; Linseed	1	
<i>Lonicera japonica</i> Japanese Honeysuckle	1	
<i>Lophophora williamsii</i> Peyote	1	
<i>Lycopersicon esculentum</i> Tomato	2	48.0
<i>Lycopodium clavatum</i> Clubmoss; Antler Herb	1	
<i>Lycopus virginicus</i> Bugle	2	
<i>Lycopus europeus</i> European Bugle	2	
<i>Lythrum salicaria</i> Purple Loosestrife	1	
<i>Magnolia officinalis</i> Hou Pu; Chinese Magnolia; Magnolia-Bark	1	
<i>Magnolia kobus</i> Hsin-I; Xin-Yi	1	
<i>Mahonia repens</i> Oregon Grape-Holly; Oregon Grape; Oregon Barberry; Creeping Barberry	1	
<i>Malus domestica</i> Apple	2	2540.0

Plant	# Chemicals	Total PPM
<i>Maranta arundinacea</i> Arrowroot; Bermuda Arrowroot	1	
<i>Marrubium vulgare</i> Horehound; White Horehound	2	
<i>Matricaria recutita</i> Wild Camomile; Annual Camomile; German Camomile	2	
<i>Medicago sativa</i> Alfalfa; Lucerne	1	
<i>Melia azedarach</i> Chinaberry	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	
<i>Melissa officinalis</i> Bee Balm; Balm; Melissa; Lemonbalm	2	
<i>Mentha x rotundifolia</i> Applemint	1	
<i>Mentha x piperita</i> Peppermint	2	
<i>Menyanthes trifoliata</i> Marsh Clover; Bog Myrtle; Bogbean; Water Trefoil; Buckbean; Marsh Trefoil	2	
<i>Moringa oleifera</i> Benzolive Tree; Drumstick Tree; Horseradish Tree; Jacinto (Sp.); Ben Nut; Moringa; West Indian Ben	1	
<i>Morus alba</i> White Mulberry; Sang-Pai-Pi	2	
<i>Mucuna pruriens</i> Cowage; Velvetbean	1	
<i>Myristica fragrans</i> Muskatnussbaum (Ger.); Mace; Nutmeg; nogal moscado (Sp.); nuez moscada (Sp.)	1	
<i>Nandina domestica</i> Southern Heaven Bamboo; Nanten (Jap.); Sacred Bamboo; Heavenly Bamboo	1	
<i>Nicotiana tabacum</i> Tobacco	2	
<i>Ocimum basilicum</i> Cuban Basil; Basil; Sweet Basil	1	38100.0
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Olea europaea</i> Olive	1	
<i>Opuntia ficus-indica</i> Indian Fig; Prickly Pear; Nopal; Nopalito	1	
<i>Origanum vulgare</i> Pot Marjoram; European Oregano; Common Turkish Oregano; Wild Marjoram; Wild Oregano; Oregano	2	14120.0
<i>Origanum majorana</i> Sweet Marjoram; Marjoram	2	
<i>Panax ginseng</i> Korean Ginseng; Ginseng; Oriental Ginseng; Chinese Ginseng	1	
<i>Papaver somniferum</i> Opium Poppy; Poppysseed Poppy	1	
<i>Perilla frutescens</i> Perilla	1	
<i>Persea americana</i> Avocado	2	
<i>Petroselinum crispum</i> Parsley	2	
<i>Peucedanum ostruthium</i> Masterwort	2	
<i>Phaseolus vulgaris</i> Flageolet Bean; Haricot Bean; Black Bean; Field Bean; Dwarf Bean; Snap Bean; Pop Bean; Green Bean; Popping Bean; Haricot Vert; String Bean; Garden Bean; Kidney Bean; Haricot; French Bean; Navy Bean; Wax Bean	1	
<i>Phoenix dactylifera</i> Date Palm	1	
<i>Physalis peruviana</i> Cape Gooseberry; Ground Cherry	1	
<i>Pimpinella anisum</i> Anise; Sweet Cumin	2	
<i>Pinus sylvestris</i> Scotch Pine	2	
<i>Piper nigrum</i> White Pepper; Pepper; Black Pepper	1	
<i>Pisum sativum</i> Pea	1	
<i>Plantago major</i> Common Plantain	2	
<i>Pluchea carolinensis</i> Santa maria; Pito sico	1	
<i>Polypodium vulgare</i> Common Polypody; Sweet Fern	1	
<i>Portulaca oleracea</i> Verdolaga; Purslane	1	
<i>Prunus spinosa</i> Blackthorn; Sloe	1	
<i>Prunus serotina</i> Black Cherry; Wild Cherry	1	

Plant	# Chemicals	Total PPM
<i>Prunus persica</i> Peach	2	
<i>Prunus laurocerasus</i> Cherry Laurel	1	
<i>Prunus dulcis</i> Almond	1	
<i>Prunus domestica</i> Plum	2	
<i>Prunus cerasus</i> Sour Cherry	2	
<i>Prunus armeniaca</i> Apricot	2	
<i>Pteridium aquilinum</i> Bracken; Bracken Fern	1	
<i>Pterocarpus santalinus</i> Red Saunders	1	
<i>Pterocarpus marsupium</i> Indian Kino; Malabar Kino; bijasal	1	
<i>Punica granatum</i> Zakuro (Jap.); Pomegranate; Granado (Sp.); Granatapfelstrauch (Ger.); Mangrano (Sp.); Granatapfelbaum (Ger.); Romanzeiro (Port.); Grenadier (Fr.)	2	
<i>Pyrus communis</i> Pear	1	39400.0
<i>Raphanus sativus</i> Radish	1	182.0
<i>Rheum rhabarbarum</i> Rhubarb	1	16.0
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Rhododendron ponticum</i> Pontic Alpenrose	2	
<i>Ribes uva-crispa</i> Gooseberry	1	
<i>Ribes nigrum</i> Black Currant	2	
<i>Ricinus communis</i> Castorbean	1	
<i>Robinia pseudoacacia</i> Black Locust	1	
<i>Rosa damascena</i> Damask Rose	1	30000.0
<i>Rosa canina</i> Dog Rose; Dogbrier; Rose	1	
<i>Rosmarinus officinalis</i> Rosemary	2	
<i>Rubus</i> sp.	1	
<i>Rubus phoenicolasius</i> Wineberry; Japanese Wineberry; Wine Raspberry	1	
<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	2	
<i>Sambucus simpsonii</i> Simpson's elderberry	2	
<i>Sambucus nigra</i> European Elder; Elder; European Alder; European Elderberry; Black Elder	2	
<i>Sanguisorba minor</i> Small Burnet	1	
<i>Santolina chamaecyparissus</i> Lavender Cotton	1	
<i>Satureja montana</i> Savory; Winter Savory	2	
<i>Scopolia carniolica</i> Scopolia	2	
<i>Senna obtusifolia</i> Sicklepod	2	
<i>Sesamum indicum</i> Ajonjoli (Sp.); Beni; Sesamo (Sp.); Sesame; Benneseed	2	
<i>Solanum tuberosum</i> Potato	2	5701.0
<i>Solanum torvum</i> Susumba; Wild Eggplant	2	
<i>Solanum melongena</i> Aubergine; Eggplant	2	
<i>Solidago virgaurea</i> European Goldenrod; Woundwort	2	
<i>Solidago gigantea</i> Early Goldenrod	1	

Plant	# Chemicals	Total PPM
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Sorbus aucubaria</i> Rowan Berry	2	
<i>Spartium junceum</i> Genet; Spanish Broom; Weaver's Broom	1	
<i>Spinacia oleracea</i> Spinach	2	
<i>Stachys officinalis</i> Wood Betony; Purple Betony; Betony; Bishop's-Wort	2	10000.0
<i>Stachytarpheta jamaicensis</i> Brazilian Tea	1	
<i>Stellaria media</i> Chickweed; Common Chickweed	2	
<i>Strychnos nux-vomica</i> Nux-Vomica; Strychnine	1	
<i>Symphytum officinale</i> Comfrey	2	
<i>Tagetes patula</i> French Marigold	1	
<i>Tanacetum vulgare</i> Tansy	2	
<i>Taraxacum officinale</i> Dandelion	2	
<i>Taxus baccata</i> Common Yew	1	
<i>Tecoma stans</i> Yellow Elder	1	
<i>Teucrium scorodonia</i> Germander; Wood Germander	1	
<i>Teucrium scordium</i> Water Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	2	400.0
<i>Theobroma cacao</i> Cacao	2	
<i>Thymus vulgaris</i> Garden Thyme; Thyme; Common Thyme	2	33800.0
<i>Thymus serpyllum</i> Creeping Thyme	1	12400.0
<i>Tilia</i> sp. Basswood; Lime; Linden	2	
<i>Trifolium pratense</i> Red Clover; Peavine Clover; Purple Clover; Cowgrass	2	
<i>Triticum aestivum</i> Wheat	2	18.0
<i>Tropaeolum majus</i> Nasturtium	1	
<i>Uncaria tomentosa</i> Garabato Amarillo; Una de Gato; Cat's Claw	1	
<i>Uncaria guianensis</i> Ungunagi; Cat's Claw; Tambor Huasca; Una de Gato; Garabato Colorado	1	
<i>Urtica dioica</i> European Nettle; Stinging Nettle	2	
<i>Vaccinium vitis-idaea</i> Lingen; Cowberry; Lingonberry	1	
<i>Vaccinium myrtillus</i> Bilberry; Dwarf Bilberry; Whortleberry	2	
<i>Vaccinium macrocarpon</i> Large Cranberry; American Cranberry; Cranberry	1	
<i>Vaccinium corymbosum</i> Blueberry	2	6000.0
<i>Valeriana officinalis</i> Valerian; Garden-Heliotrope; Common Valerian	2	
<i>Verbena officinalis</i> Vervain	1	20000.0
<i>Viburnum prunifolium</i> Black Haw	1	
<i>Viburnum opulus</i> European Cranberry Bush; Snowballbush; Guelder Rose; Crampbark	2	
<i>Vicia faba</i> Faba Bean; Broadbean; Habas	2	344120.0
<i>Viscum album</i> European Mistletoe	1	
<i>Vitis vinifera</i> Wine Grape; Grape; European Grape; Weinrebe (Ger.); Grapevine; Vigne Vinifere (Fr.); Parra (Sp.); Vid (Sp.)	2	
<i>Withania somnifera</i> Ashwagandha	1	
<i>Zea mays</i> Corn	2	1.4
<i>Zingiber officinale</i> Ginger	2	