

*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> Milfoil; Yarrow	2	
<i>Acinos suaveolens</i>	1	
<i>Aconitum napellus</i> Aconite; Soldier's Cap; Monkshood; Garden Wolfsbane; Queen's Fettle; Bear's-Foot; Blue Rocket; Helmet Flower; European Aconite; Turk's Cap; Garden Monkshood; Friar's Cap	1	
<i>Actaea dahurica</i> Sheng ma; Xing an sheng ma	1	
<i>Actaea cimicifuga</i> Bugbane; Foetid Bugbane; Sheng ma	1	
<i>Adonis vernalis</i> Spring Adonis	1	
<i>Agrimonia eupatoria</i> Agrimony; Sticklewort	2	
<i>Albizia lebeck</i> Women's-Tongue Tree; East Indian Walnut; Koko; Siris Tree; Frywood; Lebbek; Lebbek Tree	1	
<i>Allium schoenoprasum</i> Chives	1	
<i>Allium sativum</i> var. <i>sativum</i> Garlic	2	40.0
<i>Allium cepa</i> Onion; Shallot	1	
<i>Allium ampeloprasum</i> Kurrat; Elephant Garlic	1	
<i>Aloysia citrodora</i> Lemon Verbena	1	
<i>Althaea officinalis</i> Marshmallow; White Mallow	1	
<i>Ananas comosus</i> Pineapple	1	
<i>Anethum graveolens</i> Garden Dill; Dill	2	
<i>Angelica archangelica</i> Garden Angelica; Wild Parsnip; Angelica	1	
<i>Anisochilus carnosus</i> Panjiri-ka Pat	1	
<i>Annona muricata</i> Soursop	1	
<i>Apium graveolens</i> Celery	2	
<i>Arachis hypogaea</i> Peanut; Groundnut	1	22.0
<i>Araucaria bidwillii</i> Monkey puzzle	1	
<i>Arctium lappa</i> Great Burdock; Burdock; Gobo	1	5000.0
<i>Arctostaphylos uva-ursi</i> Bearberry; Uva Ursi	1	
<i>Armoracia rusticana</i> Horseradish	1	
<i>Arnica montana</i> Leopard's-Bane; Mountain Tobacco	1	
<i>Artemisia dracunculus</i> Tarragon	2	
<i>Artemisia capillaris</i> Capillary Wormwood	1	
<i>Artemisia annua</i> Qinghao; Annual Mugwort (GRIN); Sweet Annie; Annual Wormwood (GRIN); Sweet Wormwood (GRIN)	1	
<i>Artemisia abrotanum</i> Southernwood	1	
<i>Asimina triloba</i> Pawpaw	1	
<i>Aspalathus linearis</i> Rooibos; Kaffree Tea; Red Bush Tea	1	
<i>Astragalus membranaceus</i> Huang Qi; Huang-Chi	1	
<i>Avena sativa</i> Oats	1	
<i>Ballota nigra</i> Black Horehound	2	
<i>Berberis vulgaris</i> Barberry	1	
<i>Beta vulgaris</i> Beetroot; Garden Beet; Sugar Beet; Beet	1	
<i>Brassica pekinensis</i> Chinese Cabbage	1	22.0

Plant	# Chemicals	Total PPM
<i>Brassica oleracea</i> var. <i>italica</i> Calabrese; Purple Cauliflower; Winter Broccoli; Cape Broccoli; Asparagus Broccoli; Broccoli; Heading Broccoli; Sprouting Broccoli	2	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussels-Sprouts; Brussel-Sprout	2	68.0
<i>Brassica oleracea</i> var. <i>capitata</i> I. Cabbage; White Cabbage; Red Cabbage	2	154.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	2	16.0
<i>Brassica nigra</i> Black Mustard	1	
<i>Calendula officinalis</i> Pot-Marigold; Calendula	1	
<i>Camellia sinensis</i> Tea	2	
<i>Capsicum frutescens</i> Spur Pepper; Chili; Red Chili; Hot Pepper; Tabasco; Cayenne	1	64.0
<i>Capsicum annuum</i> Sweet Pepper; Cherry Pepper; Paprika; Bell Pepper; Green Pepper; Cone Pepper	1	22.0
<i>Carica papaya</i> Papaya	1	
<i>Carum carvi</i> Comino (Sp.); Carum; Comino de prado (Sp.); Kummel (Ger.); Caraway	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>Centaurea calcitrapa</i> Star-Thistle	1	
<i>Centaureum erythraea</i> Centaury	1	
<i>Chamaemelum nobile</i> Garden Camomile; Perennial Camomile; Roman Camomile	2	
<i>Cichorium intybus</i> Witloof; Succory; Chicory	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> Red Peruvian-Bark; Quinine; Red Cinchona; Redbark	1	
<i>Cinnamomum verum</i> Cinnamon; Ceylon Cinnamon	1	
<i>Cinnamomum camphora</i> Camphor; Ho Leaf	1	
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrullus colocynthis</i> Colocynth	1	
<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	1	
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Coccinia grandis</i> Ivy Gourd; Pepasan; Little Gourd; Tindori; Kundree; Tindora; Kanduri	1	
<i>Coffea arabica</i> Coffee	1	
<i>Cola acuminata</i> Abata Cola	1	
<i>Colchicum autumnale</i> Autumn Crocus; Meadow Saffron	1	
<i>Coleus barbatus</i> Forskohl's Coleus	1	
<i>Conium maculatum</i> Poison Hemlock; Carrot Fern; Hemlock; Spotted Hemlock; Fool's Parsley; Spotted Parsley	1	
<i>Convallaria majalis</i> Lily-Of-The-Valley	1	
<i>Conyza canadensis</i> Hogweed; Butterweed; Horseweed	2	
<i>Coriandrum sativum</i> Chinese Parsley; Coriander; Cilantro	2	
<i>Corylus americana</i> American Hazel; American Filbert	1	

Plant	# Chemicals	Total PPM
<i>Costus speciosus</i> Wild Ginger; Crepe Ginger; Cane Reed	1	
<i>Crataegus rhipidophylla</i> Hawthorn	2	
<i>Crataegus monogyna</i> English Hawthorn; Hawthorn	2	
<i>Crataegus laevigata</i> Hawthorn; English Hawthorn; Whitethorn; Woodland Hawthorn	2	
<i>Cucumis sativus</i> Cucumber	1	
<i>Cucumis melo</i> Cantaloupe; Nutmeg Melon; Melon; Persian Melon; Netted Melon; Muskmelon	1	
<i>Cucurbita pepo</i> Pumpkin	1	
<i>Curcuma zedoaria</i> Shoti; Zedoary	1	2000.0
<i>Curcuma xanthorrhiza</i> Javan Turmeric; Temu Lawak	1	20000.0
<i>Curcuma longa</i> Indian Saffron; Turmeric	5	94898.0
<i>Cyamopsis tetragonoloba</i> Siam-Bean; Cluster-Bean; Guar	1	
<i>Cynara cardunculus</i> Artichoke	2	
<i>Daphne genkwa</i> Yuan Hua	1	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Daucus carota</i> Carrot	3	
<i>Digitalis purpurea</i> Purple Foxglove	2	
<i>Dipsacus fullonum</i>	1	
<i>Dodonaea viscosa</i> Hopwood	1	
<i>Echinacea</i> spp Echinacea; Coneflower	2	
<i>Echinacea angustifolia</i> Echinacea; Narrow Leaf Echinacea; Narrow Leaf Purple-Coneflower	1	
<i>Elaeagnus angustifolia</i> Russian Olive; Silver Berry	1	
<i>Elettaria cardamomum</i> Cardamom	1	
<i>Eleutherococcus senticosus</i> Ci wu jia (Pinyin); Wu jia; Eleuthero Ginseng; Siberian Ginseng; Spiny Ginseng	1	
<i>Ephedra sinica</i> Chinese Ephedra; Ma Huang	1	
<i>Equisetum hyemale</i> Horsetail; Scouring Rush	1	
<i>Equisetum arvense</i> Horsetail; Field Horsetail	2	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Eriodictyon californicum</i> Mountain Balm; Tarweed; Holy Herb; Bear's Weed; Gum Bush; California Yerba Santa; Hierba Santa; Consumptive's Weed; Yerba Santa	1	
<i>Erythroxylum coca</i> Coca	1	
<i>Eucalyptus globulus</i> Blue Gum; Tasmanian Bluegum; Eucalypt	3	
<i>Euphorbia pulcherrima</i> Poinsettia	1	
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	
<i>Euphrasia officinalis</i> Eyebright	2	
<i>Fagopyrum esculentum</i> Buckwheat	1	
<i>Ficus carica</i> Figueira (Port.); Figuiet Commun (Fr.); Fig; Echte Feige (Ger.); Feigenbaum (Ger.); Higo (Sp.); Fico (Ital.); Higuera Comun (Sp.)	1	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Fragaria</i> spp Strawberry	1	68.0
<i>Gaultheria procumbens</i> Creeping Wintergreen; Mountain Tea; Wintergrun (Ger.); Wintergreen; Teaberry; Checkerberry	1	
<i>Gentiana lutea</i> Gentian; Yellow Gentian	1	
<i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree	1	
<i>Glechoma hederacea</i> Alehoof	2	

Plant	# Chemicals	Total PPM
<i>Glycine max</i> Soybean	1	8.0
<i>Glycyrrhiza glabra</i> Commom Licorice; Licorice-Root; Smooth Licorice; Licorice	1	
<i>Harpagophytum procumbens</i> Grapple Plant; Devil's Claw	1	
<i>Helianthus annuus</i> Sunflower; Girasol	1	3608.0
<i>Helichrysum angustifolium</i> Immortelle; Everlasting	1	
<i>Hordeum vulgare</i> Barleygrass; Barley	1	
<i>Humulus lupulus</i> Hops	1	
<i>Hydnocarpus wightiana</i> Hindi Chaulmoogra	1	
<i>Hypericum perforatum</i> Klamath Weed; Hypericum; Common St. Johnswort; St. John's-wort; Goatweed	1	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Inonotus obliquus</i>	1	
<i>Ipomoea purga</i> Jalap	1	80000.0
<i>Ipomoea batatas</i> Sweet Potato	1	
<i>Jatropha gossypifolia</i> Spanish Physic Nut	1	
<i>Juglans regia</i> English Walnut	1	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Juniper; Common Juniper	2	
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	
<i>Lactuca sativa</i> Lettuce	1	
<i>Laurus nobilis</i> Grecian Laurel; Bayleaf; Sweet Bay; Laurel; Bay Laurel; Bay	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Japanese Privet; Ligustri Fructus	1	
<i>Linum usitatissimum</i> Flax; Linseed	1	
<i>Lycopersicon esculentum</i> Tomato	1	12.0
<i>Lycopodium clavatum</i> Antler Herb; Clubmoss	2	
<i>Lycopus virginicus</i> Bugle	1	
<i>Lycopus europeus</i> European Bugle	1	
<i>Maclura pomifera</i> Hedge Apple; Osage-Orange	1	
<i>Magnolia officinalis</i> Hou Pu; Chinese Magnolia; Magnolia-Bark	1	
<i>Magnolia kobus</i> Hsin-I; Xin-Yi	1	
<i>Malus domestica</i> Apple	2	2540.0
<i>Marrubium vulgare</i> White Horehound; Horehound	2	
<i>Matricaria recutita</i> German Camomile; Annual Camomile; Wild Camomile	2	
<i>Medicago sativa</i> Alfalfa; Lucerne	2	
<i>Melia azedarach</i> Chinaberry	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	
<i>Melissa officinalis</i> Melissa; Bee Balm; Lemonbalm; Balm	1	
<i>Mentha x rotundifolia</i> Applemint	2	
<i>Mentha x piperita</i> Peppermint	1	
<i>Mentha spicata</i> Hortela da Folha Miuda; Spearmint	1	
<i>Mentha aquatica</i> Water Mint	1	
<i>Menyanthes trifoliata</i> Water Trefoil; Bog Myrtle; Marsh Clover; Marsh Trefoil; Buckbean; Bogbean	1	

Plant	# Chemicals	Total PPM
<i>Moringa oleifera</i> Drumstick Tree; Horseradish Tree; Moringa; Benzolive Tree; Jacinto (Sp.); Ben Nut; West Indian Ben	1	
<i>Morus alba</i> White Mulberry; Sang-Pai-Pi	1	
<i>Myristica fragrans</i> nogal moscado (Sp.); nuez moscada (Sp.); Muskatnussbaum (Ger.); Nutmeg; Mace	1	
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Ocimum tenuiflorum</i> Anise-Scented Basil	1	
<i>Ocimum basilicum</i> Sweet Basil; Basil; Cuban Basil	2	38100.0
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Olea europaea</i> Olive	2	
<i>Ononis spinosa</i> Spiny Restharrow; Restharrow; Hauhechel (Ger.)	1	
<i>Origanum vulgare</i> Common Turkish Oregano; Oregano; European Oregano; Wild Marjoram; Pot Marjoram; Wild Oregano	2	14120.0
<i>Origanum majorana</i> Sweet Marjoram; Marjoram	1	
<i>Panax ginseng</i> Oriental Ginseng; Ginseng; Korean Ginseng; Chinese Ginseng	1	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Passiflora incarnata</i> Mayapple; Passionflower; Manzana de Mayo	1	
<i>Perilla frutescens</i> Perilla	2	
<i>Persea americana</i> Avocado	1	
<i>Petroselinum crispum</i> Parsley	2	
<i>Peucedanum ostruthium</i> Masterwort	1	
<i>Phaseolus vulgaris</i> Haricot Vert; Black Bean; Haricot; Flageolet Bean; Popping Bean; French Bean; Snap Bean; Wax Bean; Pop Bean; Green Bean; Field Bean; String Bean; Navy Bean; Kidney Bean; Dwarf Bean; Garden Bean; Haricot Bean	2	
<i>Phoenix dactylifera</i> Date Palm	1	
<i>Pimpinella anisum</i> Anise; Sweet Cumin	2	
<i>Pinus sylvestris</i> Scotch Pine	1	
<i>Pinus strobus</i> White Pine; Eastern White Pine	1	
<i>Piper nigrum</i> Black Pepper; White Pepper; Pepper	1	
<i>Pisum sativum</i> Pea	1	
<i>Plantago major</i> Common Plantain	2	
<i>Pogostemon cablin</i> Patchouli	1	
<i>Polypodium vulgare</i> Sweet Fern; Common Polypody	1	
<i>Populus tacamahacca</i> Balm Of Gilead	1	
<i>Populus nigra</i> Black Poplar	1	
<i>Portulaca oleracea</i> Purslane; Verdolaga	1	
<i>Prosopis juliflora</i> Mesquite	1	
<i>Prunus spinosa</i> Blackthorn; Sloe	1	
<i>Prunus serotina</i> Wild Cherry; Black Cherry	1	
<i>Prunus persica</i> Peach	1	
<i>Prunus laurocerasus</i> Cherry Laurel	1	
<i>Prunus dulcis</i> Almond	1	
<i>Prunus domestica</i> Plum	1	
<i>Prunus cerasus</i> Sour Cherry	3	
<i>Prunus armeniaca</i> Apricot	1	
<i>Pteridium aquilinum</i> Bracken Fern; Bracken	1	
<i>Pueraria montana</i> Kudzu; Kudzu	1	

Plant	# Chemicals	Total PPM
<i>Punica granatum</i> Granatapfelbaum (Ger.); Romanzeiro (Port.); Grenadier (Fr.); Granatapfelstrauch (Ger.); Zakuro (Jap.); Pomegranate; Mangrano (Sp.); Granado (Sp.)	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	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Rosa canina</i> Rose; Dog Rose; Dogbrier	1	
<i>Rosmarinus officinalis</i> Rosemary	2	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	1	
<i>Salix alba</i> White Willow	1	
<i>Salvia</i> sp. Chia	1	
<i>Salvia officinalis</i> Sage	2	
<i>Sambucus simpsonii</i> Simpson's elderberry	1	
<i>Sambucus nigra</i> European Elder; European Elderberry; Elder; Black Elder; European Alder	1	
<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	1	
<i>Scutellaria lateriflora</i> Scullcap; Mad-Dog Skullcap	1	
<i>Scutellaria galericulata</i> Marsh Skullcap	2	
<i>Scutellaria baicalensis</i> Chinese Skullcap; Huang Qin; Baikal Skullcap	2	
<i>Senna obtusifolia</i> Sicklepod	1	
<i>Serenoa repens</i> Saw Palmetto; Scrub-Palmetto	1	
<i>Sesamum indicum</i> Ajonjoli (Sp.); Sesame; Benneseed; Beni; Sesamo (Sp.)	1	
<i>Silybum marianum</i> Lady's Thistle; Milk Thistle	1	
<i>Solanum tuberosum</i> Potato	1	1680.0
<i>Solanum torvum</i> Susumba; Wild Eggplant	1	
<i>Solanum melongena</i> Eggplant; Aubergine	1	
<i>Solidago virgaurea</i> European Goldenrod; Woundwort	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spartium junceum</i> Weaver's Broom; Spanish Broom; Genet	2	
<i>Spinacia oleracea</i> Spinach	1	
<i>Stachys officinalis</i> Betony; Purple Betony; Wood Betony; Bishop's-Wort	2	10000.0
<i>Stellaria media</i> Chickweed; Common Chickweed	2	
<i>Symphytum officinale</i> Comfrey	1	
<i>Tagetes patula</i> French Marigold	1	
<i>Tanacetum vulgare</i> Tansy	2	
<i>Taraxacum officinale</i> Dandelion	1	
<i>Taxus baccata</i> Common Yew	1	

Plant	# Chemicals	Total PPM
<i>Tecoma stans</i> Yellow Elder	1	
<i>Teucrium scorodonia</i> Wood Germander; Germander	1	
<i>Teucrium polium</i> Golden Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	1	
<i>Theobroma cacao</i> Cacao	1	
<i>Thymus vulgaris</i> Garden Thyme; Thyme; Common Thyme	2	33800.0
<i>Thymus serpyllum</i> Creeping Thyme	2	12400.0
<i>Tilia</i> sp. Lime; Linden; Basswood	1	
<i>Trifolium pratense</i> Red Clover; Purple Clover; Peavine Clover; Cowgrass	1	
<i>Trigonella foenum-graecum</i> Alholva (Sp.); Fenugreek; Greek Clover; Greek Hay; Bockshornklee (Ger.)	1	
<i>Triticum aestivum</i> Wheat	2	8.0
<i>Urtica dioica</i> Stinging Nettle; European Nettle	1	
<i>Vaccinium vitis-idaea</i> Lingen; Cowberry; Lingonberry	1	
<i>Vaccinium myrtillus</i> Bilberry; Whortleberry; Dwarf Bilberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Valeriana officinalis</i> Common Valerian; Valerian; Garden-Heliotrope	1	
<i>Verbena officinalis</i> Vervain	1	20000.0
<i>Viburnum opulus</i> European Cranberry Bush; Crampbark; Snowballbush; Guelder Rose	1	
<i>Vicia faba</i> Faba Bean; Habas; Broadbean	1	
<i>Viscum album</i> European Mistletoe	1	
<i>Vitis vinifera</i> Weinrebe (Ger.); Vid (Sp.); Wine Grape; European Grape; Vigne Vinifere (Fr.); Grape; Grapevine; Parra (Sp.)	1	
<i>Zea mays</i> Corn	1	1.4
<i>Zingiber officinale</i> Ginger	2	