

*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 farnesiana Popinac; Huisache; Cassie; Sweet Acacia; Opopanax	1	
Acacia decurrens Green Wattle	1	
Acacia catechu Catechu; Black Cutch	1	
Achillea millefolium Yarrow; Milfoil	1	
Adiantum capillus-veneris Maidenhair Fern	1	
Aesculus hippocastanum Horse Chestnut	1	
Agathosma betulina Buchu; Mountain Buchu; Honey Buchu	2	1000.0
Agrimonia eupatoria Sticklewort; Agrimony	1	
Alisma plantago-aquatica Tse-Hsieh; Mud Plantain; Water Plantain; Ze-Xie	1	
Allium sativum var. sativum Garlic	1	
Allium cepa Onion; Shallot	1	
Amaranthus spinosus Spiny pigweed	1	
Amaranthus sp. Pigweed	1	
Ammi visnaga Visnaga	1	
Anastatica hierochuntica Jericho Rose	1	
Anethum graveolens Garden Dill; Dill	1	
Annona cherimola Cherimoya	1	
Apium graveolens Celery	1	340.0
Arachis hypogaea Groundnut; Peanut	1	
Araucaria bidwillii Monkey puzzle	1	
Artemisia vulgaris Mugwort	1	
Artemisia dracunculus Tarragon	1	1120.0
Artemisia absinthium Wormwood	1	
Artemisia abrotanum Southernwood	1	
Aspalathus linearis Rooibos; Red Bush Tea; Kaffree Tea	1	
Asparagus officinalis Asparagus	1	
Azadirachta indica Neem	1	
Barosma betulina Buchu	1	1000.0
Berberis vulgaris Barberry	1	
Brassica oleracea var. italica Sprouting Broccoli; Purple Cauliflower; Asparagus Broccoli; Winter Broccoli; Broccoli; Cape Broccoli; Calabrese; Heading Broccoli	1	
Brassica oleracea var. gemmifera Brussels-Sprouts; Brussel-Sprout	1	40.0
Brassica oleracea var. botrytis I. Cauliflower	1	
Caesalpinia pulcherrima Bird Of Paradise	1	
Calendula officinalis Calendula; Pot-Marigold	1	
Camellia sinensis Tea	1	2780.0
Capparis spinosa Caperbush; Caper	1	
Capsella bursa-pastoris Shepherd's Purse	2	
Capsicum frutescens Spur Pepper; Red Chili; Chili; Tabasco; Hot Pepper; Cayenne	1	

Plant	# Chemicals	Total PPM
<i>Capsicum annuum</i> Paprika; Cherry Pepper; Green Pepper; Sweet Pepper; Bell Pepper; Cone Pepper	1	
<i>Centaurea calcitrapa</i> Star-Thistle	1	
<i>Chamaemelum nobile</i> Garden Camomile; Roman Camomile; Perennial Camomile	1	
<i>Cichorium intybus</i> Chicory; Succory; Witloof	1	
<i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon	1	
<i>Cinnamomum sieboldii</i> Japanese Cinnamon	1	
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrus sinensis</i> Orange	2	30200.0
<i>Citrus reticulata</i> Mandarin; Tangerine	1	
<i>Citrus limon</i> Lemon	2	14.0
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Conium maculatum</i> Spotted Parsley; Fool's Parsley; Poison Hemlock; Carrot Fern; Spotted Hemlock; Hemlock	1	80000.0
<i>Convallaria majalis</i> Lily-Of-The-Valley	1	
<i>Coriandrum sativum</i> Coriander; Chinese Parsley; Cilantro	1	
<i>Cornus mas</i> Sorbet; Cornelian Cherry	1	
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus pentagyna</i> Hawthorn	1	
<i>Crataegus monogyna</i> Hawthorn; English Hawthorn	2	
<i>Crataegus laevigata</i> English Hawthorn; Woodland Hawthorn; Whitethorn; Hawthorn	2	
<i>Croton lechleri</i> Sangre de Dragon; Sangre de Drago; Dragons Blood; Sangre de Grado	1	
<i>Cucumis melo</i> Melon; Netted Melon; Cantaloupe; Muskmelon; Persian Melon; Nutmeg Melon	1	
<i>Cymbopogon citratus</i> Lemongrass; West Indian Lemongrass	1	
<i>Cynara cardunculus</i> Artichoke	1	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Dictamnus albus</i> Gas Plant; Burning Bush; Akgiritotu; Gazelotu; Dittany	2	
<i>Dodonaea viscosa</i> Hopwood	1	
<i>Echinacea</i> spp Coneflower; Echinacea	1	
<i>Echinacea purpurea</i> Eastern Purple-Coneflower; Purple-Coneflower; Echinacea	1	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Erythroxylum novogranatense</i> Coca	1	10000.0
<i>Erythroxylum coca</i> Coca	1	10000.0
<i>Eschscholzia californica</i> California Poppy	1	55000.0
<i>Eucalyptus macrorrhuncha</i>	1	
<i>Eucalyptus globulus</i> Eucalypt; Blue Gum; Tasmanian Bluegum	1	
<i>Eucalyptus citriodora</i> Lemon Eucalyptus; Spotted Gum; Citron-Scented Gum; Lemon-Scented Gum	1	
<i>Eupatorium perfoliatum</i> Boneset	1	
<i>Euphorbia pulcherrima</i> Poinsettia	1	
<i>Euphrasia officinalis</i> Eyebright	1	
<i>Fagopyrum esculentum</i> Buckwheat	2	468900.0
<i>Fallopia japonica</i> Hu-Zhang; Mexican Bamboo; Japanese Knotweed; Giant Knotweed	1	
<i>Ficus carica</i> Higo (Sp.); Echte Feige (Ger.); Fig; Figueira (Port.); Higuera Comun (Sp.); Figuier Commun (Fr.); Fico (Ital.); Feigenbaum (Ger.)	1	15300.0

Plant	# Chemicals	Total PPM
<i>Filipendula ulmaria</i> Meadowsweet; Queen Of The Meadow	1	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Forsythia suspensa</i> Lien-Chiao; Lian-Jiao	1	2000.0
<i>Galega officinalis</i> Goat's Rue; Galega	1	
<i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree	2	
<i>Glechoma hederacea</i> Alehoof	1	
<i>Glycine max</i> Soybean	1	
<i>Glycyrrhiza uralensis</i> Gan-Cao; Kan-Tsao; Chinese Licorice	1	
<i>Gossypium sp</i> Cotton	1	
<i>Hedeoma pulegioides</i> American Pennyroyal	1	20000.0
<i>Hedera helix</i> Ivy	1	
<i>Hemidesmus indicus</i> Indian Sarsaparilla	1	
<i>Hibiscus sabdariffa</i> Sorrel; Rosella (Ger.); Kharkadi; Jamaica Sorrel; Red Sorrel; Malventee (Ger.); Indian Sorrel; Roselle; Acedera de Guinea (Sp.); Sereni (Sp.); Rosa de Jamaica (Sp.)	1	
<i>Houttuynia cordata</i> Fishwort; Yu Xing Cao; Dokudami	1	
<i>Humulus lupulus</i> Hops	1	4000.0
<i>Hydrangea paniculata</i> Peegee	1	82000.0
<i>Hydrangea arborescens</i> Hydrangea; Smooth Hydrangea	1	
<i>Hyoscyamus niger</i> Henbane	1	
<i>Hypericum perforatum</i> Hypericum; Klamath Weed; Goatweed; Common St. Johnswort; St. John's-wort	2	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Ilex paraguariensis</i> Mate; South American Holly; Paraguay Tea	1	
<i>Illicium verum</i> anis de China (Sp.); Star Anise; Chinese Star Anise; Chinesischer Sternanis (Ger.); Sternanis (Ger.); anis estrellado (Sp.)	2	
<i>Juniperus communis</i> Juniper; Common Juniper	1	
<i>Krameria triandra</i> Rhatany	1	
<i>Laurus nobilis</i> Bayleaf; Laurel; Bay; Sweet Bay; Grecian Laurel; Bay Laurel	2	
<i>Leonurus cardiaca</i> Motherwort	1	
<i>Ligustrum lucidum</i> Privet; Ligustri Fructus; Glossy Privet; White Waxtree; Chinese Privet	1	
<i>Lycium chinense</i> Chinese Boxthorn; Chinese Matrimony Vine; Lyciet de Chine (Fr.); Kuko (Jap.); Chinese Wolfberry; Wolfberry; <i>Kaukichai</i> (Malays.); <i>Spina Santa</i> Cinese (Ital.); Chinesischer Bocksdom (Ger.); Daun Koki (Indones.); Gou Qi (Chin.)	1	
<i>Lycopersicon esculentum</i> Tomato	1	48000.0
<i>Maclura pomifera</i> Osage-Orange; Hedge Apple	1	
<i>Magnolia kobus</i> Xin-Yi; Hsin-I	1	1000.0
<i>Magnolia denudata</i> Xin-Yi; Hsin-I	1	
<i>Malus domestica</i> Apple	1	
<i>Matricaria recutita</i> Wild Camomile; German Camomile; Annual Camomile	1	
<i>Melia azedarach</i> Chinaberry	1	
<i>Mentha x piperita</i> Peppermint	1	
<i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda	1	
<i>Mentha pulegium</i> European Pennyroyal	1	
<i>Mentha longifolia</i> Biblical Mint	1	
<i>Menyanthes trifoliata</i> Marsh Clover; Marsh Trefoil; Water Trefoil; Bogbean; Buckbean; Bog Myrtle	1	

Plant	# Chemicals	Total PPM
<i>Mercurialis annua</i> Annual Mercury	1	
<i>Morinda citrifolia</i> Indian Mulberry; Noni	1	
<i>Morus alba</i> Sang-Pai-Pi; White Mulberry	1	120000.0
<i>Musa x paradisiaca</i> Banana; Plantain	1	
<i>Nasturtium officinale</i> Berro; Watercress	1	
<i>Nelumbo nucifera</i> Water Lotus	1	
<i>Nerium oleander</i> Oleander	1	
<i>Nicotiana tabacum</i> Tobacco	1	20000.0
<i>Nicotiana glauca</i> Tree Tobacco	1	42000.0
<i>Nigella sativa</i> Black Cumin; Roman Coriander; Nutmeg-Flower; Fennel-Flower; Black Caraway	1	
<i>Ocimum basilicum</i> Sweet Basil; Basil; Cuban Basil	1	
<i>Olea europaea</i> Olive	1	
<i>Opuntia ficus-indica</i> Nopalito; Indian Fig; Nopal; Prickly Pear	1	
<i>Origanum vulgare</i> Oregano; European Oregano; Wild Oregano; Common Turkish Oregano; Wild Marjoram; Pot Marjoram	1	
<i>Origanum majorana</i> Marjoram; Sweet Marjoram	1	
<i>Passiflora incarnata</i> Mayapple; Passionflower; Manzanilla de Mayo	1	
<i>Pastinaca sativa</i> Parsnip	1	
<i>Persea americana</i> Avocado	1	
<i>Petroselinum crispum</i> Parsley	1	60000.0
<i>Phaseolus vulgaris</i> Haricot Bean; Black Bean; String Bean; Wax Bean; Popping Bean; Flageolet Bean; Garden Bean; Haricot Vert; Pop Bean; Green Bean; French Bean; Field Bean; Navy Bean; Haricot; Snap Bean; Kidney Bean; Dwarf Bean	1	
<i>Phaseolus aborigineus</i>	1	
<i>Phoenix dactylifera</i> Date Palm	1	
<i>Phyllanthus niruri</i> Seed On The Leaf	1	
<i>Phyllanthus emblica</i> Emblic; Myrobalan	1	
<i>Phyllanthus amarus</i>	1	
<i>Physalis peruviana</i> Cape Gooseberry; Ground Cherry	1	
<i>Pimenta dioica</i> Allspice; Pimento; Pimenta; Jamaica-Pepper; Clover-Pepper	1	
<i>Pimpinella anisum</i> Anise; Sweet Cumin	1	
<i>Piper nigrum</i> Black Pepper; Pepper; White Pepper	1	
<i>Plumeria acutifolia</i> Frangipani	1	
<i>Polygonum hydropiper</i> Common Smartweed	1	60000.0
<i>Polygonum aviculare</i> Prostrate Knotweed	1	
<i>Prunella vulgaris</i> Self-Heal; Heal-All	1	
<i>Prunus spinosa</i> Blackthorn; Sloe	1	
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Prunus armeniaca</i> Apricot	2	35400.0
<i>Pteridium aquilinum</i> Bracken; Bracken Fern	1	
<i>Pueraria montana</i> Kudzu; Kudzu	1	
<i>Punica granatum</i> Mangrano (Sp.); Pomegranate; Romanzeiro (Port.); Granatapfelstrauch (Ger.); Granatapfelbaum (Ger.); Grenadier (Fr.); Zakuro (Jap.); Granada (Sp.)	1	
<i>Rheum rhabarbarum</i> Rhubarb	1	12000.0
<i>Rheum officinale</i> Chinese Rhubarb	1	

Plant	# Chemicals	Total PPM
<i>Ribes nigrum</i> Black Currant	1	
<i>Ricinus communis</i> Castorbean	1	4000.0
<i>Rosa multiflora</i> Multiflora Rose	1	
<i>Rosmarinus officinalis</i> Rosemary	1	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	1	
<i>Rumex crispus</i> Curly Dock; Sour Dock; Yellow Dock; Lengua De Vaca	1	
<i>Rumex acetosella</i> Sheep Sorrel	1	10600.0
<i>Rumex acetosa</i> Garden Sorrel	1	25600.0
<i>Ruscus aculeatus</i> Box-Holly; Butcher's Broom	1	800.0
<i>Ruta graveolens</i> Rue	1	40000.0
<i>Salix alba</i> White Willow	1	
<i>Sambucus nigra</i> European Alder; European Elder; Black Elder; European Elderberry; Elder	1	18400.0
<i>Sambucus canadensis</i> Sweet Elder; American Elder; American Elderberry; Elderberry	1	73000.0
<i>Scopolia carniolica</i> Scopolia	1	
<i>Selenicereus grandiflorus</i> Queen-of-the-Night; Night-Blooming Cereus	1	
<i>Serenoa repens</i> Scrub-Palmetto; Saw Palmetto	1	
<i>Smilax china</i> China Root	1	
<i>Solanum tuberosum</i> Potato	1	
<i>Solidago virgaurea</i> European Goldenrod; Woundwort	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	868000.0
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spinacia oleracea</i> Spinach	1	340.0
<i>Stellaria media</i> Common Chickweed; Chickweed	1	
<i>Stevia rebaudiana</i> Sweet Leaf of Paraguay; Stevia; Ca-A-E	1	
<i>Syringa vulgaris</i> Lilac	1	
<i>Tephrosia purpurea</i> Wild Indigo; Purple Tephrosia	1	
<i>Terminalia chebula</i> Myrobalan; Black Myrobalan; Ink Nut; Chebulic Myrobalan	1	
<i>Teucrium scorodonia</i> Germander; Wood Germander	1	
<i>Teucrium scordium</i> Water Germander	1	
<i>Teucrium montanum</i> Mountain Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	1	
<i>Teucrium botrys</i> Field Germander	1	
<i>Theobroma cacao</i> Cacao	2	
<i>Tribulus terrestris</i> Puncture-vine	1	
<i>Trigonella foenum-graecum</i> Greek Hay; Alholva (Sp.); Greek Clover; Fenugreek; Bockshornklee (Ger.)	1	
<i>Tussilago farfara</i> Coltsfoot	1	7200.0
<i>Uncaria tomentosa</i> Cat's Claw; Una de Gato; Garabato Amarillo	1	
<i>Uncaria guianensis</i> Tambor Huasca; Ungunagi; Una de Gato; Garabato Colorado; Cat's Claw	1	
<i>Urtica dioica</i> Stinging Nettle; European Nettle	1	
<i>Vaccinium myrtillus</i> Whortleberry; Bilberry; Dwarf Bilberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	

Plant	# Chemicals	Total PPM
<i>Vigna radiata</i> Mungbean; Green Gram	1	
<i>Viola tricolor</i> Wild Violet; Pansy	1	460000.0
<i>Viola odorata</i> Sweet Violet; Common Violet	1	40000.0
<i>Vitis vinifera</i> Grape; Parra (Sp.); Grapevine; Vigne Vinifere (Fr.); Vid (Sp.); European Grape; Weinrebe (Ger.); Wine Grape	1	
<i>Withania somnifera</i> Ashwagandha	1	
<i>Xylopia aethiopica</i> Mohrenpfeffer (Ger.); Guinea Pepper; Negro Pepper; Maniguete (Sp.); Ethiopian Pepper; Pimienta de Guinea (Sp.); Spice Tree	1	
<i>Zizyphus jujuba</i> Jujube; Ta-Tsao; Da-Zao	1	30000.0