

\*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>Abelmoschus esculentus</i> Okra	1	
<i>Acacia farnesiana</i> Sweet Acacia; Opopanax; Cassie; Huisache; Popinac	1	
<i>Achillea millefolium</i> Milfoil; Yarrow	1	
<i>Acinos suaveolens</i>	1	
<i>Acorus calamus</i> Sweetflag; Flagroot; Sweetroot; Sweet Calamus; Calamus; Myrtle Flag	1	
<i>Aegle marmelos</i> Bael de India; Bael fruit	1	
<i>Agastache rugosa</i>	2	
<i>Allium sativum</i> var. <i>sativum</i> Garlic	2	
<i>Aloysia citrodora</i> Lemon Verbena	2	4550.0
<i>Alpinia officinarum</i> Chinese Ginger; Lesser Galangal	1	
<i>Alpinia galanga</i> Languas; Greater Galangal; Siamese Ginger	1	
<i>Ananas comosus</i> Pineapple	1	
<i>Anethum graveolens</i> Dill; Garden Dill	2	
<i>Angelica archangelica</i> Angelica; Wild Parsnip; Garden Angelica	1	
<i>Anisomeles malabarica</i> Malabar Catmint	1	
<i>Annona reticulata</i> Custard Apple	1	
<i>Apium graveolens</i> Celery	1	
<i>Artemisia vulgaris</i> Mugwort	1	
<i>Artemisia dracunculus</i> Tarragon	2	
<i>Artemisia annua</i> Sweet Annie; Annual Wormwood (GRIN); Sweet Wormwood (GRIN); Annual Mugwort (GRIN); Qinghao	1	
<i>Ballota nigra</i> Black Horehound	1	
<i>Borago officinalis</i> Beeplant; Beebread; Talewort; Borage	1	14000.0
<i>Callicarpa americana</i> Beauty Berry; French Mulberry; American Beauty Berry	1	
<i>Camellia sinensis</i> Tea	1	
<i>Capsicum annuum</i> Cone Pepper; Bell Pepper; Green Pepper; Cherry Pepper; Paprika; Sweet Pepper	1	
<i>Carica papaya</i> Papaya	1	
<i>Carum carvi</i> Carum; Comino (Sp.); Kummel (Ger.); Caraway; Comino de prado (Sp.)	1	
<i>Centella asiatica</i> Gotu Kola; Pennywort	1	
<i>Chrysanthemum x morifolium</i> Chrysanthemum; Florist's Chrysanthemum; Ju Hua (Pinyin); Mum	1	
<i>Cinnamomum verum</i> Cinnamon; Ceylon Cinnamon	1	
<i>Cinnamomum aromaticum</i> Cassia; Zimtcassie (Ger.); Canelero chino (Sp.); Cannelier de Chine (Fr.); Canela de la China (Sp.); Cassia Bark; China Junk Cassia; Cassia Lignea; Kashi-Keihi (Jap.); Chinese Cinnamon; Chinazimt (Ger.); Cannelier Casse (Fr.); Saigon Cinnamon; Chinese Cassia; Chinesischer Zimtbaum (Ger.); Cannelle de Cochinchine (Fr.)	1	
<i>Citrullus colocynthis</i> Colocynth	1	
<i>Citrus sinensis</i> Orange	1	
<i>Citrus reticulata</i> Mandarin; Tangerine	1	
<i>Citrus paradisi</i> Grapefruit	1	
<i>Citrus medica</i> Citron	1	
<i>Citrus limon</i> Lemon	2	
<i>Citrus aurantium</i> Bitter Orange; Petitgrain	2	

Plant	# Chemicals	Total PPM
Citrus aurantiifolia Lime	2	
Cnicus benedictus Blessed Thistle	1	
Collinsonia canadensis Stone Root	1	
Conyza canadensis Hogweed; Horseweed; Butterweed	1	
Coriandrum sativum Chinese Parsley; Coriander; Cilantro	1	
Crataegus rhipidophylla Hawthorn	1	
Crataegus laevigata Woodland Hawthorn; Hawthorn; English Hawthorn; Whitethorn	1	
Crocus sativus Saffron	1	
Cuminum cyminum Cumin	1	
Curcuma longa Indian Saffron; Turmeric	1	
Cymbopogon winterianus Java Citronella; Mahapengiri	1	28.0
Cymbopogon flexuosus East Indian Lemongrass	1	8500.0
Cymbopogon citratus Lemongrass; West Indian Lemongrass	2	28980.0
Cytisus scoparius Scotch Broom	1	
Daucus carota Carrot	1	400.0
Elettaria cardamomum Cardamom	1	
Elsholtzia nipponica Hsiang Ju	1	
Eucalyptus tereticornis	1	
Eucalyptus sideroxylon	1	
Eucalyptus siderophloia	1	
Eucalyptus saligna	1	
Eucalyptus punctata	1	
Eucalyptus populnea	1	
Eucalyptus polyanthemos	1	
Eucalyptus paniculata	1	
Eucalyptus oviformis	1	
Eucalyptus occidentalis	1	
Eucalyptus moluccana	1	
Eucalyptus melliodora	1	
Eucalyptus maideni	1	
Eucalyptus maculata Gum	1	
Eucalyptus globulus Eucalypt; Tasmanian Bluegum; Blue Gum	1	
Eucalyptus diversicolor	1	
Eucalyptus dealbata	1	
Eucalyptus cladocalyx	1	
Eucalyptus citriodora Spotted Gum; Lemon-Scented Gum; Citron-Scented Gum; Lemon Eucalyptus	2	
Eucalyptus camaldulensis	1	
Eucalyptus brassiana Brasses' Eucalyptus	1	
Eucalyptus botryoides	1	
Eucalyptus bosistoana	1	
Eucalyptus blakelyi	1	
Eucalyptus astringens	1	

Plant	# Chemicals	Total PPM
<i>Eucalyptus albens</i>	1	
<i>Ficus carica</i> Higo (Sp.); Feigenbaum (Ger.); Fig; Figuier Commun (Fr.); Echte Feige (Ger.); Higuera Comun (Sp.); Fico (Ital.); Figueira (Port.)	1	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Fragaria</i> spp Strawberry	2	
<i>Gardenia jasminoides</i> Zhi Zi; Gardenia; Cape Jasmine; Shan-Zhi-Zi; Jasmin; Shan-Chih-Tzu	1	
<i>Ginkgo biloba</i> Maidenhair Tree; Ginkgo	1	
<i>Glechoma hederacea</i> Alehoof	1	50000.0
<i>Glycyrrhiza glabra</i> Licorice; Licorice-Root; Commom Licorice; Smooth Licorice	1	
<i>Helianthus annuus</i> Sunflower; Girasol	2	
<i>Hesperis matronalis</i> Dame's-Violet; Dame's Rocket; Sweet Rocket; Damask-Violet	1	
<i>Hibiscus sabdariffa</i> Indian Sorrel; Sereni (Sp.); Kharkadi; Roselle; Sorrel; Acedera de Guinea (Sp.); Jamaica Sorrel; Rosa de Jamaica (Sp.); Malventee (Ger.); Red Sorrel; Rosella (Ger.)	1	
<i>Humulus lupulus</i> Hops	2	
<i>Hypericum perforatum</i> Klamath Weed; St. John's-wort; Common St. Johnswort; Hypericum; Goatweed	1	
<i>Hyssopus officinalis</i> Hyssop	2	10000.0
<i>Illicium verum</i> Sternanis (Ger.); anis de China (Sp.); anis estrellado (Sp.); Chinesischer Sternanis (Ger.); Chinese Star Anise; Star Anise	1	
<i>Juniperus communis</i> Common Juniper; Juniper	1	
<i>Lantana camara</i> Lantana; Wild Sage	2	
<i>Laurus nobilis</i> Bayleaf; Sweet Bay; Bay; Grecian Laurel; Bay Laurel; Laurel	2	
<i>Lavandula x intermedia</i> Lavandin; Dutch Lavender	1	10000.0
<i>Lavandula latifolia</i> Broad-Leaved Lavender; Spike Lavender; Aspic	1	14000.0
<i>Lavandula angustifolia</i> English Lavender	2	24000.0
<i>Levisticum officinale</i> Lovage	1	
<i>Lippia alba</i> White Lippia	1	
<i>Lycopersicon esculentum</i> Tomato	1	
<i>Lycopus virginicus</i> Bugle	1	
<i>Lycopus europeus</i> European Bugle	1	74000.0
<i>Magnolia fargesii</i> Hsin-I; Xin-Yi	1	
<i>Melaleuca viridiflora</i> Niaouli; Broad-Leaf Tea-Tree	1	
<i>Melaleuca alternifolia</i> Teatree	1	
<i>Melissa officinalis</i> Balm; Melissa; Lemonbalm; Bee Balm	3	55400.0
<i>Mentha x rotundifolia</i> Applemint	2	71500.0
<i>Mentha x piperita</i> Peppermint	2	63600.0
<i>Mentha spicata</i> Hortela da Folha Miuda; Spearmint	2	110400.0
<i>Mentha pulegium</i> European Pennyroyal	2	60000.0
<i>Mentha longifolia</i> Biblical Mint	2	
<i>Mentha arvensis</i> var. <i>piperascens</i> Cornmint; Japanese Mint; Field Mint	2	56456.0
<i>Mentha aquatica</i> Water Mint	2	54000.0
<i>Momordica charantia</i> Sorosi; Bitter Melon	1	
<i>Monarda fistulosa</i> Wild Bergamot	1	40000.0
<i>Monarda didyma</i> Beebalm; Oswego Tea	1	36000.0

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<i>Monarda citriodora</i> Lemon Mint	1	
<i>Murraya</i> sp None	1	
<i>Murraya koenigii</i> Indian Curry Tree; Curry Leaf; Curry Leaf Tree	1	
<i>Musa</i> x <i>paradisica</i> Plantain; Banana	1	1400.0
<i>Myrica cerifera</i> Bayberry; Wax Myrtle; Candle-Berry; Southern Bayberry	1	
<i>Myristica fragrans</i> nuez moscada (Sp.); Nutmeg; nogal moscado (Sp.); Mace; Muskatnussbaum (Ger.)	1	
<i>Myrtus communis</i> Arrayan (Sp.); Mirto (Sp.); Myrtle; Myrte (Ger.)	1	
<i>Nepeta cataria</i> Catnip	2	4000.0
<i>Ocimum tenuiflorum</i> Anise-Scented Basil	2	
<i>Ocimum gratissimum</i> Agbo; Shrubby Basil	1	
<i>Ocimum canum</i> Hoary Basil	1	
<i>Ocimum basilicum</i> Cuban Basil; Basil; Sweet Basil	3	34300.0
<i>Origanum vulgare</i> Pot Marjoram; Wild Marjoram; Common Turkish Oregano; Oregano; European Oregano; Wild Oregano	2	183180.0
<i>Origanum sipyleum</i> Bayircayi; Guveyoto	1	
<i>Origanum majorana</i> Marjoram; Sweet Marjoram	3	66000.0
<i>Panax quinquefolius</i> American Ginseng; Ginseng	1	
<i>Panax notoginseng</i> Sanchi Ginseng	1	174000.0
<i>Panax ginseng</i> Chinese Ginseng; Oriental Ginseng; Ginseng; Korean Ginseng	2	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Pelargonium roseum</i> Scented Geranium	1	
<i>Perilla frutescens</i> Perilla	3	
<i>Persea americana</i> Avocado	1	
<i>Petroselinum crispum</i> Parsley	2	
<i>Peumus boldus</i> Boldo	1	
<i>Pimenta racemosa</i> West Indian Bay; Bayrum Tree	2	
<i>Pimenta dioica</i> Pimenta; Allspice; Pimento; Jamaica-Pepper; Clover-Pepper	1	
<i>Pimpinella anisum</i> Sweet Cumin; Anise	1	
<i>Pinus sylvestris</i> Scotch Pine	1	
<i>Piper nigrum</i> Pepper; White Pepper; Black Pepper	2	
<i>Piper cubeba</i> Cubeb; Cubeb Pepper	1	
<i>Piper auritum</i> Cordoncillo; Hoja Santa; Hierba Santa	1	
<i>Pistacia lentiscus</i> Mastic; Lentisco (Sp.); Mastixbaum (Ger.); Chios Mastictree; Mastictree	1	
<i>Portulaca oleracea</i> Verdolaga; Purslane	1	
<i>Prunella vulgaris</i> Self-Heal; Heal-All	2	122000.0
<i>Prunus armeniaca</i> Apricot	1	
<i>Psidium guajava</i> Guava	1	
<i>Psoralea corylifolia</i> Black Dot; Babchi; Malaya Tea	1	
<i>Ravensara aromatica</i> Ravensara	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Rosa gallica</i> French Rose	1	
<i>Rosmarinus officinalis</i> Rosemary	2	161914.0
<i>Salvia sclarea</i> Clary Sage	2	69840.0

Plant	# Chemicals	Total PPM
<i>Salvia officinalis</i> Sage	3	92200.0
<i>Sassafras albidum</i> Sassafras	2	
<i>Satureja obovata</i> Iberian Savory; Savory	1	
<i>Satureja montana</i> Winter Savory; Savory	2	24000.0
<i>Satureja hortensis</i> Summer Savory	2	52000.0
<i>Scrophularia scorodonia</i>	1	
<i>Skimmia arborescens</i> Skimmia	2	
<i>Solanum tuberosum</i> Potato	1	
<i>Stachys officinalis</i> Bishop's-Wort; Betony; Purple Betony; Wood Betony	1	
<i>Stachytarpheta jamaicensis</i> Brazilian Tea	1	
<i>Stachytarpheta cayennensis</i> Verbena	1	
<i>Stevia rebaudiana</i> Stevia; Sweet Leaf of Paraguay; Ca-A-E	1	
<i>Symphytum officinale</i> Comfrey	1	10000.0
<i>Syzygium aromaticum</i> Clove; Clovetree	1	
<i>Tagetes minuta</i> Wild Marigold; Muster John Henry; Dwarf Marigold; Mexican Marigold; Aztec Marigold; Stinking-Roger	1	
<i>Tagetes lucida</i> Anise Marigold; Sweet-Mace; Sweet-Scent Marigold; Sweet-Scent Mexican Marigold	1	
<i>Teucrium scorodonia</i> Wood Germander; Germander	1	
<i>Theobroma cacao</i> Cacao	2	
<i>Thymus vulgaris</i> Common Thyme; Thyme; Garden Thyme	3	79000.0
<i>Thymus serpyllum</i> Creeping Thyme	2	46000.0
<i>Thymus funkii</i> Funk's Thyme	1	
<i>Trifolium pratense</i> Cowgrass; Purple Clover; Red Clover; Peavine Clover	1	
<i>Urtica dioica</i> European Nettle; Stinging Nettle	1	
<i>Vaccinium myrtillus</i> Whortleberry; Bilberry; Dwarf Bilberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Verbena officinalis</i> Vervain	1	
<i>Vetiveria zizanioides</i> Cuscus Grass; Vetiver; Cus-Cus	1	
<i>Vitex agnus-castus</i> Chaste-Tree	1	
<i>Vitis vinifera</i> Wine Grape; Grape; Grapevine; Vigne Vinifere (Fr.); European Grape; Vid (Sp.); Parra (Sp.); Weinrebe (Ger.)	1	
<i>Zanthoxylum alatum</i> Wartara Oil Tree; Indian Prickly Ash	1	
<i>Zea mays</i> Corn	1	
<i>Zingiber officinale</i> Ginger	2	27000.0