

A Teratogenic

*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
Abelmoschus esculentus Okra	2	
Acacia farnesiana Huisache; Opopanax; Cassie; Popinac; Sweet Acacia	1	
Acorus calamus Sweetflag; Flagroot; Sweet Calamus; Sweetroot; Myrtle Flag; Calamus	1	
Aegle marmelos Bael de India; Bael fruit	2	
Aeolanthus myriantha Ninde	1	
Allium sativum var. sativum Garlic	1	
Allium cepa Shallot; Onion	1	
Aloysia citrodora Lemon Verbena	2	4550.0
Anacardium occidentale Cashew	1	
Ananas comosus Pineapple	1	120.0
Angelica archangelica Angelica; Wild Parsnip; Garden Angelica	1	
Anisomeles malabarica Malabar Catmint	1	
Annona reticulata Custard Apple	1	
Annona muricata Soursop	1	
Annona cherimola Cherimoya	1	
Apium graveolens Celery	1	
Artemisia pallens Davana	1	
Artemisia dracunculus Tarragon	2	141.0
Artemisia annua Sweet Wormwood (GRIN); Annual Wormwood (GRIN); Sweet Annie; Annual Mugwort (GRIN); Qinghao	1	28800.0
Baptisia tinctoria Wild Indigo	2	
Boronia megastigma Scented Boronia	1	
Brassica oleracea var. italica Sprouting Broccoli; Calabrese; Asparagus Broccoli; Heading Broccoli; Broccoli; Winter Broccoli; Cape Broccoli; Purple Cauliflower	1	
Brassica oleracea var. botrytis l. Cauliflower	1	
Camellia sinensis Tea	4	284008.0
Camellia japonica Japanese Tea; Camellia; Rose du Japon (Fr.); Common Camellia; Kamelie (Ger.); Camelia (Sp.); Camelia (Fr., Port.); Tsubaki (Jap.)	1	
Capsicum frutescens Red Chili; Cayenne; Hot Pepper; Chili; Spur Pepper; Tabasco	3	
Capsicum annuum Green Pepper; Cone Pepper; Sweet Pepper; Bell Pepper; Cherry Pepper; Paprika	3	1000.0
Carica papaya Papaya	2	188000.0
Catharanthus roseus Rosy Periwinkle; Madagascar Periwinkle	4	
Caulophyllum thalictroides Blue Cohosh	1	
Centaurea calcitrapa Star-Thistle	1	
Chrysanthemum x morifolium Chrysanthemum; Mum; Florist's Chrysanthemum; Ju Hua (Pinyin)	1	
Cinnamomum verum Ceylon Cinnamon; Cinnamon	2	60000.0
Cinnamomum aromaticum Cassia Bark; Chinese Cassia; China Junk Cassia; Chinazimt (Ger.); Zimtcassie (Ger.); Canelero chino (Sp.); Chinese Cinnamon; Chinesischer Zimtbaum (Ger.); Cannelle de Cochinchine (Fr.); Canela de la China (Sp.); Cassia; Cannelier de Chine (Fr.); Cassia Lignea; Saigon Cinnamon; Kashia-Keihi (Jap.); Cannelier Casse (Fr.)	1	22450.0
Citrullus lanatus Watermelon	1	
Citrullus colocynthis Colocynth	2	
Citrus sinensis Orange	4	93596.6

Plant	# Chemicals	Total PPM
<i>Citrus reticulata</i> Mandarin; Tangerine	2	391.0
<i>Citrus paradisi</i> Grapefruit	4	58.0
<i>Citrus mitis</i> Calamansi; Calamondin	1	
<i>Citrus medica</i> Citron	1	
<i>Citrus limon</i> Lemon	4	100.0
<i>Citrus aurantium</i> Bitter Orange; Petitgrain	4	
<i>Citrus aurantiifolia</i> Lime	2	280.0
<i>Cnicus benedictus</i> Blessed Thistle	3	
<i>Coffea arabica</i> Coffee	3	64038.0
<i>Cola acuminata</i> Abata Cola	2	52000.0
<i>Colchicum autumnale</i> Meadow Saffron; Autumn Crocus	1	
<i>Commiphora myrrha</i> Myrrh; Mirra (Sp. It.); Somali Myrrh; Myrrhe (Fr., Ger.); African Myrrh; Herabol Myrrh	1	
<i>Conyza canadensis</i> Butterweed; Hogweed; Horseweed	2	
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus laevigata</i> Woodland Hawthorn; Hawthorn; English Hawthorn; Whitethorn	1	
<i>Cucumis melo</i> Melon; Cantaloupe; Netted Melon; Muskmelon; Nutmeg Melon; Persian Melon	1	
<i>Cycas revoluta</i> Sago Cycas	1	6000.0
<i>Cymbopogon winterianus</i> Java Citronella; Mahapengiri	2	4606.0
<i>Cymbopogon nardus</i> Ceylon Citronella; Citronella	1	600.0
<i>Cymbopogon flexuosus</i> East Indian Lemongrass	2	8500.0
<i>Cymbopogon citratus</i> Lemongrass; West Indian Lemongrass	2	28980.0
<i>Cynara cardunculus</i> Artichoke	1	
<i>Cytisus scoparius</i> Scotch Broom	2	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Daucus carota</i> Carrot	2	400.0
<i>Elettaria cardamomum</i> Cardamom	1	
<i>Elsholtzia nipponica</i> Hsiang Ju	1	
<i>Ephedra sinica</i> Ma Huang; Chinese Ephedra	1	
<i>Equisetum arvense</i> Horsetail; Field Horsetail	1	
<i>Eucalyptus</i> sp Gum	1	
<i>Eucalyptus siderophloia</i>	1	
<i>Eucalyptus polyanthemos</i>	1	
<i>Eucalyptus oviformis</i>	1	
<i>Eucalyptus occidentalis</i>	1	
<i>Eucalyptus moluccana</i>	1	
<i>Eucalyptus melliodora</i>	1	
<i>Eucalyptus maideni</i>	1	
<i>Eucalyptus globulus</i> Blue Gum; Eucalypt; Tasmanian Bluegum	3	
<i>Eucalyptus diversicolor</i>	1	
<i>Eucalyptus dealbata</i>	1	
<i>Eucalyptus cladocalyx</i>	1	
<i>Eucalyptus citriodora</i> Lemon-Scented Gum; Spotted Gum; Citron-Scented Gum; Lemon Eucalyptus	2	36040.0

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<i>Eucalyptus camaldulensis</i>	1	
<i>Eucalyptus brassiana</i> Brasses' Eucalyptus	1	
<i>Eucalyptus botryoides</i>	1	
<i>Eucalyptus bosistoana</i>	1	
<i>Eucalyptus astringens</i>	1	
<i>Eucalyptus albens</i>	1	
<i>Eugenia uniflora</i> Pitanga; Surinam Cherry	1	
<i>Ficus carica</i> Feigenbaum (Ger.); Fico (Ital.); Echte Feige (Ger.); Higuera Comun (Sp.); Fig; Figueira (Port.); Higo (Sp.); Figuier Commun (Fr.)	2	
<i>Filipendula ulmaria</i> Queen Of The Meadow; Meadowsweet	1	
<i>Firmiana simplex</i> Chinese Parasol	1	
<i>Fragaria</i> spp Strawberry	1	
<i>Genipa americana</i> Jagua; Genipap	1	
<i>Genista tinctoria</i> Dyer's Broom	2	
<i>Glycine max</i> Soybean	2	
<i>Glycyrrhiza uralensis</i> Kan-Tsao; Chinese Licorice; Gan-Cao	1	
<i>Glycyrrhiza glabra</i> Smooth Licorice; Commom Licorice; Licorice; Licorice-Root	1	
<i>Gossypium</i> sp Cotton	1	
<i>Guazuma ulmifolia</i> Bay Cedar	1	
<i>Hedeoma drummondii</i> Drummond's Pennyroyal	1	4360.0
<i>Helianthus annuus</i> Sunflower; Girasol	1	
<i>Heliotropium indicus</i> Indian Heliotrope	1	
<i>Heliotropium europaeum</i> Heliotrope; Turnsole	1	540.0
<i>Hibiscus sabdariffa</i> Kharkadi; Sorrel; Indian Sorrel; Rosa de Jamaica (Sp.); Jamaica Sorrel; Rosella (Ger.); Malventee (Ger.); Roselle; Red Sorrel; Acedera de Guinea (Sp.); Sereni (Sp.)	1	
<i>Hippophae rhamnoides</i> Sea Buckthorn; Sallow Thorn; Yellow Spine	1	
<i>Hordeum vulgare</i> Barley; Barleygrass	1	11.4
<i>Humulus lupulus</i> Hops	2	6.2
<i>Hyacinthus orientalis</i> Hyacinth	1	13.8
<i>Ilex paraguariensis</i> Mate; South American Holly; Paraguay Tea	3	51000.0
<i>Juglans regia</i> English Walnut	1	190.0
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Common Juniper; Juniper	1	320.0
<i>Laburnum anagyroides</i> Golden Chain Tree	1	
<i>Lantana camara</i> Wild Sage; Lantana	1	
<i>Laurus nobilis</i> Bay; Bayleaf; Laurel; Bay Laurel; Sweet Bay; Grecian Laurel	2	
<i>Lavandula</i> sp Lavender	1	
<i>Lavandula latifolia</i> Aspic; Broad-Leaved Lavender; Spike Lavender	1	14.0
<i>Levisticum officinale</i> Lovage	1	
<i>Lippia graveolens</i> Oregano	1	310.0
<i>Lippia alba</i> White Lippia	1	
<i>Liquidambar styraciflua</i> Sweetgum; American Styra	1	
<i>Liquidambar orientalis</i> Oriental Storax; Oriental Styra	1	

Plant	# Chemicals	Total PPM
<i>Lophophora williamsii</i> Peyote	1	
<i>Lycopersicon esculentum</i> Tomato	5	
<i>Maclura pomifera</i> Hedge Apple; Osage-Orange	1	
<i>Magnolia fargesii</i> Hsin-I; Xin-Yi	1	
<i>Malus domestica</i> Apple	3	6.0
<i>Melaleuca viridiflora</i> Broad-Leaf Tea-Tree; Niaouli	1	
<i>Melaleuca bracteata</i> Bracteate Tea-Tree	1	
<i>Melissa officinalis</i> Balm; Bee Balm; Melissa; Lemonbalm	2	2918.0
<i>Mentha x rotundifolia</i> Applemint	1	300.0
<i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda	1	
<i>Micromeria myrtifolia</i> Topukcayi; Haydarotu; Dagcayi	1	
<i>Micromeria congesta</i> Kaya Yarpuzu	1	
<i>Monarda didyma</i> Oswego Tea; Beebalm	1	
<i>Monarda citriodora</i> Lemon Mint	1	
<i>Mucuna pruriens</i> Velvetbean; Cowage	1	
<i>Murraya</i> sp None	1	
<i>Musa x paradisiaca</i> Banana; Plantain	2	1586.0
<i>Myroxylon balsamum</i> Tolu Balsam; Peru Balsam	1	
<i>Nepeta racemosa</i> Catmint	1	
<i>Nepeta cataria</i> Catnip	2	
<i>Nicotiana tabacum</i> Tobacco	2	
<i>Ocimum tenuiflorum</i> Anise-Scented Basil	1	
<i>Ocimum gratissimum</i> Agbo; Shrubby Basil	1	
<i>Ocimum canum</i> Hoary Basil	1	
<i>Ocimum basilicum</i> Basil; Cuban Basil; Sweet Basil	1	14000.0
<i>Opuntia ficus-indica</i> Prickly Pear; Indian Fig; Nopal; Nopalito	1	
<i>Origanum vulgare</i> Common Turkish Oregano; Wild Marjoram; Oregano; Wild Oregano; Pot Marjoram; European Oregano	1	
<i>Origanum minutiflorum</i> Small-Flowered Oregano	1	
<i>Origanum majorana</i> Sweet Marjoram; Marjoram	1	
<i>Panax ginseng</i> Chinese Ginseng; Oriental Ginseng; Korean Ginseng; Ginseng	2	
<i>Papaver somniferum</i> Opium Poppy; Poppyseed Poppy	1	
<i>Paullinia yoko</i> Yoko	1	54600.0
<i>Paullinia cupana</i> Guarana	3	155800.0
<i>Pelargonium citrosum</i> Citrosa	1	
<i>Perilla frutescens</i> Perilla	1	
<i>Persea americana</i> Avocado	2	
<i>Petroselinum crispum</i> Parsley	2	
<i>Peumus boldus</i> Boldo	1	1600.0
<i>Phoenix dactylifera</i> Date Palm	1	18.0
<i>Pimenta racemosa</i> Bayrum Tree; West Indian Bay	1	
<i>Pimenta dioica</i> Allspice; Pimenta; Jamaica-Pepper; Pimento; Clover-Pepper	1	
<i>Pinus sylvestris</i> Scotch Pine	1	

Plant	# Chemicals	Total PPM
<i>Piper nigrum</i> Black Pepper; White Pepper; Pepper	2	
<i>Pogostemon cablin</i> Patchouli	1	
<i>Populus tacamahacca</i> Balm Of Gilead	1	
<i>Populus nigra</i> Black Poplar	1	
<i>Portulaca oleracea</i> Verdolaga; Purslane	1	
<i>Prunus persica</i> Peach	2	
<i>Prunus domestica</i> Plum	1	
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Psidium guajava</i> Guava	2	
<i>Pterocarpus marsupium</i> Indian Kino; Malabar Kino; bijasal	1	
<i>Punica granatum</i> Grenadier (Fr.); Mangrano (Sp.); Granatapfelstrauch (Ger.); Romanzeiro (Port.); Zakuro (Jap.); Granatapfelbaum (Ger.); Granado (Sp.); Pomegranate	1	
<i>Rauvolfia vomitoria</i> African Snakeroot	1	
<i>Rauvolfia tetraphylla</i> Four-Leaf Devilpepper; Pinque-Pinque	1	
<i>Rauvolfia serpentina</i> Indian Snakeroot; Serpentine Wood	1	4000.0
<i>Ravensara aromatica</i> Ravensara	1	
<i>Rheum palmatum</i> Chinese Rhubarb	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Rosa gallica</i> French Rose	1	
<i>Rosmarinus officinalis</i> Rosemary	1	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	1	
<i>Salix</i> sp.	2	
<i>Salix alba</i> White Willow	1	220000.0
<i>Salvia sclarea</i> Clary Sage	1	1840.0
<i>Salvia officinalis</i> Sage	1	
<i>Sarracenia</i> sp. Pitcher-Plant	1	
<i>Sassafras albidum</i> Sassafras	2	
<i>Satureja parvifolia</i> Small-Leaf Pampa Savory	1	
<i>Satureja odora</i> Scented Pampa Savory	1	
<i>Satureja obovata</i> Savory; Iberian Savory	1	
<i>Satureja cuneifolia</i> Cuneate Turkish Savory	1	
<i>Scopolia carniolica</i> Scopolia	1	
<i>Silybum marianum</i> Lady's Thistle; Milk Thistle	1	
<i>Skimmia arborescens</i> Skimmia	1	
<i>Solanum tuberosum</i> Potato	4	36470.0
<i>Solanum torvum</i> Wild Eggplant; Susumba	1	
<i>Solanum nigrum</i> Black Nightshade	2	19480.0
<i>Solanum melongena</i> Eggplant; Aubergine	3	
<i>Solanum mammosum</i> Love Apple; Susumber	2	
<i>Solanum dulcamara</i> Bittersweet; Bitter Nightshade	2	
<i>Sophora subprostrata</i> Shan Dou Gen	1	
<i>Sophora secundiflora</i> Mescal Bean	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	

Plant	# Chemicals	Total PPM
<i>Sophora angustifolia</i> Narrowleaf Sophora	2	
<i>Spartium junceum</i> Spanish Broom; Weaver's Broom; Genet	2	12600.0
<i>Spinacia oleracea</i> Spinach	1	
<i>Stachytarpheta jamaicensis</i> Brazilian Tea	1	
<i>Stachytarpheta cayennensis</i> Verbena	1	
<i>Syzygium aromaticum</i> Clovetree; Clove	1	2.0
<i>Tabebuia impetiginosa</i> Pau d'arco; Taheebo	1	
<i>Tabebuia heptaphylla</i> Pau D'Arco	1	
<i>Tagetes minuta</i> Wild Marigold; Mexican Marigold; Muster John Henry; Dwarf Marigold; Aztec Marigold; Stinking-Roger	1	
<i>Tamarindus indica</i> Indian Tamarind; Kilytree; Tamarind	1	
<i>Tecoma stans</i> Yellow Elder	1	
<i>Telosma cordata</i> Merrill flowers	1	
<i>Teucrium micropodioides</i> Small 'Cyprus' Germander	1	
<i>Teucrium kotschyanum</i> Stavros Kotschy's Germander	1	
<i>Teucrium divaricatum</i> Hoary Divaricate Germander	1	
<i>Teucrium cyprum</i> 'Cyprus' Germander	1	
<i>Theobroma cacao</i> Cacao	5	94300.0
<i>Theobroma bicolor</i> Nicaraguan Cacao; Pataste	3	
<i>Theobroma angustifolium</i> Castarica; Emerald Cacao	3	
<i>Thymus x citriodorus</i> Lemon Thyme; Funk's thyme	1	
<i>Thymus vulgaris</i> Thyme; Common Thyme; Garden Thyme	2	
<i>Thymus serpyllum</i> Creeping Thyme	1	
<i>Turnera diffusa</i> Damiana	1	
<i>Ulex europaeus</i> Gorse	2	
<i>Urtica dioica</i> European Nettle; Stinging Nettle	2	400.0
<i>Vaccinium myrtillus</i> Bilberry; Whortleberry; Dwarf Bilberry	1	
<i>Vanilla planifolia</i> Vanilla; Bourbon Vanilla	1	
<i>Veratrum album</i> White Hellebore	1	
<i>Verbena officinalis</i> Vervain	1	
<i>Viburnum prunifolium</i> Black Haw	1	
<i>Vigna radiata</i> Green Gram; Mungbean	1	
<i>Vinca minor</i> Running-Myrtle; Periwinkle	2	
<i>Vitis vinifera</i> European Grape; Parra (Sp.); Grape; Vid (Sp.); Grapevine; Vigne Vinifere (Fr.); Weinrebe (Ger.); Wine Grape	2	
<i>Zanthoxylum alatum</i> Wartara Oil Tree; Indian Prickly Ash	1	
<i>Zea mays</i> Corn	2	
<i>Zingiber officinale</i> Ginger	2	27155.0