

A Narcotic

*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> Cassie; Opopanax; Huisache; Popinac; Sweet Acacia	3	
<i>Achillea millefolium</i> Yarrow; Milfoil	1	
<i>Acinos suaveolens</i>	1	
<i>Acorus calamus</i> Calamus; Sweetflag; Sweetroot; Flagroot; Sweet Calamus; Myrtle Flag	1	2050.0
<i>Agastache foeniculum</i> Giant Hyssop	1	
<i>Ageratum conyzoides</i> Mexican ageratum	1	
<i>Aloe vera</i> Bitter Aloes; Aloe	1	
<i>Althaea officinalis</i> White Mallow; Marshmallow	1	
<i>Ammi visnaga</i> Visnaga	1	
<i>Anacardium occidentale</i> Cashew	1	
<i>Ananas comosus</i> Pineapple	2	
<i>Annona squamosa</i> Sugar-Apple; Sweetsop	1	
<i>Apium graveolens</i> Celery	1	
<i>Arctium lappa</i> Burdock; Great Burdock; Gobo	2	
<i>Argemone mexicana</i> Prickly Poppy	2	
<i>Artemisia vulgaris</i> Mugwort	1	
<i>Artemisia dracunculus</i> Tarragon	2	5800.0
<i>Artemisia capillaris</i> Capillary Wormwood	2	
<i>Artemisia annua</i> Sweet Annie; Sweet Wormwood (GRIN); Annual Wormwood (GRIN); Qinghao; Annual Mugwort (GRIN)	1	
<i>Asarum canadense</i> Wild Ginger	1	
<i>Asiasarum sieboldii</i> Siebold's Wild Ginger	1	
<i>Asiasarum heterotropoides</i> Asian Wild Ginger	1	
<i>Asimina triloba</i> Pawpaw	1	
<i>Astragalus membranaceus</i> Huang-Chi; Huang Qi	1	
<i>Avena sativa</i> Oats	1	
<i>Brassica oleracea</i> var. <i>italica</i> Broccoli; Cape Broccoli; Purple Cauliflower; Sprouting Broccoli; Winter Broccoli; Calabrese; Heading Broccoli; Asparagus Broccoli	1	
<i>Brassica oleracea</i> var. <i>capitata</i> I. Red Cabbage; White Cabbage; Cabbage	1	
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	
<i>Brassica oleracea</i> Kohlrabi	1	0.04
<i>Calamintha nepeta</i> Turkish Calamint	1	
<i>Callicarpa americana</i> American Beauty Berry; Beauty Berry; French Mulberry	1	
<i>Camellia sinensis</i> Tea	4	4600.0
<i>Cananga odorata</i> Cananga; Ylang-Ylang	2	
<i>Cannabis sativa</i> Marihuana; Marijuana; Hemp; Indian Hemp	1	
<i>Capparis spinosa</i> Caperbush; Caper	1	
<i>Capsicum frutescens</i> Hot Pepper; Cayenne; Tabasco; Red Chili; Chili; Spur Pepper	2	
<i>Capsicum annuum</i> Sweet Pepper; Bell Pepper; Green Pepper; Paprika; Cone Pepper; Cherry Pepper	2	1000.0

Plant	# Chemicals	Total PPM
<i>Carica papaya</i> Papaya	4	
<i>Carthamus tinctorius</i> Safflower	1	0.28
<i>Catha edulis</i> Khat	2	8400.0
<i>Chrysanthemum x morifolium</i> Ju Hua (Pinyin); Chrysanthemum; Mum; Florist's Chrysanthemum	1	
<i>Chrysanthemum parthenium</i> Feverfew	1	
<i>Cichorium intybus</i> Witloof; Succory; Chicory	1	
<i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon	4	736.0
<i>Cinnamomum camphora</i> Ho Leaf; Camphor	1	
<i>Cinnamomum aromaticum</i> Kashia-Keihi (Jap.); Cannelier Casse (Fr.); China Junk Cassia; Canelle de Cochinchine (Fr.); Cassia Lignea; Canela de la China (Sp.); Chinese Cinnamon; Cannelier de Chine (Fr.); Chinesischer Zimtbaum (Ger.); Cassia Bark; Chinese Cassia; Cassia; Zimtcassie (Ger.); Canelero chino (Sp.); Saigon Cinnamon; Chinazimt (Ger.)	4	
<i>Cistus ladaniferus</i> Rockrose; Labdanum; Gum Cistus; Ambreine	1	3920.0
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrullus colocynthis</i> Colocynth	1	
<i>Citrus aurantium</i> Petitgrain; Bitter Orange	1	
<i>Cnicus benedictus</i> Blessed Thistle	2	
<i>Corydalis</i> spp Fumewort	2	
<i>Cucumis melo</i> Melon; Cantaloupe; Netted Melon; Persian Melon; Nutmeg Melon; Muskmelon	2	
<i>Cuminum cyminum</i> Cumin	1	
<i>Cymbopogon winterianus</i> Mahapengiri; Java Citronella	3	120.0
<i>Cymbopogon nardus</i> Ceylon Citronella; Citronella	1	408.0
<i>Cymbopogon flexuosus</i> East Indian Lemongrass	1	2000.0
<i>Cymbopogon citratus</i> West Indian Lemongrass; Lemongrass	1	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Daucus carota</i> Carrot	2	
<i>Dipteryx odorata</i> Dutch Tonka Bean; Tonka Bean	1	70000.0
<i>Elsholtzia polystachya</i> Bush Mint	1	
<i>Elsholtzia blanda</i> Bantaluki; Bantulsi	1	
<i>Ephedra sinica</i> Chinese Ephedra; Ma Huang	4	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Eruca sativa</i> Ruca (Catalan; KAB); Rabano silvestre (It.; Port.); Rouka (Arab.; BOU); Suffed shorshi (Bengal; DEP); Rakshitaphala (Sansk.; KAB); Rocket Salad (Eng.; USN); Kibana suzushiro (Jap.; TAN); Roqueta (Sp.; USN); Dua (Kumaon; DEP); Sahwan (Nwp.; KAB); Ai'afein (Arab.; BOU); Jambho (Sind.; DEP); Eihukan (Iran; NAD); Grahagna (Sansk.; KAB); Senfrauke (Ger.; USN); Ruke (Ger.; USN); Bou kahli (Arab.; BOU); Taramira (India; Nwp.); Olrauke (Ger.; USN); Gargir (Arab.; Hebrew; BOU); Jambeh (Iran; DEP; KAB); Baglet (Arab.; BOU); Duan (Nwp; KAB); Rugula (Eng.; USN); Gery (Arab.; BOU); Rucola (It.; Malta; Sp.); Sfed sarson (Hindi; MPI); Tira (Nwp.; DEP; KAB); Djerdjir (Arab.; BOU); Tara (Nwp.; Punjab; KAB; SKJ); Chara (Kumaon; DEP); Jamnia (Punjab; DEP); Rajakshavaka (Sansk.; KAB); Horf (Arab.; BOU); Assu (Punjab; SKJ); Roquette vraie (Fr.; BOU); Mulai (Loralai; KAB); Ai'sha (Arab.; BOU); Kadamba (Sansk.; KAB); Siddartha (Sansk.; DEP; SKJ); Lamba (India; USN); Sarshapa (Sansk.; KAB); Bimbata (Sansk.; KAB); Roquette cultivee (Fr.; KAB); Euzomon (Greece; EB54:155); Sidhaprayojana (Sansk.; KAB); Bhutaghna (Sansk.; SKJ); Ugragandha (Sansk.; KAB); Tuverika (Sansk.; KAB); Salad Rocket (Eng.; USN); Rawk (Arab.; BOU); Roquette des jardins (Fr.;KAB); Jamba (India); Thorfel (Berber; BOU); Tanakfail (Berber; BOU); Oroth (Bible; EB52:394); Arugula (Eng.; FAC; USN); Roquette (Eng.; Fr.; BOU); Jambeho (Sind.; KAB); Sidharta (Sansk.; KAB); Kerkas (Arab.; BOU); Lalu (Nwp.; KAB); Rucheta (Malta; KAB); Daradharsha (Sansk.; KAB); Ackerrauke (Ger.; MAD); Sarishapa (Sansk.; KAB); Kadambaka (Sansk.; KAB); Shwetsursha (Bengal; SKJ); Rajika (Sansk.; KAB); Aruca (Malta; KAB); Piao erh ts'ai (Chi.; TAN); Shiltam (Arab.; BOU); Garden Rocket (Eng.; USN); Oruga comun (Sp.; USN); Izgin (Turkey; EB54:155); Tantubha (Sansk.; KAB); Rocket (Eng.; BOU); Tantuka (Sansk.; KAB); Mandao (Afg.; DEP; KAB); Achnef (Berber; BOU); Eruca (Malta; KAB)	2	
<i>Erythroxyllum ulei</i>	1	
<i>Erythroxyllum steyermarkii</i> Cerecito; Jaillito; Hayo	1	
<i>Erythroxyllum</i> sp. Wild coca	1	
<i>Erythroxyllum shatoni</i>	1	

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<i>Erythroxylum rotundifolium</i> Jiba; Arabillo	1	1
<i>Erythroxylum recurrens</i>	1	1
<i>Erythroxylum pulchrum</i> Arco de pipa	1	1
<i>Erythroxylum pelleterianum</i>	1	1
<i>Erythroxylum panamense</i>	1	1
<i>Erythroxylum novogranatense</i> Coca	1	1
<i>Erythroxylum monogynum</i> Bastard sandal; Red cedar	1	1
<i>Erythroxylum mamacoca</i> Mamacoca	1	1
<i>Erythroxylum lucidum</i>	1	1
<i>Erythroxylum incrassatum</i>	1	1
<i>Erythroxylum impressum</i> Hayo	1	1
<i>Erythroxylum gracilipes</i>	1	1
<i>Erythroxylum glaucum</i>	1	1
<i>Erythroxylum fimbriatum</i>	1	1
<i>Erythroxylum deciduum</i>	1	1
<i>Erythroxylum cumanense</i>	1	1
<i>Erythroxylum coca</i> Amazonian Coca; Ipadu	1	1
<i>Erythroxylum cataractarum</i> Coca de pescado; Ajicito	1	1
<i>Erythroxylum campestre</i>	1	1
<i>Erythroxylum brownianum</i>	1	1
<i>Erythroxylum areolatum</i>	1	1
<i>Erythroxylum amazonicum</i>	1	1
<i>Eschscholzia californica</i> California Poppy	3	3
<i>Eucalyptus tereticornis</i>	1	1
<i>Eucalyptus sideroxylon</i>	1	1
<i>Eucalyptus siderophloia</i>	1	1
<i>Eucalyptus saligna</i>	1	1
<i>Eucalyptus punctata</i>	1	1
<i>Eucalyptus polyanthemos</i>	1	1
<i>Eucalyptus oviformis</i>	1	1
<i>Eucalyptus occidentalis</i>	1	1
<i>Eucalyptus moluccana</i>	1	1
<i>Eucalyptus melliodora</i>	1	1
<i>Eucalyptus maideni</i>	1	1
<i>Eucalyptus maculata</i> Gum	1	1
<i>Eucalyptus globulus</i> Eucalypt; Blue Gum; Tasmanian Bluegum	2	2
<i>Eucalyptus diversicolor</i>	1	1
<i>Eucalyptus dealbata</i>	1	1
<i>Eucalyptus cladocalyx</i>	1	1
<i>Eucalyptus citriodora</i> Citron-Scented Gum; Lemon Eucalyptus; Spotted Gum; Lemon-Scented Gum	1	1
<i>Eucalyptus camaldulensis</i>	1	1
<i>Eucalyptus brassiana</i> Brasses' Eucalyptus	1	1

Plant	# Chemicals	Total PPM
<i>Eucalyptus botryoides</i>	1	
<i>Eucalyptus bosistoana</i>	1	
<i>Eucalyptus blakelyi</i>	1	
<i>Eucalyptus astringens</i>	1	
<i>Eucalyptus albens</i>	1	
<i>Eupatorium triplinerve</i> Triplinerved eupatorium	1	
<i>Ferula alliacea</i> Garlic Ferula	1	
<i>Ficus carica</i> Higo (Sp.); Figuier Commun (Fr.); Fico (Ital.); Feigenbaum (Ger.); Figueira (Port.); Fig; Echte Feige (Ger.); Higuera Comun (Sp.)	2	
<i>Filipendula ulmaria</i> Queen Of The Meadow; Meadowsweet	1	
<i>Forsythia suspensa</i> Lian-jiao; Lien-Chiao	1	
<i>Galium odoratum</i> Woodruff; Waldmeister	1	26000.0
<i>Glaucium flavum</i> Horned Poppy	1	
<i>Glycine max</i> Soybean	1	
<i>Glycyrrhiza glabra</i> Licorice; Commom Licorice; Smooth Licorice; Licorice-Root	1	
<i>Helleborus niger</i> Christmas Rose; Black Hellebore	2	
<i>Hibiscus sabdariffa</i> Roselle; Malventee (Ger.); Rosella (Ger.); Acedera de Guinea (Sp.); Rosa de Jamaica (Sp.); Jamaica Sorrel; Kharkadi; Sereni (Sp.); Indian Sorrel; Red Sorrel; Sorrel	1	
<i>Hierochloe odorata</i> Vanilla-Scented Grass; Manna Grass; Sweet Grass; Holy Grass; Vanilla Grass; Seneca Grass	1	
<i>Holarrhena pubescens</i> Tellicherry Bark; Zhi Xie Mu; Conessi; Kurchi	1	26000.0
<i>Hordeum vulgare</i> Barley; Barleygrass	1	
<i>Humulus lupulus</i> Hops	1	
<i>Hyacinthus orientalis</i> Hyacinth	2	72.6
<i>Hyoscyamus niger</i> Henbane	1	
<i>Hyssopus officinalis</i> Hyssop	2	200.0
<i>Iris x germanica</i> Orris	1	
<i>Jasminum officinale</i> Poet's Jessamine; Jasmine	1	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus virginiana</i> Red Cedar	1	
<i>Justicia pectoralis</i> Angel Of Death; Curia; Bolek Hena	1	
<i>Laurus nobilis</i> Bay; Bayleaf; Sweet Bay; Grecian Laurel; Bay Laurel; Laurel	3	5216.0
<i>Lavandula x intermedia</i> Dutch Lavender; Lavandin	2	
<i>Lavandula latifolia</i> Spike Lavender; Aspic; Broad-Leaved Lavender	1	44.0
<i>Lavandula angustifolia</i> English Lavender	1	3000.0
<i>Leonurus cardiaca</i> Motherwort	1	2.0
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Japanese Privet; Ligustri Fructus	1	
<i>Liquidambar styraciflua</i> American Styrax; Sweetgum	1	
<i>Lolium temulentum</i> Tares; Darnel	1	
<i>Lycopersicon esculentum</i> Tomato	3	
<i>Lycopus europeus</i> European Bugle	1	2400.0
<i>Mahonia aquifolium</i> Holly Barberry; Holly Mahonia; Mountain Grape; Blue Barberry; Oregon Grape	1	
<i>Malus domestica</i> Apple	2	

Plant	# Chemicals	Total PPM
<i>Melaleuca viridiflora</i> Broad-Leaf Tea-Tree; Niaouli	1	
<i>Melaleuca bracteata</i> Bracteate Tea-Tree	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	4000.0
<i>Melissa officinalis</i> Lemonbalm; Bee Balm; Balm; Melissa	2	
<i>Mentha x piperita</i> Peppermint	1	0.4
<i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda	2	
<i>Mentha aquatica</i> Water Mint	1	
<i>Metrosideros sclerocarpa</i>	1	
<i>Micromeria myrtifolia</i> Dagcayi; Haydarotu; Topukcayi	1	
<i>Micromeria fruticosa</i> Tea Hyssop; Zuta; Zopha	1	
<i>Morus alba</i> Sang-Pai-Pi; White Mulberry	2	
<i>Murraya koenigii</i> Curry Leaf Tree; Curry Leaf; Indian Curry Tree	1	
<i>Myristica fragrans</i> Nutmeg; nuez moscada (Sp.); Mace; Muskatnussbaum (Ger.); nogal moscado (Sp.)	1	1800.0
<i>Myroxylon balsamum</i> Peru Balsam; Tolu Balsam	3	8000.0
<i>Myrtus communis</i> Mirto (Sp.); Myrte (Ger.); Arrayan (Sp.); Myrtle	2	24.0
<i>Nandina domestica</i> Southern Heaven Bamboo; Heavenly Bamboo; Nanten (Jap.); Sacred Bamboo	2	
<i>Narcissus tazetta</i> Daffodil	1	
<i>Nepeta racemosa</i> Catmint	1	
<i>Ocimum tenuiflorum</i> Anise-Scented Basil	1	
<i>Ocimum suave</i> Kenyan Tree Basil	1	
<i>Ocimum gratissimum</i> Shrubby Basil; Agbo	2	
<i>Ocimum canum</i> Hoary Basil	1	
<i>Ocimum basilicum</i> Basil; Cuban Basil; Sweet Basil	1	2800.0
<i>Origanum sipyleum</i> Guveyoto; Bayircayi	1	
<i>Origanum onites</i> Pot Marjoram; Oregano	1	
<i>Oryza sativa</i> Rice	1	
<i>Panax ginseng</i> Chinese Ginseng; Oriental Ginseng; Korean Ginseng; Ginseng	1	
<i>Papaver somniferum</i> Opium Poppy; Poppyseed Poppy	4	480938.0
<i>Papaver bracteatum</i> Great Scarlet Poppy	3	33612.0
<i>Petasites japonicus</i> Butterbur	1	
<i>Petiveria alliacea</i> Anamu; Guinea Hen Leaf; Mucura	2	
<i>Petroselinum crispum</i> Parsley	1	
<i>Peumus boldus</i> Boldo	4	5377.0
<i>Phoenix dactylifera</i> Date Palm	1	
<i>Pimenta racemosa</i> Bayrum Tree; West Indian Bay	1	31420.0
<i>Pimenta dioica</i> Clover-Pepper; Jamaica-Pepper; Pimento; Allspice; Pimenta	2	380.0
<i>Piper nigrum</i> White Pepper; Black Pepper; Pepper	1	
<i>Pogostemon cablin</i> Patchouli	1	
<i>Prunus serotina</i> Wild Cherry; Black Cherry	1	
<i>Prunus persica</i> Peach	1	
<i>Prunus laurocerasus</i> Cherry Laurel	1	912.0
<i>Prunus dulcis</i> Almond	1	16400.0

Plant	# Chemicals	Total PPM
<i>Prunus cerasus</i> Sour Cherry	2	6.0
<i>Psidium guajava</i> Guava	3	
<i>Psoralea corylifolia</i> Black Dot; Malaya Tea; Babchi	1	
<i>Ptychopetalum olacoides</i> Muira Puama	1	
<i>Pycnanthemum pycnanthemoides</i> Typical Mountain Mint	1	
<i>Pycnanthemum clinopodioides</i> Clinopod Mountain Mint	1	176.0
<i>Pyrus communis</i> Pear	1	
<i>Rauvolfia serpentina</i> Serpentine Wood; Indian Snakeroot	1	
<i>Ravensara aromatica</i> Ravensara	1	
<i>Rheum palmatum</i> Chinese Rhubarb	2	
<i>Ribes nigrum</i> Black Currant	3	
<i>Robinia pseudoacacia</i> Black Locust	1	
<i>Rosmarinus officinalis</i> Rosemary	3	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	1	
<i>Salvia sclarea</i> Clary Sage	1	
<i>Sambucus nigra</i> European Alder; Elder; European Elderberry; European Elder; Black Elder	1	
<i>Satureja subspicata</i> Yugoslav Savory	1	
<i>Satureja montana</i> Winter Savory; Savory	1	
<i>Satureja cuneifolia</i> Cuneate Turkish Savory	1	
<i>Solanum tuberosum</i> Potato	3	35200.0
<i>Solanum nigrum</i> Black Nightshade	1	80.0
<i>Solanum melongena</i> Aubergine; Eggplant	1	
<i>Stevia rebaudiana</i> Sweet Leaf of Paraguay; Stevia; Ca-A-E	1	
<i>Styrax benzoin</i> Benzoin; Onycha; Styrax	2	
<i>Syringa vulgaris</i> Lilac	2	
<i>Syzygium aromaticum</i> Clovetree; Clove	2	680.0
<i>Tagetes lucida</i> Sweet-Scent Mexican Marigold; Sweet-Scent Marigold; Anise Marigold; Sweet-Mace	1	
<i>Tanacetum parthenium</i> Feverfew	1	
<i>Tecoma stans</i> Yellow Elder	1	160.0
<i>Theobroma cacao</i> Cacao	2	
<i>Thymus capitatus</i> Spanish Origanum; Spanish Thyme; 'Sicilian' Thyme	1	
<i>Trifolium pratense</i> Red Clover; Peavine Clover; Purple Clover; Cowgrass	2	
<i>Trigonella foenum-graecum</i> Alholva (Sp.); Greek Clover; Greek Hay; Bockshornklee (Ger.); Fenugreek	1	
<i>Trilisa odoratissima</i> Deer's Tongue; Vanilla Plant; Hound's Tongue; Carolina Vanilla	1	
<i>Triticum aestivum</i> Wheat	1	
<i>Umbellularia californica</i> California Bay	2	800.0
<i>Urtica dioica</i> Stinging Nettle; European Nettle	1	
<i>Vaccinium myrtillus</i> Bilberry; Dwarf Bilberry; Whortleberry	1	
<i>Vaccinium macrocarpon</i> Large Cranberry; Cranberry; American Cranberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Vanilla planifolia</i> Vanilla; Bourbon Vanilla	2	
<i>Verbascum thapsus</i> Mullein; Velvetplant; Flannelplant; Flannelleaf; Great Mullein	1	

Plant	# Chemicals	Total PPM
<i>Vitis vinifera</i> Wine Grape; Parra (Sp.); Vid (Sp.); European Grape; Grape; Vigne Vinifere (Fr.); Grapevine; Weinrebe (Ger.)	1	
<i>Withania somnifera</i> Ashwagandha	1	
<i>Zea mays</i> Corn	2	
<i>Zingiber officinale</i> Ginger	3	2.0
<i>Zizyphus jujuba</i> Ta-Tsao; Jujube; Da-Zao	1	6000.0