

A Parasiticide

*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	2800.0
<i>Acacia farnesiana</i> Popinac; Huisache; Opopanax; Cassie; Sweet Acacia	1	
<i>Achillea millefolium</i> Yarrow; Milfoil	1	
<i>Allium sativum</i> var. <i>sativum</i> Garlic	1	
<i>Allium cepa</i> Shallot; Onion	1	8150.0
<i>Allium ampeloprasum</i> Elephant Garlic; Kurrat	1	1400.0
<i>Alocasia macrorrhiza</i> Giant Taro	1	800.0
<i>Aloysia citrodora</i> Lemon Verbena	1	
<i>Amorphophallus campanulatus</i> Elephant-Foot Yam	1	1060.0
<i>Anacardium occidentale</i> Cashew	1	9600.0
<i>Ananas comosus</i> Pineapple	1	270.0
<i>Anethum graveolens</i> Dill; Garden Dill	2	22350.0
<i>Annona muricata</i> Soursop	1	5400.0
<i>Apium graveolens</i> Celery	1	2000.0
<i>Arachis hypogaea</i> Groundnut; Peanut	1	4200.0
<i>Armoracia rusticana</i> Horseradish	1	20000.0
<i>Artemisia vulgaris</i> Mugwort	1	5600.0
<i>Artemisia herba-alba</i> Desert Wormwood	1	
<i>Artemisia dracunculus</i> Tarragon	2	
<i>Artemisia capillaris</i> Capillary Wormwood	1	
<i>Artemisia annua</i> Qinghao; Sweet Annie; Annual Wormwood (GRIN); Sweet Wormwood (GRIN); Annual Mugwort (GRIN)	6	
<i>Artemisia absinthium</i> Wormwood	1	120.0
<i>Artocarpus altilis</i> Breadfruit	1	1060.0
<i>Asimina triloba</i> Pawpaw	1	6666.0
<i>Asparagus officinalis</i> Asparagus	3	1728.0
<i>Avena sativa</i> Oats	1	14400.0
<i>Averrhoa carambola</i> Star Fruit; Carambola	1	
<i>Azadirachta indica</i> Neem	1	3842.0
<i>Beta vulgaris</i> Sugar Beet; Beetroot; Beet; Garden Beet	1	4000.0
<i>Boehmeria nivea</i> Ramie	1	7400.0
<i>Brassica rapa</i> Turnip; Rapini; Seven-Top Turnip	1	10200.0
<i>Brassica pekinensis</i> Chinese Cabbage	1	2730.0
<i>Brassica oleracea</i> var. <i>italica</i> Cape Broccoli; Winter Broccoli; Heading Broccoli; Broccoli; Purple Cauliflower; Asparagus Broccoli; Sprouting Broccoli; Calabrese	1	
<i>Brassica oleracea</i> var. <i>capitata</i> I. Cabbage; White Cabbage; Red Cabbage	1	17500.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	23600.0
<i>Brassica napus</i> var. <i>napobrassica</i> Swede; Swedish Turnip; Rutabaga	1	10000.0
<i>Bromelia pinguin</i> Wild Pineapple	1	
<i>Camellia sinensis</i> Tea	3	1760.0
<i>Cananga odorata</i> Ylang-Ylang; Cananga	1	

Plant	# Chemicals	Total PPM
<i>Capsicum annuum</i> Cherry Pepper; Cone Pepper; Green Pepper; Sweet Pepper; Paprika; Bell Pepper	2	4880.0
<i>Carica papaya</i> Papaya	1	1800.0
<i>Carya ovata</i> Shagbark Hickory	1	4360.0
<i>Carya illinoensis</i> Pecan	1	1600.0
<i>Cichorium endivia</i> Endive; Escarole	1	1824.0
<i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon	1	3800.0
<i>Cinnamomum sieboldii</i> Japanese Cinnamon	1	3400.0
<i>Cinnamomum camphora</i> Ho Leaf; Camphor	1	
<i>Cinnamomum burmannii</i> Padang Cassia; Java Cinnamon	1	2000.0
<i>Cinnamomum aromaticum</i> China Junk Cassia; Canelle de Cochinchine (Fr.); Cassia Bark; Saigon Cinnamon; Cassia; Chinesischer Zimtbaum (Ger.); Zimtcassie (Ger.); Cannelier de Chine (Fr.); Chinazimt (Ger.); Cassia Lignea; Canela de la China (Sp.); Cannelier Casse (Fr.); Chinese Cassia; Canelero chino (Sp.); Chinese Cinnamon; Kashia-Keihi (Jap.)	2	2400.0
<i>Citrus sinensis</i> Orange	1	2000.0
<i>Citrus reticulata</i> Mandarin; Tangerine	2	2000.0
<i>Citrus paradisi</i> Grapefruit	1	4180.0
<i>Cocos nucifera</i> Nariyal; Coconut; Coconut Palm; Copra; Cocotero (Sp.); Kokospalme (Ger.)	1	2740.0
<i>Coffea arabica</i> Coffee	2	
<i>Colocasia esculenta</i> Taro	1	1610.0
<i>Commiphora myrrha</i> Somali Myrrh; Myrrhe (Fr., Ger.); Myrrh; Mirra (Sp. It.); Herabol Myrrh; African Myrrh	1	
<i>Corylus avellana</i> Cobnut; European Filbert; European Hazel; Hazel; English Filbert	1	4140.0
<i>Cucumis sativus</i> Cucumber	1	10500.0
<i>Cucumis melo</i> Melon; Netted Melon; Cantaloupe; Muskmelon; Persian Melon; Nutmeg Melon	1	396.0
<i>Cyrtosperma chamissonis</i> Swamp Taro	1	390.0
<i>Daucus carota</i> Carrot	1	3270.0
<i>Dioscorea alata</i> Greater Yam; Winged Yam	1	1980.0
<i>Ephedra sinica</i> Ma Huang; Chinese Ephedra	1	
<i>Eupatorium perfoliatum</i> Boneset	1	
<i>Fallopia japonica</i> Japanese Knotweed; Giant Knotweed; Mexican Bamboo; Hu-Zhang	1	5200.0
<i>Fragaria</i> spp Strawberry	1	2540.0
<i>Genipa americana</i> Genipap; Jagua	1	6600.0
<i>Glechoma hederacea</i> Alehoof	1	6800.0
<i>Glycine max</i> Soybean	1	8132.0
<i>Glycyrrhiza glabra</i> Smooth Licorice; Licorice-Root; Licorice; Commom Licorice	1	
<i>Guaiacum</i> sp. Guaiac	1	
<i>Helianthus annuus</i> Sunflower; Girasol	1	9760.0
<i>Hibiscus sabdariffa</i> Sorrel; Rosa de Jamaica (Sp.); Sereni (Sp.); Roselle; Rosella (Ger.); Acedera de Guinea (Sp.); Indian Sorrel; Malventee (Ger.); Jamaica Sorrel; Red Sorrel; Kharkadi	1	8000.0
<i>Hordeum vulgare</i> Barleygrass; Barley	1	400.0
<i>Ipomoea batatas</i> Sweet Potato	1	1220.0
<i>Jasminum officinale</i> Jasmine; Poet's Jessamine	1	
<i>Juglans regia</i> English Walnut	1	2080.0
<i>Juglans nigra</i> Black Walnut	1	5304.0
<i>Juglans cinerea</i> Butternut	1	5740.0

Plant	# Chemicals	Total PPM
<i>Juniperus oxycedrus</i> Cade Oil; Spanish Cedar; Prickly Juniper; Brown Juniper; Cade	1	90.0
<i>Lactuca sativa</i> Lettuce	1	7600.0
<i>Larrea tridentata</i> Chaparral; Creosote Bush	1	3200.0
<i>Lens culinaris</i> Lentil	1	2440.0
<i>Lepidium sativum</i> Garden Cress	1	19090.0
<i>Ligustrum japonicum</i> Japanese Privet; Ligustri Fructus	2	
<i>Linum usitatissimum</i> Flax; Linseed	1	5347.0
<i>Lycopersicon esculentum</i> Tomato	1	4660.0
<i>Malus domestica</i> Apple	1	46.0
<i>Mangifera indica</i> Mango	1	5830.0
<i>Manihot esculenta</i> Yuca; Cassava; Tapioca	1	500.0
<i>Matricaria recutita</i> German Camomile; Annual Camomile; Wild Camomile	1	
<i>Mentha x piperita</i> Peppermint	1	0.04
<i>Moringa oleifera</i> Moringa; West Indian Ben; Horseradish Tree; Jacinto (Sp.); Ben Nut; Benzolive Tree; Drumstick Tree	1	
<i>Morus alba</i> Sang-Pai-Pi; White Mulberry	3	11200.0
<i>Murraya</i> sp None	1	900.0
<i>Musa x paradisiaca</i> Banana; Plantain	1	600.0
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Ocimum tenuiflorum</i> Anise-Scented Basil	1	
<i>Oryza sativa</i> Rice	1	2000.0
<i>Panax quinquefolius</i> Ginseng; American Ginseng	1	3000.0
<i>Panicum maximum</i> Guinea grass	1	
<i>Pastinaca sativa</i> Parsnip	1	22100.0
<i>Petasites japonicus</i> Butterbur	1	14600.0
<i>Petroselinum crispum</i> Parsley	1	9400.0
<i>Peucedanum decursivum</i> Qian Hu	1	10400.0
<i>Phaseolus vulgaris</i> Popping Bean; Black Bean; French Bean; Pop Bean; Kidney Bean; Navy Bean; Haricot Bean; Garden Bean; Dwarf Bean; Wax Bean; Snap Bean; String Bean; Flageolet Bean; Haricot Vert; Haricot; Field Bean; Green Bean	1	2024.0
<i>Phoenix dactylifera</i> Date Palm	1	1180.0
<i>Phyllanthus emblica</i> Myrobalan; Emblic	1	1640.0
<i>Physalis peruviana</i> Ground Cherry; Cape Gooseberry	1	5030.0
<i>Physalis ixocarpa</i> Tomatillo	1	6500.0
<i>Pimpinella anisum</i> Anise; Sweet Cumin	2	
<i>Pinus sylvestris</i> Scotch Pine	1	
<i>Piper nigrum</i> White Pepper; Pepper; Black Pepper	2	251520.0
<i>Piper cubeba</i> Cubeb; Cubeb Pepper	1	
<i>Pistacia vera</i> Pistachio	1	5740.0
<i>Pisum sativum</i> Pea	1	9180.0
<i>Polystichum polyblepharum</i> Chinese Polystichum	1	4200.0
<i>Portulaca oleracea</i> Purslane; Verdolaga	1	12600.0
<i>Prunus persica</i> Peach	1	1400.0
<i>Prunus dulcis</i> Almond	2	6840.0
<i>Prunus domestica</i> Plum	1	800.0

Plant	# Chemicals	Total PPM
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Psidium guajava</i> Guava	1	280.0
<i>Punica granatum</i> Zakuro (Jap.); Romanzeiro (Port.); Mangrano (Sp.); Granatapfelstrauch (Ger.); Grenadier (Fr.); Granado (Sp.); Pomegranate; Granatapfelbaum (Ger.)	1	240.0
<i>Pyrus communis</i> Pear	1	600.0
<i>Quercus rubra</i> Northern Red Oak	1	2320.0
<i>Raphanus sativus</i> Radish	1	12280.0
<i>Rheum rhabarbarum</i> Rhubarb	1	2480.0
<i>Rheum palmatum</i> Chinese Rhubarb	2	
<i>Rhizophora mangle</i> Red Mangrove	1	15800.0
<i>Ribes uva-crispa</i> Gooseberry	1	2226.0
<i>Ribes rubrum</i> Red Currant; White Currant	1	3564.0
<i>Ribes nigrum</i> Black Currant	1	2770.0
<i>Rosa canina</i> Dogbrier; Rose; Dog Rose	1	2000.0
<i>Rubus idaeus</i> Red Raspberry; Raspberry	1	
<i>Rubus chamaemorus</i> Cloudberry	1	2370.0
<i>Rumex crispus</i> Sour Dock; Lengua De Vaca; Yellow Dock; Curly Dock	1	
<i>Salvia tomentosa</i> Sage	1	
<i>Salvia officinalis</i> Sage	1	
<i>Santalum album</i> White Sandalwood	1	
<i>Secale cereale</i> Rye	1	
<i>Sideritis</i> sp	1	
<i>Solanum tuberosum</i> Potato	1	3800.0
<i>Solanum melongena</i> Aubergine; Eggplant	1	304.0
<i>Spinacia oleracea</i> Spinach	1	11400.0
<i>Spondias tuberosa</i> Umbu; Imbu	1	240.0
<i>Spondias dulcis</i> Ambarella	1	2160.0
<i>Stellaria media</i> Common Chickweed; Chickweed	1	7656.0
<i>Syringa vulgaris</i> Lilac	1	
<i>Syzygium jambos</i> Rose Apple; Pomarrosa	1	
<i>Syzygium cumini</i> Jambolan; Java Plum; Aceituna Dulce	1	
<i>Tamarindus indica</i> Tamarind; Kilytree; Indian Tamarind	2	1260.0
<i>Taraxacum officinale</i> Dandelion	1	6600.0
<i>Thymus vulgaris</i> Common Thyme; Thyme; Garden Thyme	1	
<i>Tragopogon porrifolius</i> Salsify	1	500.0
<i>Trichosanthes anguina</i> Snakegourd	1	12960.0
<i>Trigonella foenum-graecum</i> Greek Clover; Fenugreek; Greek Hay; Bockshornklee (Ger.); Alholva (Sp.)	1	3340.0
<i>Triticum aestivum</i> Wheat	1	12200.0
<i>Urtica dioica</i> European Nettle; Stinging Nettle	1	13330.0
<i>Vaccinium vitis-idaea</i> Lingen; Cowberry; Lingonberry	1	2150.0
<i>Vaccinium myrtillus</i> Bilberry; Whortleberry; Dwarf Bilberry	2	2150.0
<i>Vaccinium macrocarpon</i> Cranberry; American Cranberry; Large Cranberry	1	1000.0
<i>Vaccinium corymbosum</i> Blueberry	1	

Plant	# Chemicals	Total PPM
<i>Vanilla tahitensis</i> Tahiti Vanilla	1	
<i>Vanilla planifolia</i> Vanilla; Bourbon Vanilla	2	
<i>Veratrum viride</i> American Hellebore; Indian Poke	1	
<i>Vicia faba</i> Broadbean; Faba Bean; Habas	1	7260.0
<i>Vigna radiata</i> Green Gram; Mungbean	1	4756.0
<i>Vigna mungo</i> Black Gram	1	3906.0
<i>Vigna aconitifolia</i> Moth Bean; Mat Bean	1	4036.0
<i>Vitex agnus-castus</i> Chaste-Tree	4	
<i>Vitis vinifera</i> Vid (Sp.); European Grape; Vigne Vinifere (Fr.); Parra (Sp.); Grapevine; Grape; Wine Grape; Weinrebe (Ger.)	1	1776.0
<i>Xanthosoma sagittifolium</i> Malanga; Yautia; Tannia	1	1160.0
<i>Xylopia aethiopica</i> Negro Pepper; Mohrenpfeffer (Ger.); Pimienta de Guinea (Sp.); Maniguete (Sp.); Guinea Pepper; Spice Tree; Ethiopian Pepper	1	
<i>Zea mays</i> Corn	1	2280.0