

# A Renotoxic

\*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	206.0
<i>Acacia nilotica</i> Babul	1	
<i>Aconitum napellus</i> Garden Wolfsbane; Helmet Flower; Aconite; Blue Rocket; Soldier's Cap; European Aconite; Garden Monkshood; Friar's Cap; Queen's Fettle; Turk's Cap; Monkshood; Bear's-Foot	1	
<i>Acorus calamus</i> Calamus; Flagroot; Myrtle Flag; Sweet Calamus; Sweetflag; Sweetroot	1	
<i>Aframomum melegueta</i> Melegueta Pepper; Alligator Pepper; Grains-of-Paradise; Guinea Grains; Malagettapfeffer (Ger.); Malagueta (Sp.)	1	
<i>Agave americana</i> Maguey; Century Plant	1	
<i>Allium schoenoprasum</i> Chives	1	
<i>Allium cepa</i> Onion; Shallot	1	20.0
<i>Allium ampeloprasum</i> Elephant Garlic; Kurrat	1	
<i>Alocasia macrorrhiza</i> Giant Taro	1	
<i>Anacardium occidentale</i> Cashew	1	6368.0
<i>Ananas comosus</i> Pineapple	1	116.0
<i>Angelica archangelica</i> Wild Parsnip; Garden Angelica; Angelica	1	
<i>Apium graveolens</i> Celery	1	
<i>Arctostaphylos uva-ursi</i> Uva Ursi; Bearberry	1	
<i>Avena sativa</i> Oats	1	800.0
<i>Averrhoa carambola</i> Carambola; Star Fruit	1	
<i>Benincasa hispida</i> Waxgourd	1	68.0
<i>Beta vulgaris</i> Beetroot; Beet; Sugar Beet; Garden Beet	1	808.0
<i>Brassica oleracea</i> var. <i>capitata</i> I. Cabbage; White Cabbage; Red Cabbage	1	700.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	136.0
<i>Brassica juncea</i> Mustard Greens	1	2574.0
<i>Byrsonima crassifolia</i> Nance	1	
<i>Camellia sinensis</i> Tea	1	20000.0
<i>Capparis spinosa</i> Caper; Caperbush	1	
<i>Capsella bursa-pastoris</i> Shepherd's Purse	1	
<i>Capsicum frutescens</i> Hot Pepper; Cayenne; Chili; Red Chili; Tabasco; Spur Pepper	1	
<i>Capsicum annuum</i> Cherry Pepper; Bell Pepper; Paprika; Green Pepper; Sweet Pepper; Cone Pepper	1	2342.0
<i>Chenopodium album</i> Lambsquarter	1	600000.0
<i>Cicer arietinum</i> Chickpea; Garbanzo	1	48.0
<i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon	1	
<i>Citrus sinensis</i> Orange	1	174.0
<i>Citrus reticulata</i> Mandarin; Tangerine	1	
<i>Citrus paradisi</i> Grapefruit	1	
<i>Citrus aurantiifolia</i> Lime	1	
<i>Coffea arabica</i> Coffee	1	308.0
<i>Colocasia esculenta</i> Taro	1	2668.0
<i>Coriandrum sativum</i> Coriander; Chinese Parsley; Cilantro	1	100.0

Plant	# Chemicals	Total PPM
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus laevigata</i> Whitethorn; Woodland Hawthorn; English Hawthorn; Hawthorn	1	
<i>Cucurbita pepo</i> Pumpkin	1	800.0
<i>Daucus carota</i> Carrot	1	112.0
<i>Ephedra sinica</i> Ma Huang; Chinese Ephedra	1	
<i>Equisetum arvense</i> Field Horsetail; Horsetail	1	
<i>Eucalyptus citriodora</i> Citron-Scented Gum; Spotted Gum; Lemon-Scented Gum; Lemon Eucalyptus	1	
<i>Fagopyrum esculentum</i> Buckwheat	1	222000.0
<i>Ficus carica</i> Feigenbaum (Ger.); Echte Feige (Ger.); Fig; Fico (Ital.); Figuier Commun (Fr.); Figueira (Port.); Higo (Sp.); Higuera Comun (Sp.)	1	
<i>Glycine max</i> Soybean	1	1540.0
<i>Glycyrrhiza glabra</i> Licorice; Smooth Licorice; Licorice-Root; Commom Licorice	1	
<i>Haematoxylum campechianum</i> Campechy; Logwood	1	
<i>Hibiscus sabdariffa</i> Roselle; Rosella (Ger.); Sorrel; Malventee (Ger.); Red Sorrel; Kharkadi; Indian Sorrel; Jamaica Sorrel; Sereni (Sp.); Acedera de Guinea (Sp.); Rosa de Jamaica (Sp.)	1	
<i>Ipomoea batatas</i> Sweet Potato	1	2000.0
<i>Juniperus communis</i> Common Juniper; Juniper	1	
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	
<i>Kalanchoe daegrimontiana</i> Devil's-Backbone	1	
<i>Lactuca virosa</i> Bitter Lettuce	1	20000.0
<i>Lactuca scariola</i> Prickly Lettuce	1	
<i>Lactuca sativa</i> Lettuce	1	272.0
<i>Ledum palustre</i> Wild Rosemary; Marsh Tea	1	
<i>Lens culinaris</i> Lentil	1	424.0
<i>Lupinus albus</i> White Lupine	1	
<i>Lycopersicon esculentum</i> Tomato	1	526.0
<i>Malus domestica</i> Apple	1	
<i>Mangifera indica</i> Mango	1	600.0
<i>Manihot esculenta</i> Yuca; Tapioca; Cassava	1	342.0
<i>Medicago sativa</i> Lucerne; Alfalfa	1	
<i>Mentha spicata</i> Hortela da Folha Miuda; Spearmint	1	76.0
<i>Momordica charantia</i> Bitter Melon; Sorosi	1	10.0
<i>Moringa oleifera</i> West Indian Ben; Ben Nut; Jacinto (Sp.); Drumstick Tree; Moringa; Benzolive Tree; Horseradish Tree	1	
<i>Morus alba</i> White Mulberry; Sang-Pai-Pi	1	
<i>Murraya sp</i> None	1	10480.0
<i>Murraya koenigii</i> Curry Leaf Tree; Curry Leaf; Indian Curry Tree	1	
<i>Musa x paradisiaca</i> Banana; Plantain	1	10480.0
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Opuntia ficus-indica</i> Nopalito; Indian Fig; Prickly Pear; Nopal	1	
<i>Oryza sativa</i> Rice	1	92.0
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	32400.0
<i>Parthenocissus quinquefolia</i> American-ivy; Five-leaf-ivy; Amerika-zuta (Jap.); Virginia-creeper; Woodbine	1	
<i>Pastinaca sativa</i> Parsnip	1	410.0

Plant	# Chemicals	Total PPM
<i>Phaseolus vulgaris</i> String Bean; Navy Bean; Green Bean; Flageolet Bean; French Bean; Dwarf Bean; Popping Bean; Snap Bean; Haricot Bean; Kidney Bean; Garden Bean; Black Bean; Pop Bean; Haricot; Field Bean; Haricot Vert; Wax Bean	1	624.0
<i>Phoenix dactylifera</i> Date Palm	1	
<i>Physalis ixocarpa</i> Tomatillo	1	1072.0
<i>Piper nigrum</i> Black Pepper; White Pepper; Pepper	1	68000.0
<i>Piper methysticum</i> Kava-Kava	1	
<i>Piper betel</i> Betel Pepper	1	
<i>Pisum sativum</i> Pea	1	120.0
<i>Plantago psyllium</i> Psyllium	1	
<i>Plectranthus amboinicus</i> Country Borage; Amboini Coleus; Cuban Oregano; Soup Mint; Spanish Thyme; French Thyme; Indian Borage; Mexican Mint	1	
<i>Polygonum hydropiperoides</i> Mild Water Pepper	1	
<i>Portulaca oleracea</i> Purslane; Verdolaga	1	33580.0
<i>Prunus persica</i> Peach	1	20.0
<i>Prunus dulcis</i> Almond	1	8146.0
<i>Psidium guajava</i> Guava	1	280.0
<i>Punica granatum</i> Pomegranate; Grenadier (Fr.); Granado (Sp.); Granatapfelstrauch (Ger.); Romanzeiro (Port.); Granatapfelbaum (Ger.); Zakuro (Jap.); Mangrano (Sp.)	1	280.0
<i>Raphanus sativus</i> Radish	1	184.0
<i>Rheum rhabarbarum</i> Rhubarb	1	48720.0
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Ribes uva-crispa</i> Gooseberry	1	
<i>Ribes rubrum</i> White Currant; Red Currant	1	
<i>Ribes nigrum</i> Black Currant	1	400.0
<i>Rubus fruticosus</i> Blackberry	1	
<i>Rumex crispus</i> Curly Dock; Sour Dock; Lengua De Vaca; Yellow Dock	1	
<i>Rumex acetosella</i> Sheep Sorrel	1	
<i>Rumex acetosa</i> Garden Sorrel	1	6000.0
<i>Salvia officinalis</i> Sage	1	
<i>Sambucus nigra</i> European Elderberry; European Elder; European Alder; Elder; Black Elder	1	
<i>Sechium edule</i> Chayote	1	680.0
<i>Sesamum indicum</i> Sesame; Beni; Benneseed; Ajonjoli (Sp.); Sesamo (Sp.)	1	
<i>Sinapis alba</i> White Mustard	1	
<i>Solanum tuberosum</i> Potato	1	300.0
<i>Solanum melongena</i> Aubergine; Eggplant	1	582.0
<i>Sophora pachycarpa</i> Siberian Pachycarpa	1	
<i>Spinacia oleracea</i> Spinach	1	100480.0
<i>Stellaria media</i> Chickweed; Common Chickweed	1	
<i>Syzygium cumini</i> Jambolan; Java Plum; Aceituna Dulce	1	
<i>Tamarindus indica</i> Tamarind; Indian Tamarind; Kilytree	1	3920.0
<i>Taraxacum officinale</i> Dandelion	1	
<i>Terminalia chebula</i> Myrobalan; Ink Nut; Black Myrobalan; Chebulic Myrobalan	1	
<i>Terminalia catappa</i> Malabar Almond; Indian Almond; Tropical Almond	1	

Plant	# Chemicals	Total PPM
<i>Terminalia bellirica</i> Myrobalan; Myrobalan Belleric; Beleric Myrobalan; Belleric; Bahera	1	
<i>Terminalia arjuna</i> Arjun; Arjuna	1	
<i>Theobroma cacao</i> Cacao	1	10000.0
<i>Trichosanthes anguina</i> Snakegourd	1	680.0
<i>Trifolium pratense</i> Red Clover; Purple Clover; Cowgrass; Peavine Clover	1	
<i>Trigonella foenum-graecum</i> Alholva (Sp.); Greek Clover; Bockshornklee (Ger.); Fenugreek; Greek Hay	1	
<i>Triticum aestivum</i> Wheat	1	222.0
<i>Tropaeolum majus</i> Nasturtium	1	
<i>Tulipa gesneriana</i> Tulip	1	
<i>Urtica dioica</i> European Nettle; Stinging Nettle	1	
<i>Vaccinium myrtillus</i> Bilberry; Whortleberry; Dwarf Bilberry	1	
<i>Vaccinium macrocarpon</i> American Cranberry; Cranberry; Large Cranberry	1	
<i>Vanilla planifolia</i> Bourbon Vanilla; Vanilla	1	
<i>Viburnum prunifolium</i> Black Haw	1	
<i>Vicia faba</i> Faba Bean; Habas; Broadbean	1	140.0
<i>Vigna mungo</i> Black Gram	1	556.0
<i>Vitis vinifera</i> Wine Grape; Weinrebe (Ger.); Vid (Sp.); Parra (Sp.); Vigne Vinifere (Fr.); Grape; Grapevine; European Grape	1	68.0
<i>Zea mays</i> Corn	1	198.0
<i>Zingiber officinale</i> Ginger	1	10000.0