

A Refrigerant

*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>Achillea millefolium</i> Milfoil; Yarrow	1	
<i>Acinos suaveolens</i>	1	
<i>Aconitum napellus</i> Monkshood; Garden Monkshood; Garden Wolfsbane; European Aconite; Soldier's Cap; Helmet Flower; Turk's Cap; Bear's-Foot; Blue Rocket; Aconite; Friar's Cap; Queen's Fettle	1	
<i>Acorus calamus</i> Calamus; Sweet Calamus; Sweetflag; Myrtle Flag; Flagroot; Sweetroot	1	
<i>Adonis vernalis</i> Spring Adonis	1	
<i>Aesculus hippocastanum</i> Horse Chestnut	1	
<i>Allium schoenoprasum</i> Chives	1	
<i>Allium cepa</i> Onion; Shallot	1	
<i>Alocasia macrorrhiza</i> Giant Taro	1	
<i>Anabasis aphylla</i> Anabasis	1	
<i>Ananas comosus</i> Pineapple	1	172000.0
<i>Annona squamosa</i> Sweetsop; Sugar-Apple	1	
<i>Annona muricata</i> Soursop	1	
<i>Apium graveolens</i> Celery	1	
<i>Arctostaphylos uva-ursi</i> Bearberry; Uva Ursi	1	
<i>Artemisia dracunculus</i> Tarragon	1	1000.0
<i>Artemisia annua</i> Annual Mugwort (GRIN); Annual Wormwood (GRIN); Sweet Wormwood (GRIN); Qinghao; Sweet Annie	1	
<i>Avena sativa</i> Oats	1	
<i>Averrhoa carambola</i> Carambola; Star Fruit	1	
<i>Berberis vulgaris</i> Barberry	1	
<i>Beta vulgaris</i> Beetroot; Beet; Garden Beet; Sugar Beet	1	
<i>Brassica oleracea</i> var. <i>sabellica</i> I. Scotch Kale; Kitchen Kale; Curly Kale; Kale	1	
<i>Brassica oleracea</i> var. <i>italica</i> Purple Cauliflower; Calabrese; Broccoli; Heading Broccoli; Winter Broccoli; Sprouting Broccoli; Cape Broccoli; Asparagus Broccoli	1	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussels-Sprouts; Brussel-Sprout	1	
<i>Brassica oleracea</i> var. <i>capitata</i> I. White Cabbage; Red Cabbage; Cabbage	2	
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	
<i>Brassica oleracea</i> Kohlrabi	1	
<i>Calamintha nepeta</i> Calamint	1	
<i>Camellia sinensis</i> Tea	1	
<i>Capparis spinosa</i> Caper; Caperbush	1	
<i>Capsella bursa-pastoris</i> Shepherd's Purse	1	
<i>Capsicum frutescens</i> Cayenne; Red Chili; Hot Pepper; Tabasco; Chili; Spur Pepper	1	
<i>Capsicum annuum</i> Sweet Pepper; Bell Pepper; Cone Pepper; Green Pepper; Paprika; Cherry Pepper	1	
<i>Carica papaya</i> Papaya	1	
<i>Catalpa ovata</i> Hsin-Pa-Pi; Kisasage	1	
<i>Cephaelis ipecacuanha</i> Ipecac; Raicilla	1	
<i>Chaenomeles lagenaria</i> Chinese Quince; Mu-Kua	1	
<i>Chelidonium majus</i> Celandine	1	

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<i>Cichorium intybus</i> Witloof; Chicory; Succory	1	
<i>Citrus sinensis</i> Orange	1	19600.0
<i>Citrus reticulata</i> Tangerine; Mandarin	1	24400.0
<i>Citrus paradisi</i> Grapefruit	1	42000.0
<i>Citrus mitis</i> Calamansi; Calamondin	1	
<i>Citrus limon</i> Lemon	1	119000.0
<i>Citrus aurantium</i> Petitgrain; Bitter Orange	1	
<i>Citrus aurantiifolia</i> Lime	1	1600.0
<i>Cocos nucifera</i> Coconut; Coconut Palm; Copra; Nariyal; Cocotero (Sp.); Kokospalme (Ger.)	2	
<i>Coffea arabica</i> Coffee	1	
<i>Convallaria majalis</i> Lily-Of-The-Valley	1	
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus laevigata</i> Whitethorn; English Hawthorn; Hawthorn; Woodland Hawthorn	1	
<i>Cryptostegia grandifolia</i> Rubber Vine	1	
<i>Cucumis melo</i> Persian Melon; Nutmeg Melon; Muskmelon; Netted Melon; Melon; Cantaloupe	1	
<i>Cymbopogon nardus</i> Ceylon Citronella; Citronella	1	
<i>Datura stramonium</i> Jimsonweed	1	1500.0
<i>Daucus carota</i> Carrot	1	
<i>Digitalis purpurea</i> Purple Foxglove	1	
<i>Elytrigia repens</i> Couchgrass; Twitchgrass; Doggrass; Wheatgrass; Quackgrass	1	
<i>Equisetum arvense</i> Field Horsetail; Horsetail	1	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Euonymus atropurpureus</i> Burning Bush; Wahoo	1	
<i>Euphorbia tirucalli</i> Aveloz	1	148000.0
<i>Fagopyrum esculentum</i> Buckwheat	1	16400.0
<i>Ficus carica</i> Feigenbaum (Ger.); Figueira (Port.); Fico (Ital.); Higuera Comun (Sp.); Higo (Sp.); Figuier Commun (Fr.); Echte Feige (Ger.); Fig	1	8800.0
<i>Filipendula ulmaria</i> Meadowsweet; Queen Of The Meadow	1	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Fragaria spp</i> Strawberry	1	16000.0
<i>Galium odoratum</i> Waldmeister; Woodruff	1	
<i>Garcinia mangostana</i> Mangosteen; Mangostin	1	
<i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree	1	
<i>Glechoma hederacea</i> Alehoof	1	
<i>Glycine max</i> Soybean	1	26000.0
<i>Hedeoma pulegioides</i> American Pennyroyal	1	60.0
<i>Hedeoma drummondii</i> Drummond's Pennyroyal	1	20.0
<i>Helianthus annuus</i> Sunflower; Girasol	1	3800.0
<i>Hibiscus sabdariffa</i> Roselle; Malventee (Ger.); Jamaica Sorrel; Sorrel; Rosa de Jamaica (Sp.); Kharkadi; Red Sorrel; Rosella (Ger.); Sereni (Sp.); Indian Sorrel; Acedera de Guinea (Sp.)	1	340000.0
<i>Hippophae rhamnoides</i> Sea Buckthorn; Yellow Spine; Sallow Thorn	1	
<i>Hyptis suaveolens</i> Wild Hops	1	
<i>Juglans regia</i> English Walnut	1	

Plant	# Chemicals	Total PPM
<i>Juniperus communis</i> Common Juniper; Juniper	2	44.0
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	
<i>Lactuca virosa</i> Bitter Lettuce	1	
<i>Lactuca scariola</i> Prickly Lettuce	1	
<i>Lactuca sativa</i> Lettuce	1	1000.0
<i>Ledum palustre</i> Wild Rosemary; Marsh Tea	1	
<i>Leonurus cardiaca</i> Motherwort	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Lupinus albus</i> White Lupine	1	
<i>Lycopersicon esculentum</i> Tomato	1	
<i>Malus domestica</i> Apple	1	
<i>Mammea americana</i> Mamey	1	
<i>Mangifera indica</i> Mango	1	
<i>Medicago sativa</i> Alfalfa; Lucerne	1	
<i>Mentha x rotundifolia</i> Applemint	1	160.0
<i>Mentha x piperita</i> Peppermint	1	26750.0
<i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda	1	1150.0
<i>Mentha sp</i> Mint	1	
<i>Mentha pulegium</i> European Pennyroyal	1	7560.0
<i>Mentha longifolia</i> Biblical Mint	1	920.0
<i>Mentha arvensis</i> var. <i>piperascens</i> Japanese Mint; Field Mint; Cornmint	1	50035.0
<i>Mentha aquatica</i> Water Mint	1	7140.0
<i>Micromeria thymifolia</i>	1	
<i>Micromeria fruticosa</i> Tea Hyssop; Zopha; Zuta	1	
<i>Minthostachys mollis</i> Muna; Tipo	1	
<i>Morus alba</i> White Mulberry; Sang-Pai-Pi	1	
<i>Musa x paradisiaca</i> Banana; Plantain	1	
<i>Myrciaria dubia</i> Camu-camu (Eng.,Peru,Scn.,Sp.); Camu-camu Negro (Peru); Araza de Agua (Sp.); Camo Camo (Peru); Guapuro Blanco (Bol.); Rumberry (Eng.)	1	
<i>Myrtus communis</i> Myrtle; Myrte (Ger.); Arrayan (Sp.); Mirto (Sp.)	1	
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Ocimum basilicum</i> Basil; Cuban Basil; Sweet Basil	1	64.0
<i>Ononis spinosa</i> Restharrow; Hauhechel (Ger.); Spiny Restharrow	1	
<i>Opuntia ficus-indica</i> Nopalito; Nopal; Prickly Pear; Indian Fig	1	9120.0
<i>Panax quinquefolius</i> American Ginseng; Ginseng	1	6000.0
<i>Panax ginseng</i> Korean Ginseng; Ginseng; Chinese Ginseng; Oriental Ginseng	1	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Paris quadrifolia</i> Herb Paris	1	
<i>Passiflora edulis</i> Passionfruit; Maracuya	1	
<i>Pelargonium graveolens</i> Rose Geranium; Scented Geranium	1	3704.0
<i>Petroselinum crispum</i> Parsley	1	
<i>Physalis peruviana</i> Cape Gooseberry; Ground Cherry	1	44000.0
<i>Physalis ixocarpa</i> Tomatillo	1	23380.0

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<i>Piscidia piscipula</i> Jamaica Dogwood	1	
<i>Pisum sativum</i> Pea	1	
<i>Plantago major</i> Common Plantain	1	
<i>Polypodium vulgare</i> Sweet Fern; Common Polypody	1	
<i>Portulaca oleracea</i> Purslane; Verdolaga	1	10200.0
<i>Prunus persica</i> Peach	1	
<i>Prunus domestica</i> Plum	1	
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Prunus armeniaca</i> Apricot	1	
<i>Psidium guajava</i> Guava	1	
<i>Punica granatum</i> Mangrano (Sp.); Granatapfelstrauch (Ger.); Zakuro (Jap.); Romanzeiro (Port.); Granado (Sp.); Granatapfelbaum (Ger.); Grenadier (Fr.); Pomegranate	1	24600.0
<i>Pycnanthemum virginianum</i> Virginia Mountain Mint	1	6032.0
<i>Pycnanthemum tenuifolium</i> Slenderleaf Mountain Mint	1	1240.0
<i>Pycnanthemum setosum</i> Setose Mountain Mint	1	
<i>Pycnanthemum pilosum</i> Pilose Mountain Mint	1	2800.0
<i>Pycnanthemum muticum</i> Muticous Mountain Mint	1	900.0
<i>Pycnanthemum montanum</i> Montane Mountain Mint	1	64.0
<i>Pycnanthemum incanum</i> Hoary Mountain Mint	1	1596.0
<i>Pycnanthemum clinopodioides</i> Clinopod Mountain Mint	1	352.0
<i>Pycnanthemum beadlei</i> Beadle's Mountain Mint	1	280.0
<i>Pyrus communis</i> Pear	1	
<i>Quisqualis indica</i> Rangoon Creeper	1	
<i>Rheum rhabarbarum</i> Rhubarb	1	
<i>Rheum palmatum</i> Chinese Rhubarb	1	
<i>Rhododendron ferrugineum</i> Rusty-Leaved Alpenrose	1	
<i>Rhododendron dauricum</i> Chinese Alpenrose	1	
<i>Ribes uva-crispa</i> Gooseberry	1	17600.0
<i>Ribes rubrum</i> White Currant; Red Currant	1	40400.0
<i>Ribes nigrum</i> Black Currant	1	70000.0
<i>Rosa</i> spp Rose Hips	1	
<i>Rosa laevigata</i> Cherokee Rose	1	
<i>Rosa canina</i> Rose; Dogbrier; Dog Rose	1	30000.0
<i>Rubus idaeus</i> Red Raspberry; Raspberry	1	
<i>Rubus chingii</i> Chinese Raspberry	1	
<i>Salvia officinalis</i> Sage	1	
<i>Sambucus nigra</i> European Alder; Elder; European Elderberry; Black Elder; European Elder	1	
<i>Satureja parvifolia</i> Small-Leaf Pampa Savory	1	
<i>Satureja odora</i> Scented Pampa Savory	1	
<i>Satureja grandiflora</i> French Savory	1	
<i>Schisandra chinensis</i> Wu Wei Zu; Chinese Magnolia Vine; Schizandra; Five-Flavor-Fruit; Wu Wei Zi; Magnolia Vine	1	
<i>Sclerocarya caffra</i> Marula	1	
<i>Sideritis scardica</i> Balkan Sideritis	1	

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<i>Solanum tuberosum</i> Potato	1	4000.0
<i>Solanum sessiliflorum</i> Cocona	1	
<i>Solanum nigrum</i> Black Nightshade	1	100000.0
<i>Sophora pachycarpa</i> Siberian Pachycarpa	1	
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spinacia oleracea</i> Spinach	1	
<i>Stevia rebaudiana</i> Ca-A-E; Stevia; Sweet Leaf of Paraguay	1	
<i>Tamarindus indica</i> Indian Tamarind; Tamarind; Kilytree	1	
<i>Theobroma cacao</i> Cacao	1	15000.0
<i>Urtica dioica</i> European Nettle; Stinging Nettle	1	
<i>Vaccinium vitis-idaea</i> Lingen; Lingonberry; Cowberry	1	
<i>Vaccinium myrtillus</i> Whortleberry; Dwarf Bilberry; Bilberry	1	
<i>Vaccinium macrocarpon</i> Cranberry; Large Cranberry; American Cranberry	1	
<i>Vanilla planifolia</i> Bourbon Vanilla; Vanilla	1	
<i>Viburnum prunifolium</i> Black Haw	1	
<i>Viburnum opulus</i> Snowballbush; European Cranberry Bush; Crampbark; Guelder Rose	1	
<i>Vicia faba</i> Broadbean; Habas; Faba Bean	1	
<i>Vitis vinifera</i> Grapevine; Parra (Sp.); Vid (Sp.); Vigne Vinifere (Fr.); Wine Grape; Weinrebe (Ger.); European Grape; Grape	1	
<i>Zea mays</i> Corn	1	
<i>Zizyphus jujuba</i> Da-Zao; Jujube; Ta-Tsao	1	24000.0