

A Anticancer (Liver)

*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>Abrus precatorius</i> Prayer Beads; Indian Licorice; Love Bean; Minnie-Minnies; Precatory Bean; Crab's Eye; Coral Beadplant; Rosary Pea; Weathervine; Jequirity Bean; Licorice Vine; Lucky Bean; Jequerity; Red Beadvine; Weatherplant	1	
<i>Acacia nilotica</i> Babul	1	
<i>Achillea millefolium</i> Yarrow; Milfoil	3	
<i>Aconitum napellus</i> Queen's Fettle; Aconite; Garden Monkshood; Helmet Flower; Blue Rocket; Bear's-Foot; Friar's Cap; Turk's Cap; Monkshood; European Aconite; Garden Wolfsbane; Soldier's Cap	1	
<i>Actaea dahurica</i> Xing an sheng ma; Sheng ma	1	
<i>Actaea cimicifuga</i> Foetid Bugbane; Sheng ma; Bugbane	1	
<i>Adonis vernalis</i> Spring Adonis	1	
<i>Aesculus hippocastanum</i> Horse Chestnut	1	
<i>Aglaonema commutatum</i> Aglaonema aroid	1	
<i>Agrimonia eupatoria</i> Sticklewort; Agrimony	2	
<i>Ajuga iva</i> Ivy Bugle	1	
<i>Alliaria petiolata</i> Garlic Mustard	1	1920.0
<i>Allium schoenoprasum</i> Chives	1	
<i>Allium sativum</i> var. <i>sativum</i> Garlic	6	252.0
<i>Allium cepa</i> Shallot; Onion	2	26.0
<i>Allium ampeloprasum</i> Elephant Garlic; Kurrat	3	
<i>Althaea officinalis</i> White Mallow; Marshmallow	2	
<i>Amorphophallus konjac</i> Leopard Palm; Umbrella Arum; Devil's Tongue; Snake Palm; Konjac; Elephant Yam	1	
<i>Ananas comosus</i> Pineapple	1	1520.0
<i>Anethum graveolens</i> Dill; Garden Dill	2	
<i>Angelica sinensis</i> Dang Qui; Dang Gui; Chinese Angelica; Dong Quai; Dang Quai; Dong Gui	1	
<i>Angelica archangelica</i> Garden Angelica; Angelica; Wild Parsnip	1	
<i>Apium graveolens</i> Celery	2	
<i>Arachis hypogaea</i> Groundnut; Peanut	2	114.0
<i>Arctium lappa</i> Gobo; Great Burdock; Burdock	1	
<i>Arctostaphylos uva-ursi</i> Uva Ursi; Bearberry	1	
<i>Arnica montana</i> Leopard's-Bane; Mountain Tobacco	1	
<i>Artemisia dracunculus</i> Tarragon	2	76.0
<i>Artemisia absinthium</i> Wormwood	1	
<i>Artemisia abrotanum</i> Southernwood	1	
<i>Aspalathus linearis</i> Rooibos; Red Bush Tea; Kaffree Tea	1	
<i>Asparagus officinalis</i> Asparagus	1	
<i>Astragalus membranaceus</i> Huang-Chi; Huang Qi	2	
<i>Avena sativa</i> Oats	2	
<i>Balanites aegyptiacus</i> Zachunbaum (Ger.); dattier sauvage (Fr.); zachun (India); mirobalano de Egipto (Sp.); betu (India); dattier du desert (Fr.); Soapberry Tree; lalo (India); heglik (Fr.); Desert Date; hingotia (India)	1	
<i>Ballota nigra</i> Black Horehound	2	
<i>Basella alba</i> Vinespinach	1	
<i>Berberis vulgaris</i> Barberry	1	

Plant	# Chemicals	Total PPM
<i>Beta vulgaris</i> Beetroot; Sugar Beet; Garden Beet; Beet	2	
<i>Boehmeria nivea</i> Ramie	1	
<i>Brassica pekinensis</i> Chinese Cabbage	1	12.0
<i>Brassica oleracea</i> var. <i>italica</i> Heading Broccoli; Broccoli; Sprouting Broccoli; Purple Cauliflower; Cape Broccoli; Calabrese; Asparagus Broccoli; Winter Broccoli	4	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussels-Sprouts; Brussel-Sprout	1	20.0
<i>Brassica oleracea</i> var. <i>capitata</i> I. Cabbage; Red Cabbage; White Cabbage	2	40.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	4	26.0
<i>Brassica nigra</i> Black Mustard	2	
<i>Calendula officinalis</i> Pot-Marigold; Calendula	1	
<i>Camellia sinensis</i> Tea	2	
<i>Canavalia ensiformis</i> Jack Bean	1	
<i>Cannabis sativa</i> Marihuana; Hemp; Indian Hemp; Marijuana	1	
<i>Capsicum frutescens</i> Spur Pepper; Chili; Hot Pepper; Cayenne; Tabasco; Red Chili	3	
<i>Capsicum annuum</i> Cherry Pepper; Bell Pepper; Cone Pepper; Paprika; Green Pepper; Sweet Pepper	4	1.2
<i>Catalpa ovata</i> Kisasage; Hsin-Pa-Pi	1	
<i>Celosia cristata</i> Cockscomb	1	
<i>Centaurea cyanus</i> Bachelor's Button; Cornflower	2	
<i>Centaurium erythraea</i> Centaury	1	
<i>Ceratonia siliqua</i> Locust Bean; St.John's-Bread; Carob	1	
<i>Chamaemelum nobile</i> Perennial Camomile; Garden Camomile; Roman Camomile	1	
<i>Chenopodium ambrosioides</i> Wormseed; Epazote	1	
<i>Chenopodium album</i> Lambsquarter	2	
<i>Cichorium intybus</i> Witloof; Succory; Chicory	2	
<i>Cimicifuga dahurica</i> Sheng Ma	1	
<i>Cinchona pubescens</i> Red Cinchona; Quinine; Redbark; Red Peruvian-Bark	1	
<i>Citrullus colocynthis</i> Colocynth	2	
<i>Citrus sinensis</i> Orange	2	52.8
<i>Citrus reticulata</i> Tangerine; Mandarin	2	4.0
<i>Citrus paradisi</i> Grapefruit	2	69.0
<i>Citrus limon</i> Lemon	1	80.0
<i>Clematis vitalba</i> Traveler's Joy	1	
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Cocos nucifera</i> Coconut; Cocotero (Sp.); Coconut Palm; Copra; Kokospalme (Ger.); Nariyal	1	
<i>Coffea arabica</i> Coffee	2	206000.0
<i>Coix lacryma-jobi</i> Adlay Millet; Yi-Yi-Ren; Adlay; Job'S-Tears	1	
<i>Commiphora wightii</i> Guggul; Indian Bdellium-Tree	1	
<i>Conium maculatum</i> Hemlock; Fool's Parsley; Carrot Fern; Poison Hemlock; Spotted Parsley; Spotted Hemlock	1	
<i>Convallaria majalis</i> Lily-Of-The-Valley	2	
<i>Coptis</i> spp Generic Goldthread	1	
<i>Coptis japonica</i> Japanese Goldthread; Huang-Lia; Huang-Lien; Huang-Lian	1	
<i>Coptis chinensis</i> Chinese Goldthread; Huang-Lien; Huang-Lian	1	
<i>Corchorus olitorius</i> Mulukiya; Nalta Jute; Jew's Mallow	1	

Plant	# Chemicals	Total PPM
<i>Coriandrum sativum</i> Coriander; Cilantro; Chinese Parsley	2	640.0
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus pentagyna</i> Hawthorn	1	
<i>Crataegus monogyna</i> English Hawthorn; Hawthorn	1	
<i>Crataegus laevigata</i> English Hawthorn; Hawthorn; Woodland Hawthorn; Whitethorn	1	
<i>Crataegus cuneata</i> Hawthorn	1	
<i>Cucumis sativus</i> Cucumber	2	
<i>Cucumis melo</i> Cantaloupe; Muskmelon; Melon; Netted Melon; Nutmeg Melon; Persian Melon	3	12.0
<i>Cucurbita pepo</i> Pumpkin	2	
<i>Cyamopsis tetragonoloba</i> Cluster-Bean; Siam-Bean; Guar	1	
<i>Cydonia oblonga</i> Quince	2	
<i>Cynara cardunculus</i> Artichoke	2	
<i>Datura stramonium</i> Jimsonweed	2	
<i>Daucus carota</i> Carrot	4	50.0
<i>Dictamnus albus</i> Dittany; Burning Bush; Gas Plant; Akgiritotu; Gazelotu	1	
<i>Digitalis purpurea</i> Purple Foxglove	2	
<i>Dioscorea alata</i> Winged Yam; Greater Yam	1	
<i>Dipsacus fullonum</i>	1	
<i>Dipteryx odorata</i> Dutch Tonka Bean; Tonka Bean	1	
<i>Duboisia myoporoides</i> Corkwood Tree; Pituri	1	
<i>Echinacea</i> spp Coneflower; Echinacea	2	
<i>Echinacea pallida</i> Echinacea; Pale Purple-Coneflower; Pale-Flower Echinacea	1	
<i>Echinacea angustifolia</i> Echinacea; Narrow Leaf Echinacea; Narrow Leaf Purple-Coneflower	1	
<i>Elaeagnus angustifolia</i> Russian Olive; Silver Berry	2	
<i>Eleutherococcus senticosus</i> Siberian Ginseng; Spiny Ginseng; Eleuthero Ginseng; Wu jia; Ci wu jia (Pinyin)	2	
<i>Equisetum hyemale</i> Scouring Rush; Horsetail	1	
<i>Equisetum arvense</i> Horsetail; Field Horsetail	3	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Erythroxylum coca</i> Coca	1	
<i>Eucalyptus globulus</i> Blue Gum; Tasmanian Bluegum; Eucalypt	2	
<i>Eucalyptus citriodora</i> Lemon Eucalyptus; Citron-Scented Gum; Lemon-Scented Gum; Spotted Gum	1	
<i>Eucommia ulmoides</i> Du Zhong; Tu Chung; Gutta-Percha Tree	1	
<i>Euphorbia lathyris</i> Caper Spurge; Mole Plant	1	
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	
<i>Euphrasia officinalis</i> Eyebright	1	
<i>Fagopyrum esculentum</i> Buckwheat	1	
<i>Ferula assa-foetida</i> Asafoetida; Stinkasant (Ger.); Devil's Dung; Assa-foetida; Asafetida; test; Asafetida (Sp.)	2	
<i>Ficus carica</i> Higuera Comun (Sp.); Echte Feige (Ger.); Figueira (Port.); Fig; Fico (Ital.); Figuier Commun (Fr.); Higo (Sp.); Feigenbaum (Ger.)	1	
<i>Foeniculum vulgare</i> Fennel	3	
<i>Fragaria</i> spp Strawberry	1	
<i>Fucus vesiculosus</i> Kelp; Bladderwrack	1	
<i>Gaultheria procumbens</i> Wintergreen; Wintergrun (Ger.); Checkerberry; Creeping Wintergreen; Mountain Tea; Teaberry	1	

Plant	# Chemicals	Total PPM
<i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree	1	
<i>Glechoma hederacea</i> Alehoof	2	
<i>Glycine max</i> Soybean	4	335.7999999999995
<i>Glycyrrhiza glabra</i> Smooth Licorice; Commom Licorice; Licorice-Root; Licorice	1	
<i>Harpagophytum procumbens</i> Devil's Claw; Grapple Plant	1	
<i>Hedera helix</i> Ivy	1	
<i>Helianthus annuus</i> Sunflower; Girasol	2	56006.0
<i>Hierochloe odorata</i> Manna Grass; Holy Grass; Sweet Grass; Vanilla Grass; Vanilla-Scented Grass; Seneca Grass	1	
<i>Hordeum vulgare</i> Barley; Barleygrass	3	18.0
<i>Houttuynia cordata</i> Dokudami; Yu Xing Cao; Fishwort	1	
<i>Humulus lupulus</i> Hops	2	
<i>Huperzia</i> spp Cutleaf Clubmoss	1	
<i>Hura crepitans</i> Sandbox Tree	1	
<i>Hydrastis canadensis</i> Goldenseal	1	
<i>Hyoscyamus niger</i> Henbane	1	
<i>Hypericum perforatum</i> Hypericum; Klamath Weed; St. John's-wort; Common St. Johnswort; Goatweed	3	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Ilex paraguariensis</i> South American Holly; Mate; Paraguay Tea	3	38000.0
<i>Ipomoea batatas</i> Sweet Potato	1	
<i>Iris x germanica</i> Orris	1	
<i>Juglans regia</i> English Walnut	2	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Juniper; Common Juniper	2	
<i>Kalanchoe pinnata</i> Siempre Viva; Air Plant	1	
<i>Lachnanthes tinctoria</i> Redroot	1	
<i>Lactuca sativa</i> Lettuce	1	
<i>Lens culinaris</i> Lentil	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Ligustri Fructus; Japanese Privet	1	
<i>Linum usitatissimum</i> Flax; Linseed	2	
<i>Lonicera japonica</i> Japanese Honeysuckle	1	
<i>Lupinus albus</i> White Lupine	1	
<i>Lycopersicon esculentum</i> Tomato	4	179.0
<i>Lycopodium selago</i> Clubmoss	1	
<i>Lycopodium clavatum</i> Clubmoss; Antler Herb	1	
<i>Lycopus virginicus</i> Bugle	1	
<i>Lycopus europeus</i> European Bugle	2	
<i>Lythrum salicaria</i> Purple Loosestrife	1	
<i>Mahonia repens</i> Oregon Barberry; Creeping Barberry; Oregon Grape; Oregon Grape-Holly	1	
<i>Malus domestica</i> Apple	3	192.0
<i>Maranta arundinacea</i> Bermuda Arrowroot; Arrowroot	1	
<i>Marrubium vulgare</i> Horehound; White Horehound	1	

Plant	# Chemicals	Total PPM
<i>Matricaria recutita</i> Annual Camomile; German Camomile; Wild Camomile	1	
<i>Medicago sativa</i> Lucerne; Alfalfa	3	
<i>Melia azedarach</i> Chinaberry	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	
<i>Melissa officinalis</i> Balm; Bee Balm; Lemonbalm; Melissa	1	
<i>Mentha x rotundifolia</i> Applemint	1	
<i>Mentha x piperita</i> Peppermint	2	
<i>Menyanthes trifoliata</i> Buckbean; Bog Myrtle; Marsh Trefoil; Marsh Clover; Bogbean; Water Trefoil	2	
<i>Mirabilis jalapa</i> Four-o'clock	1	
<i>Morus alba</i> Sang-Pai-Pi; White Mulberry	2	
<i>Musa x paradisiaca</i> Banana; Plantain	2	206.72
<i>Myroxylon balsamum</i> Peru Balsam; Tolu Balsam	1	
<i>Nelumbo nucifera</i> Water Lotus	1	
<i>Nicotiana tabacum</i> Tobacco	3	
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Ononis spinosa</i> Hauhechel (Ger.); Spiny Restharrow; Restharrow	1	
<i>Opopanax chironium</i> Opopanax; Hercules All Heal	1	
<i>Origanum vulgare</i> European Oregano; Wild Marjoram; Pot Marjoram; Wild Oregano; Common Turkish Oregano; Oregano	1	
<i>Origanum majorana</i> Sweet Marjoram; Marjoram	1	
<i>Oryza sativa</i> Rice	2	
<i>Panax quinquefolius</i> American Ginseng; Ginseng	1	
<i>Panax ginseng</i> Oriental Ginseng; Korean Ginseng; Ginseng; Chinese Ginseng	2	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Persea americana</i> Avocado	2	2.0
<i>Petroselinum crispum</i> Parsley	2	
<i>Peucedanum ostruthium</i> Masterwort	1	
<i>Phaseolus vulgaris</i> Popping Bean; Wax Bean; Haricot Vert; Black Bean; Navy Bean; Kidney Bean; Haricot; Field Bean; Snap Bean; Green Bean; Flageolet Bean; Haricot Bean; String Bean; French Bean; Pop Bean; Garden Bean; Dwarf Bean	2	
<i>Phoenix dactylifera</i> Date Palm	2	820.0
<i>Physalis peruviana</i> Ground Cherry; Cape Gooseberry	1	
<i>Pimpinella anisum</i> Sweet Cumin; Anise	1	
<i>Pinus sylvestris</i> Scotch Pine	3	
<i>Pisum sativum</i> Pea	3	1526.0
<i>Plantago major</i> Common Plantain	2	
<i>Pluchea carolinensis</i> Santa maria; Pito sico	1	
<i>Polygala senega</i> Seneca Snakeroot; Senega	1	
<i>Portulaca oleracea</i> Purslane; Verdolaga	2	
<i>Prunus spinosa</i> Sloe; Blackthorn	1	
<i>Prunus persica</i> Peach	2	
<i>Prunus dulcis</i> Almond	1	
<i>Prunus domestica</i> Plum	2	
<i>Prunus cerasus</i> Sour Cherry	2	

Plant	# Chemicals	Total PPM
<i>Prunus armeniaca</i> Apricot	1	
<i>Pteridium aquilinum</i> Bracken; Bracken Fern	1	
<i>Punica granatum</i> Granatapfelstrauch (Ger.); Zakuro (Jap.); Mangrano (Sp.); Granatapfelbaum (Ger.); Granado (Sp.); Pomegranate; Grenadier (Fr.); Romanzeiro (Port.)	2	
<i>Quisqualis indica</i> Rangoon Creeper	1	
<i>Raphanus sativus</i> Radish	2	32.0
<i>Rheum rhabarbarum</i> Rhubarb	1	16.0
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Rhizophora mangle</i> Red Mangrove	1	4460.0
<i>Rhododendron ponticum</i> Pontic Alpenrose	1	
<i>Rhodymenia palmata</i> Dulse	1	
<i>Ribes uva-crispa</i> Gooseberry	2	
<i>Ribes nigrum</i> Black Currant	2	
<i>Ricinus communis</i> Castorbean	2	
<i>Rosa damascena</i> Damask Rose	1	30000.0
<i>Rosa canina</i> Dog Rose; Rose; Dogbrier	1	
<i>Rosmarinus officinalis</i> Rosemary	1	
<i>Rubus phoenicolasius</i> Wine Raspberry; Japanese Wineberry; Wineberry	1	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	2	1.2
<i>Rubus fruticosus</i> Blackberry	2	
<i>Salvia</i> sp. Chia	1	
<i>Salvia officinalis</i> Sage	2	
<i>Sambucus simpsonii</i> Simpson's elderberry	1	
<i>Sambucus nigra</i> European Alder; European Elder; Black Elder; European Elderberry; Elder	2	
<i>Satureja montana</i> Savory; Winter Savory	1	
<i>Scopolia carniolica</i> Scopolia	1	
<i>Senna obtusifolia</i> Sicklepod	1	
<i>Serenoa repens</i> Scrub-Palmetto; Saw Palmetto	1	
<i>Sesamum indicum</i> Ajonjoli (Sp.); Sesame; Benneseed; Beni; Sesamo (Sp.)	2	
<i>Solanum tuberosum</i> Potato	4	4274.0
<i>Solanum torvum</i> Susumba; Wild Eggplant	1	
<i>Solanum melongena</i> Aubergine; Eggplant	3	
<i>Solidago virgaurea</i> European Goldenrod; Woundwort	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spinacia oleracea</i> Spinach	4	32.0
<i>Stachys officinalis</i> Purple Betony; Wood Betony; Bishop's-Wort; Betony	1	
<i>Stachytarpheta jamaicensis</i> Brazilian Tea	1	
<i>Stellaria media</i> Chickweed; Common Chickweed	2	
<i>Strophanthus kombe</i> Kombe Arrow Poison	1	
<i>Strophanthus hispidus</i> Hispid Ouabain	1	

Plant	# Chemicals	Total PPM
<i>Strophanthus gratus</i> Ouabain	1	
<i>Strychnos nux-vomica</i> Nux-Vomica; Strychnine	1	
<i>Symphytum officinale</i> Comfrey	1	
<i>Tagetes erecta</i> Marigold; Aztec Marigold	1	
<i>Tanacetum vulgare</i> Tansy	1	
<i>Taraxacum officinale</i> Dandelion	2	
<i>Taxus baccata</i> Common Yew	1	
<i>Tecoma stans</i> Yellow Elder	1	
<i>Teucrium scordium</i> Water Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	1	400.0
<i>Theobroma cacao</i> Cacao	3	
<i>Thymus vulgaris</i> Garden Thyme; Thyme; Common Thyme	2	
<i>Tilia</i> sp. Linden; Basswood; Lime	1	
<i>Trifolium pratense</i> Red Clover; Peavine Clover; Cowgrass; Purple Clover	1	
<i>Trigonella foenum-graecum</i> Fenugreek; Greek Hay; Alholva (Sp.); Bockshornklee (Ger.); Greek Clover	1	5300.0
<i>Triticum aestivum</i> Wheat	3	74.0
<i>Tropaeolum majus</i> Nasturtium	1	
<i>Turnera diffusa</i> Damiana	1	160000.0
<i>Ulex europaeus</i> Gorse	1	
<i>Uncaria tomentosa</i> Cat's Claw; Garabato Amarillo; Una de Gato	1	
<i>Uncaria guianensis</i> Cat's Claw; Una de Gato; Garabato Colorado; Tambor Huasca; Ungunagi	1	
<i>Urtica dioica</i> Stinging Nettle; European Nettle	2	
<i>Vaccinium myrtillus</i> Dwarf Bilberry; Whortleberry; Bilberry	2	
<i>Vaccinium macrocarpon</i> Large Cranberry; American Cranberry; Cranberry	3	
<i>Vaccinium corymbosum</i> Blueberry	3	6000.0
<i>Valeriana officinalis</i> Common Valerian; Garden-Heliotrope; Valerian	1	
<i>Vanilla planifolia</i> Bourbon Vanilla; Vanilla	1	
<i>Viburnum prunifolium</i> Black Haw	1	
<i>Viburnum opulus</i> Snowballbush; Crampbark; Guelder Rose; European Cranberry Bush	1	
<i>Vicia faba</i> Faba Bean; Habas; Broadbean	1	
<i>Viola odorata</i> Sweet Violet; Common Violet	1	
<i>Viscum album</i> European Mistletoe	1	
<i>Vitis vinifera</i> Grapevine; Weinrebe (Ger.); European Grape; Vigne Vinifere (Fr.); Vid (Sp.); Wine Grape; Grape; Parra (Sp.)	3	
<i>Withania somnifera</i> Ashwagandha	1	
<i>Zea mays</i> Corn	4	67.0
<i>Zingiber officinale</i> Ginger	2	