

# A Co-carcinogenic

\*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
Acacia nilotica Babul	1	
Achillea millefolium Yarrow; Milfoil	2	
Aconitum napellus Aconite; Garden Wolfsbane; Soldier's Cap; Turk's Cap; European Aconite; Bear's-Foot; Blue Rocket; Friar's Cap; Garden Monkshood; Helmet Flower; Queen's Fettle; Monkshood	1	
Actaea dahurica Sheng ma; Xing an sheng ma	1	
Actaea cimicifuga Sheng ma; Bugbane; Foetid Bugbane	1	
Adonis vernalis Spring Adonis	1	
Agrimonia eupatoria Sticklewort; Agrimony	1	
Albizia lebeck Women's-Tongue Tree; East Indian Walnut; Frywood; Siris Tree; Koko; Lebbek; Lebbek Tree	1	
Allium schoenoprasum Chives	1	
Allium sativum var. sativum Garlic	1	40.0
Allium cepa Onion; Shallot	2	
Allium ampeloprasum Kurrat; Elephant Garlic	1	
Althaea officinalis Marshmallow; White Mallow	1	
Anadenanthera peregrina Niopo; Cohoba	1	
Ananas comosus Pineapple	1	
Anethum graveolens Garden Dill; Dill	1	
Angelica archangelica Angelica; Wild Parsnip; Garden Angelica	1	
Annona muricata Soursop	1	
Apium graveolens Celery	1	
Arachis hypogaea Groundnut; Peanut	1	22.0
Arbutus unedo Strawberry Tree; Arbutus	1	
Arctium lappa Great Burdock; Gobo; Burdock	1	5000.0
Arctostaphylos uva-ursi Bearberry; Uva Ursi	2	
Armoracia rusticana Horseradish	1	
Arnica montana Mountain Tobacco; Leopard's-Bane	1	
Artemisia dracunculus Tarragon	1	
Artemisia capillaris Capillary Wormwood	1	
Artemisia abrotanum Southernwood	1	
Asimina triloba Pawpaw	1	
Aspalathus linearis Rooibos; Red Bush Tea; Kaffree Tea	1	
Astragalus membranaceus Huang Qi; Huang-Chi	1	
Avena sativa Oats	1	
Ballota nigra Black Horehound	1	
Berberis vulgaris Barberry	1	
Beta vulgaris Beetroot; Sugar Beet; Garden Beet; Beet	1	
Brassica pekinensis Chinese Cabbage	1	22.0
Brassica oleracea var. italica Winter Broccoli; Sprouting Broccoli; Calabrese; Cape Broccoli; Broccoli; Heading Broccoli; Asparagus Broccoli; Purple Cauliflower	1	
Brassica oleracea var. gemmifera Brussel-Sprout; Brussels-Sprouts	1	68.0

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<i>Brassica oleracea</i> var. <i>capitata</i> I. White Cabbage; Red Cabbage; Cabbage	1	154.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	16.0
<i>Brassica nigra</i> Black Mustard	1	
<i>Calendula officinalis</i> Calendula; Pot-Marigold	1	
<i>Camellia sinensis</i> Tea	1	
<i>Capsicum frutescens</i> Cayenne; Tabasco; Spur Pepper; Red Chili; Chili; Hot Pepper	1	64.0
<i>Capsicum annuum</i> Bell Pepper; Cone Pepper; Sweet Pepper; Paprika; Green Pepper; Cherry Pepper	1	22.0
<i>Carica papaya</i> Papaya	1	
<i>Carum carvi</i> Caraway; Comino (Sp.); Carum; Kummel (Ger.); Comino de prado (Sp.)	1	
<i>Castanea sativa</i> European Chestnut	1	
<i>Catalpa bignonioides</i> Indian bean	1	
<i>Ceiba pentandra</i> Silk-Cotton Tree; Kapok	1	
<i>Centaurea cyanus</i> Cornflower; Bachelor's Button	1	
<i>Centaurium erythraea</i> Centaury	1	
<i>Chamaemelum nobile</i> Garden Camomile; Roman Camomile; Perennial Camomile	1	
<i>Cichorium intybus</i> Succory; Chicory; Witloof	2	1534.0
<i>Cichorium endivia</i> Endive; Escarole	1	
<i>Cimicifuga dahurica</i> Sheng Ma	1	
<i>Cinchona</i> spp Quinine	1	
<i>Cinchona pubescens</i> Red Cinchona; Red Peruvian-Bark; Redbark; Quinine	1	
<i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon	1	
<i>Cinnamomum camphora</i> Ho Leaf; Camphor	1	
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrullus colocynthis</i> Colocynth	1	
<i>Citrus sinensis</i> Orange	1	100.0
<i>Citrus paradisi</i> Grapefruit	2	102.0
<i>Citrus limon</i> Lemon	1	70.0
<i>Clematis vitalba</i> Traveler's Joy	1	
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Coccinia grandis</i> Pepasan; Little Gourd; Kundree; Tindora; Tindori; Kanduri; Ivy Gourd	1	
<i>Coffea arabica</i> Coffee	1	
<i>Cola acuminata</i> Abata Cola	1	
<i>Coleus barbatus</i> Forskohl's Coleus	1	
<i>Conium maculatum</i> Carrot Fern; Spotted Parsley; Spotted Hemlock; Fool's Parsley; Hemlock; Poison Hemlock	1	
<i>Convallaria majalis</i> Lily-Of-The-Valley	1	
<i>Conyza canadensis</i> Butterweed; Horseweed; Hogweed	1	
<i>Coriandrum sativum</i> Cilantro; Chinese Parsley; Coriander	1	
<i>Corylus americana</i> American Hazel; American Filbert	1	
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus monogyna</i> English Hawthorn; Hawthorn	1	
<i>Crataegus laevigata</i> English Hawthorn; Hawthorn; Whitethorn; Woodland Hawthorn	1	
<i>Croton tiglium</i> Purging Croton	1	

Plant	# Chemicals	Total PPM
<i>Cucumis sativus</i> Cucumber	1	
<i>Cucumis melo</i> Nutmeg Melon; Muskmelon; Netted Melon; Persian Melon; Melon; Cantaloupe	1	
<i>Cucurbita pepo</i> Pumpkin	1	
<i>Curcuma longa</i> Turmeric; Indian Saffron	1	10.0
<i>Cyamopsis tetragonoloba</i> Cluster-Bean; Siam-Bean; Guar	1	
<i>Cynara cardunculus</i> Artichoke	1	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Daucus carota</i> Carrot	1	
<i>Digitalis purpurea</i> Purple Foxglove	1	
<i>Dipsacus fullonum</i>	1	
<i>Dodonaea viscosa</i> Hopwood	1	
<i>Echinacea</i> spp Coneflower; Echinacea	1	
<i>Elaeagnus angustifolia</i> Silver Berry; Russian Olive	1	
<i>Elettaria cardamomum</i> Cardamom	1	
<i>Eleutherococcus senticosus</i> Siberian Ginseng; Wu jia; Ci wu jia (Pinyin); Eleuthero Ginseng; Spiny Ginseng	1	
<i>Equisetum hyemale</i> Scouring Rush; Horsetail	1	
<i>Equisetum arvense</i> Field Horsetail; Horsetail	1	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Erythroxylum coca</i> Coca	1	
<i>Eucalyptus globulus</i> Eucalypt; Tasmanian Bluegum; Blue Gum	1	
<i>Euphorbia pulcherrima</i> Poinsettia	1	
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	
<i>Euphrasia officinalis</i> Eyebright	1	
<i>Fagopyrum esculentum</i> Buckwheat	1	
<i>Ficus carica</i> Fig; Higuera Comun (Sp.); Feigenbaum (Ger.); Fico (Ital.); Higo (Sp.); Figuier Commun (Fr.); Echte Feige (Ger.); Figueira (Port.)	1	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Fragaria</i> spp Strawberry	2	68.0
<i>Gaultheria procumbens</i> Wintergreen; Creeping Wintergreen; Mountain Tea; Wintergrun (Ger.); Checkerberry; Teaberry	1	
<i>Gentiana lutea</i> Gentian; Yellow Gentian	1	
<i>Glechoma hederacea</i> Alehoof	1	
<i>Glycine max</i> Soybean	1	8.0
<i>Harpagophytum procumbens</i> Grapple Plant; Devil's Claw	1	
<i>Helianthus annuus</i> Girasol; Sunflower	1	3608.0
<i>Helichrysum angustifolium</i> Immortelle; Everlasting	1	
<i>Hordeum vulgare</i> Barley; Barleygrass	1	
<i>Humulus lupulus</i> Hops	1	
<i>Hura crepitans</i> Sandbox Tree	1	
<i>Hyacinthus orientalis</i> Hyacinth	1	
<i>Hypericum perforatum</i> St. John's-wort; Common St. Johnswort; Goatweed; Klamath Weed; Hypericum	1	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Illicium verum</i> anis de China (Sp.); Sternanis (Ger.); Star Anise; Chinese Star Anise; Chinesischer Sternanis (Ger.); anis estrellado (Sp.)	1	

Plant	# Chemicals	Total PPM
<i>Inonotus obliquus</i>	1	
<i>Ipomoea purga</i> Jalap	1	80000.0
<i>Ipomoea batatas</i> Sweet Potato	1	
<i>Juglans regia</i> English Walnut	1	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Common Juniper; Juniper	1	
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	
<i>Lactuca sativa</i> Lettuce	1	
<i>Laurus nobilis</i> Laurel; Bayleaf; Bay Laurel; Sweet Bay; Bay; Grecian Laurel	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Japanese Privet; Ligustri Fructus	1	
<i>Lycopersicon esculentum</i> Tomato	1	12.0
<i>Lycopodium clavatum</i> Antler Herb; Clubmoss	1	
<i>Lycopus virginicus</i> Bugle	1	
<i>Lycopus europeus</i> European Bugle	1	
<i>Magnolia officinalis</i> Magnolia-Bark; Hou Pu; Chinese Magnolia	1	
<i>Magnolia kobus</i> Xin-Yi; Hsin-I	1	
<i>Malus domestica</i> Apple	1	2540.0
<i>Marrubium vulgare</i> White Horehound; Horehound	1	
<i>Matricaria recutita</i> Annual Camomile; Wild Camomile; German Camomile	1	
<i>Medicago sativa</i> Alfalfa; Lucerne	1	
<i>Melia azedarach</i> Chinaberry	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	
<i>Melissa officinalis</i> Bee Balm; Balm; Melissa; Lemonbalm	1	
<i>Mentha x rotundifolia</i> Applemint	1	
<i>Mentha x piperita</i> Peppermint	1	
<i>Menyanthes trifoliata</i> Bog Myrtle; Marsh Clover; Marsh Trefoil; Bogbean; Water Trefoil; Buckbean	1	
<i>Moringa oleifera</i> Horseradish Tree; Drumstick Tree; West Indian Ben; Jacinto (Sp.); Ben Nut; Benzolive Tree; Moringa	1	
<i>Morus alba</i> White Mulberry; Sang-Pai-Pi	1	
<i>Myristica fragrans</i> nogal moscado (Sp.); Muskatnussbaum (Ger.); Mace; Nutmeg; nuez moscada (Sp.)	1	
<i>Nicotiana tabacum</i> Tobacco	2	
<i>Ocimum basilicum</i> Basil; Sweet Basil; Cuban Basil	1	38100.0
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Olea europaea</i> Olive	2	
<i>Origanum vulgare</i> Oregano; European Oregano; Wild Marjoram; Wild Oregano; Common Turkish Oregano; Pot Marjoram	2	14120.0
<i>Origanum majorana</i> Sweet Marjoram; Marjoram	2	
<i>Panax ginseng</i> Oriental Ginseng; Chinese Ginseng; Korean Ginseng; Ginseng	1	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Paullinia cupana</i> Guarana	1	
<i>Perilla frutescens</i> Perilla	1	
<i>Persea americana</i> Avocado	2	
<i>Petroselinum crispum</i> Parsley	1	

Plant	# Chemicals	Total PPM
<i>Peucedanum ostruthium</i> Masterwort	1	
<i>Phaseolus vulgaris</i> Dwarf Bean; Popping Bean; Haricot; Wax Bean; String Bean; Garden Bean; Field Bean; Haricot Vert; Haricot Bean; Pop Bean; Snap Bean; Kidney Bean; Navy Bean; Green Bean; Black Bean; Flageolet Bean; French Bean	1	
<i>Pimpinella anisum</i> Anise; Sweet Cumin	2	
<i>Pinus sylvestris</i> Scotch Pine	1	
<i>Piper nigrum</i> Black Pepper; Pepper; White Pepper	1	
<i>Pisum sativum</i> Pea	1	
<i>Plantago major</i> Common Plantain	1	
<i>Polypodium vulgare</i> Common Polypody; Sweet Fern	1	
<i>Portulaca oleracea</i> Verdolaga; Purslane	2	
<i>Prunus spinosa</i> Blackthorn; Sloe	1	
<i>Prunus serotina</i> Black Cherry; Wild Cherry	1	
<i>Prunus persica</i> Peach	1	
<i>Prunus laurocerasus</i> Cherry Laurel	1	
<i>Prunus dulcis</i> Almond	1	
<i>Prunus domestica</i> Plum	1	
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Prunus armeniaca</i> Apricot	1	
<i>Pteridium aquilinum</i> Bracken Fern; Bracken	1	
<i>Pterocarpus marsupium</i> bijasal; Malabar Kino; Indian Kino	1	
<i>Punica granatum</i> Granado (Sp.); Romanzeiro (Port.); Granatapfelbaum (Ger.); Grenadier (Fr.); Granatapfelstrauch (Ger.); Mangrano (Sp.); Zakuro (Jap.); Pomegranate	1	
<i>Pyrus communis</i> Pear	2	39400.0
<i>Raphanus sativus</i> Radish	1	182.0
<i>Rheum rhabarbarum</i> Rhubarb	1	16.0
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Rhododendron ponticum</i> Pontic Alpenrose	1	
<i>Rhododendron dauricum</i> Chinese Alpenrose	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Rosa canina</i> Dogbrier; Dog Rose; Rose	1	
<i>Rosmarinus officinalis</i> Rosemary	1	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	1	
<i>Rubus fruticosus</i> Blackberry	1	
<i>Salvia</i> sp. Chia	1	
<i>Salvia officinalis</i> Sage	1	
<i>Sambucus simpsonii</i> Simpson's elderberry	1	
<i>Sambucus nigra</i> European Alder; European Elderberry; Black Elder; Elder; European Elder	1	
<i>Sanguisorba minor</i> Small Burnet	1	
<i>Santolina chamaecyparissus</i> Lavender Cotton	1	
<i>Satureja montana</i> Winter Savory; Savory	1	
<i>Scopolia carniolica</i> Scopolia	1	
<i>Senna obtusifolia</i> Sicklepod	1	
<i>Sesamum indicum</i> Beni; Ajonjoli (Sp.); Sesamo (Sp.); Sesame; Benneseed	1	

Plant	# Chemicals	Total PPM
<i>Solanum tuberosum</i> Potato	1	1680.0
<i>Solanum torvum</i> Wild Eggplant; Susumba	1	
<i>Solanum melongena</i> Aubergine; Eggplant	1	
<i>Solidago virgaurea</i> Woundwort; European Goldenrod	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spartium junceum</i> Genet; Spanish Broom; Weaver's Broom	1	
<i>Spinacia oleracea</i> Spinach	1	
<i>Stachys officinalis</i> Purple Betony; Wood Betony; Betony; Bishop's-Wort	1	10000.0
<i>Stellaria media</i> Chickweed; Common Chickweed	1	
<i>Symphytum officinale</i> Comfrey	1	
<i>Tagetes patula</i> French Marigold	1	
<i>Tanacetum vulgare</i> Tansy	1	
<i>Taraxacum officinale</i> Dandelion	1	
<i>Taxus baccata</i> Common Yew	1	
<i>Tecoma stans</i> Yellow Elder	1	
<i>Teucrium scorodonia</i> Wood Germander; Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	1	
<i>Theobroma cacao</i> Cacao	2	
<i>Thymus vulgaris</i> Thyme; Garden Thyme; Common Thyme	1	33800.0
<i>Thymus serpyllum</i> Creeping Thyme	1	12400.0
<i>Tilia</i> sp. Basswood; Lime; Linden	1	
<i>Trifolium pratense</i> Red Clover; Purple Clover; Peavine Clover; Cowgrass	1	
<i>Triticum aestivum</i> Wheat	1	8.0
<i>Uncaria catechu</i> Pale Catechu; Gambir	1	
<i>Urtica dioica</i> Stinging Nettle; European Nettle	1	
<i>Vaccinium vitis-idaea</i> Cowberry; Lingen; Lingonberry	2	
<i>Vaccinium myrtillus</i> Dwarf Bilberry; Whortleberry; Bilberry	2	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Valeriana officinalis</i> Valerian; Common Valerian; Garden-Heliotrope	1	
<i>Vanilla planifolia</i> Vanilla; Bourbon Vanilla	1	
<i>Verbena officinalis</i> Vervain	1	20000.0
<i>Viburnum opulus</i> Crampbark; Guelder Rose; Snowballbush; European Cranberry Bush	1	
<i>Vicia faba</i> Broadbean; Faba Bean; Habas	1	
<i>Viscum album</i> European Mistletoe	1	
<i>Vitis vinifera</i> European Grape; Vigne Vinifere (Fr.); Grapevine; Parra (Sp.); Weinrebe (Ger.); Wine Grape; Vid (Sp.); Grape	1	
<i>Zea mays</i> Corn	1	1.4
<i>Zingiber officinale</i> Ginger	1	