

# A Anticapillary-Fragility

\*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 melanoxylon Blackwood	1	
Acacia farnesiana Popinac; Huisache; Sweet Acacia; Opopanax; Cassie	1	
Acacia decurrens Green Wattle	1	
Acacia catechu Catechu; Black Cutch	1	
Achillea millefolium Milfoil; Yarrow	1	
Acinos suaveolens	1	
Adiantum capillus-veneris Maidenhair Fern	1	
Aesculus hippocastanum Horse Chestnut	16	315300.0
Agathosma betulina Buchu; Honey Buchu; Mountain Buchu	3	69000.0
Agrimonia eupatoria Agrimony; Sticklewort	2	
Akebia quinata Chocolate Vine	1	
Alisma plantago-aquatica Water Plantain; Ze-Xie; Tse-Hsieh; Mud Plantain	1	
Allium sativum var. sativum Garlic	1	
Allium cepa Onion; Shallot	1	
Allium ampeloprasum Kurrat; Elephant Garlic	1	
Alnus glutinosa Black Alder	1	
Althaea officinalis White Mallow; Marshmallow	2	
Amaranthus spinosus Spiny pigweed	1	
Amaranthus sp. Pigweed	1	
Ammi visnaga Visnaga	1	
Anastatica hierochuntica Jericho Rose	1	
Anethum graveolens Dill; Garden Dill	4	
Apium graveolens Celery	1	340.0
Arachis hypogaea Groundnut; Peanut	2	
Araucaria bidwillii Monkey puzzle	1	
Arctostaphylos uva-ursi Bearberry; Uva Ursi	1	
Armoracia rusticana Horseradish	2	
Artemisia vulgaris Mugwort	3	
Artemisia dracunculus Tarragon	4	1120.0
Artemisia capillaris Capillary Wormwood	1	
Artemisia absinthium Wormwood	1	
Artemisia abrotanum Southernwood	1	
Aspalathus linearis Rooibos; Red Bush Tea; Kaffree Tea	1	
Asparagus officinalis Asparagus	1	
Atropa bella-donna Belladonna	1	
Azadirachta indica Neem	2	
Barosma betulina Buchu	2	69000.0
Berberis vulgaris Barberry	3	
Bidens pilosa	1	

Plant	# Chemicals	Total PPM
<i>Blighia sapida</i> Akee; Seso Vegetal	1	
<i>Brassica oleracea</i> var. <i>italica</i> Calabrese; Purple Cauliflower; Broccoli; Sprouting Broccoli; Cape Broccoli; Winter Broccoli; Heading Broccoli; Asparagus Broccoli	1	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussel-Sprout; Brussels-Sprouts	1	40.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	
<i>Brunfelsia uniflorus</i> Manaca	1	
<i>Caesalpinia pulcherrima</i> Bird Of Paradise	1	
<i>Calendula officinalis</i> Calendula; Pot-Marigold	1	
<i>Camellia sinensis</i> Tea	2	2780.0
<i>Capparis spinosa</i> Caper; Caperbush	1	
<i>Capsella bursa-pastoris</i> Shepherd's Purse	2	
<i>Capsicum frutescens</i> Tabasco; Chili; Spur Pepper; Cayenne; Hot Pepper; Red Chili	2	
<i>Capsicum annum</i> Cherry Pepper; Green Pepper; Sweet Pepper; Cone Pepper; Bell Pepper; Paprika	2	
<i>Carum carvi</i> Caraway; Comino (Sp.); Carum; Comino de prado (Sp.); Kummel (Ger.)	1	
<i>Caulophyllum thalictroides</i> Blue Cohosh	1	
<i>Centaurea cyanus</i> Cornflower; Bachelor's Button	2	
<i>Centaurea calcitrapa</i> Star-Thistle	1	
<i>Chamaemelum nobile</i> Roman Camomile; Garden Camomile; Perennial Camomile	1	
<i>Chimaphila umbellata</i> Pipsissewa; King's Cure	1	
<i>Cichorium intybus</i> Witloof; Succory; Chicory	6	
<i>Cinchona pubescens</i> Redbark; Red Cinchona; Quinine; Red Peruvian-Bark	1	
<i>Cinnamomum aromaticum</i> Zimtcassie (Ger.); Canela de la China (Sp.); Cassia; Chinese Cinnamon; Saigon Cinnamon; Cassia Bark; China Junk Cassia; Canelle de Cochinchine (Fr.); Cannelier de Chine (Fr.); Cannelier Casse (Fr.); Kashia-Keihi (Jap.); Chinese Cassia; Chinesischer Zimtbaum (Ger.); Canelero chino (Sp.); Cassia Lignea; Chinazimt (Ger.)	1	
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrus</i> spp Citrus	1	
<i>Citrus sinensis</i> Orange	3	157200.0
<i>Citrus reticulata</i> Mandarin; Tangerine	2	
<i>Citrus paradisi</i> Grapefruit	3	
<i>Citrus medica</i> Citron	1	
<i>Citrus limon</i> Lemon	3	137614.0
<i>Citrus aurantium</i> Petitgrain; Bitter Orange	2	5000.0
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Commiphora wightii</i> Guggul; Indian Bdellium-Tree	1	
<i>Conium maculatum</i> Fool's Parsley; Spotted Hemlock; Carrot Fern; Poison Hemlock; Spotted Parsley; Hemlock	1	80000.0
<i>Convallaria majalis</i> Lily-Of-The-Valley	1	
<i>Coriandrum sativum</i> Coriander; Cilantro; Chinese Parsley	1	
<i>Cornus mas</i> Cornelian Cherry; Sorbet	1	
<i>Crataegus rhipidophylla</i> Hawthorn	4	
<i>Crataegus pentagyna</i> Hawthorn	2	
<i>Crataegus monogyna</i> Hawthorn; English Hawthorn	3	
<i>Crataegus laevigata</i> Woodland Hawthorn; Hawthorn; Whitethorn; English Hawthorn	4	
<i>Cucumis melo</i> Melon; Cantaloupe; Persian Melon; Nutmeg Melon; Muskmelon; Netted Melon	1	

Plant	# Chemicals	Total PPM
<i>Cymbopogon citratus</i> Lemongrass; West Indian Lemongrass	1	
<i>Cynara cardunculus</i> Artichoke	2	
<i>Cytisus scoparius</i> Scotch Broom	2	
<i>Daphne mezereum</i> Spurge Laurel; Spurge Olive	1	
<i>Datura stramonium</i> Jimsonweed	2	
<i>Daucus carota</i> Carrot	1	
<i>Dictamnus albus</i> Burning Bush; Akgiritotu; Gas Plant; Gazelotu; Dittany	2	
<i>Dodonaea viscosa</i> Hopwood	2	
<i>Echinacea</i> spp Coneflower; Echinacea	2	
<i>Echinacea purpurea</i> Echinacea; Purple-Coneflower; Eastern Purple-Coneflower	2	
<i>Echinacea pallida</i> Echinacea; Pale-Flower Echinacea; Pale Purple-Coneflower	1	
<i>Echinacea angustifolia</i> Narrow Leaf Echinacea; Echinacea; Narrow Leaf Purple-Coneflower	1	
<i>Eriobotrya japonica</i> Loquat	2	
<i>Erythroxylum novogranatense</i> Coca	1	10000.0
<i>Erythroxylum coca</i> Coca	1	10000.0
<i>Eschscholzia californica</i> California Poppy	1	55000.0
<i>Eucalyptus rostratus</i> Gum	1	
<i>Eucalyptus macrorrhuncha</i>	1	
<i>Eucalyptus globulus</i> Tasmanian Bluegum; Blue Gum; Eucalypt	3	
<i>Eucalyptus citriodora</i> Spotted Gum; Lemon Eucalyptus; Lemon-Scented Gum; Citron-Scented Gum	1	
<i>Eupatorium perfoliatum</i> Boneset	2	
<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	2	468900.0
<i>Fallopia japonica</i> Japanese Knotweed; Mexican Bamboo; Giant Knotweed; Hu-Zhang	1	
<i>Ficus carica</i> Higo (Sp.); Echte Feige (Ger.); Feigenbaum (Ger.); Fig; Higuera Comun (Sp.); Figuier Commun (Fr.); Fico (Ital.); Figueira (Port.)	1	15300.0
<i>Filipendula ulmaria</i> Meadowsweet; Queen Of The Meadow	2	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Forsythia suspensa</i> Lien-Chiao; Lian-Jiao	1	2000.0
<i>Fraxinus rhynchophylla</i> Chinese Ash	2	
<i>Fraxinus ornus</i> Ash	2	
<i>Galega officinalis</i> Galega; Goat's Rue	1	
<i>Gaultheria fragrantissima</i> Indian Wintergreen	1	
<i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree	1	
<i>Glechoma hederacea</i> Alehoof	2	
<i>Glycine max</i> Soybean	1	
<i>Glycyrrhiza uralensis</i> Chinese Licorice; Gan-Cao; Kan-Tsao	1	
<i>Gossypium</i> sp Cotton	1	
<i>Grindelia squarrosa</i> Gumweed; Rosinweed	2	
<i>Hedeoma pulegioides</i> American Pennyroyal	1	20000.0

Plant	# Chemicals	Total PPM
<i>Hedera helix</i> Ivy	2	
<i>Hemidesmus indicus</i> Indian Sarsaparilla	2	
<i>Hordeum vulgare</i> Barley; Barleygrass	4	
<i>Houttuynia cordata</i> Fishwort; Dokudami; Yu Xing Cao	2	
<i>Humulus lupulus</i> Hops	2	4000.0
<i>Hydrangea paniculata</i> Peegee	1	82000.0
<i>Hydrangea arborescens</i> Smooth Hydrangea; Hydrangea	1	
<i>Hyoscyamus niger</i> Henbane	2	
<i>Hypericum perforatum</i> St. John's-wort; Klamath Weed; Common St. Johnswort; Hypericum; Goatweed	2	
<i>Hyssopus officinalis</i> Hyssop	2	
<i>Ilex paraguariensis</i> South American Holly; Mate; Paraguay Tea	1	
<i>Illicium verum</i> Chinesischer Sternanis (Ger.); Star Anise; anis estrellado (Sp.); anis de China (Sp.); Chinese Star Anise; Sternanis (Ger.)	1	
<i>Juglans regia</i> English Walnut	1	
<i>Juniperus communis</i> Juniper; Common Juniper	1	
<i>Laurus nobilis</i> Sweet Bay; Bay; Grecian Laurel; Bayleaf; Bay Laurel; Laurel	1	
<i>Lawsonia inermis</i> Mignonette; Jamaica-Mignonette; Mignonette Tree; Henna	2	
<i>Ledum palustre</i> Marsh Tea; Wild Rosemary	1	
<i>Lens culinaris</i> Lentil	1	
<i>Leonurus cardiaca</i> Motherwort	2	
<i>Ligustrum lucidum</i> Glossy Privet; Ligustri Fructus; Chinese Privet; White Waxtree; Privet	1	
<i>Lycium chinense</i> Wolfberry; Gou Qi (Chin.); Spina Santa Cinese (Ital.); Chinese Boxthorn; Daun Koki (Indones.); Lyciet de Chine (Fr.); Kuko (Jap.); Kaukichai (Malays.); Chinesischer Bocksdom (Ger.); Chinese Wolfberry; Chinese Matrimony Vine	1	
<i>Lycopersicon esculentum</i> Tomato	1	48000.0
<i>Maclura pomifera</i> Hedge Apple; Osage-Orange	1	
<i>Magnolia kobus</i> Hsin-I; Xin-Yi	1	1000.0
<i>Magnolia denudata</i> Hsin-I; Xin-Yi	1	
<i>Malus domestica</i> Apple	3	
<i>Matricaria recutita</i> Wild Camomile; Annual Camomile; German Camomile	2	
<i>Medicago sativa</i> Alfalfa; Lucerne	4	
<i>Melia azedarach</i> Chinaberry	2	
<i>Mentha x piperita</i> Peppermint	1	
<i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda	2	
<i>Mentha sp</i> Mint	1	
<i>Mentha pulegium</i> European Pennyroyal	2	
<i>Mentha longifolia</i> Biblical Mint	2	
<i>Mentha arvensis</i> var. <i>piperascens</i> Japanese Mint; Field Mint; Cornmint	1	
<i>Menyanthes trifoliata</i> Buckbean; Bogbean; Water Trefoil; Bog Myrtle; Marsh Trefoil; Marsh Clover	2	
<i>Mercurialis annua</i> Annual Mercury	1	
<i>Morinda citrifolia</i> Noni; Indian Mulberry	1	
<i>Morus alba</i> Sang-Pai-Pi; White Mulberry	1	120000.0
<i>Musa x paradisiaca</i> Plantain; Banana	1	
<i>Nasturtium officinale</i> Watercress; Berro	1	

Plant	# Chemicals	Total PPM
<i>Nelumbo nucifera</i> Water Lotus	2	
<i>Nerium oleander</i> Oleander	1	
<i>Nicotiana tabacum</i> Tobacco	3	20000.0
<i>Nicotiana glauca</i> Tree Tobacco	1	42000.0
<i>Nigella sativa</i> Nutmeg-Flower; Black Cumin; Fennel-Flower; Roman Coriander; Black Caraway	2	
<i>Ocimum basilicum</i> Basil; Cuban Basil; Sweet Basil	6	
<i>Olea europaea</i> Olive	5	
<i>Ononis spinosa</i> Restharrow; Spiny Restharrow; Hauhechel (Ger.)	2	
<i>Ophiopogon japonicus</i> Mai-Men-Dong; Mai-Men-Tung	1	
<i>Opuntia ficus-indica</i> Indian Fig; Prickly Pear; Nopalito; Nopal	1	
<i>Origanum vulgare</i> Oregano; Pot Marjoram; Wild Marjoram; Wild Oregano; Common Turkish Oregano; European Oregano	1	
<i>Origanum majorana</i> Sweet Marjoram; Marjoram	1	
<i>Paeonia lactiflora</i> Peony; Bai Shao (Chinese); Common Garden Peony; Chih-Shao; White Peony	1	
<i>Panax quinquefolius</i> Ginseng; American Ginseng	1	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Passiflora incarnata</i> Passionflower; Manzana de Mayo; Mayapple	1	
<i>Pastinaca sativa</i> Parsnip	1	
<i>Petroselinum crispum</i> Parsley	1	60000.0
<i>Peucedanum ostruthium</i> Masterwort	1	
<i>Phaseolus vulgaris</i> Black Bean; Kidney Bean; Pop Bean; Popping Bean; Haricot Vert; Navy Bean; French Bean; Flageolet Bean; Wax Bean; Haricot Bean; Garden Bean; Dwarf Bean; Snap Bean; Haricot; Green Bean; String Bean; Field Bean	3	
<i>Phaseolus aborigineus</i>	1	
<i>Phoenix dactylifera</i> Date Palm	1	
<i>Phyllanthus niruri</i> Seed On The Leaf	2	
<i>Phyllanthus emblica</i> Myrobalan; Emblic	1	
<i>Phyllanthus amarus</i>	1	
<i>Physalis peruviana</i> Ground Cherry; Cape Gooseberry	1	
<i>Pimpinella anisum</i> Sweet Cumin; Anise	1	
<i>Piper nigrum</i> Black Pepper; Pepper; White Pepper	2	
<i>Plumeria acutifolia</i> Frangipani	1	
<i>Podophyllum pleianthum</i> Chinese Mayapple	1	
<i>Polygonum multiflorum</i> Fleeceflower; Chinese Knotweed; Chinese Cornbind; Fo Ti; He Shou Wu	1	
<i>Polygonum hydropiper</i> Common Smartweed	1	60000.0
<i>Polygonum aviculare</i> Prostrate Knotweed	1	
<i>Prunella vulgaris</i> Self-Heal; Heal-All	4	
<i>Prunus spinosa</i> Sloe; Blackthorn	2	
<i>Prunus cerasus</i> Sour Cherry	2	
<i>Prunus armeniaca</i> Apricot	2	35400.0
<i>Psidium guajava</i> Guava	1	
<i>Pteridium aquilinum</i> Bracken Fern; Bracken	1	
<i>Pueraria pseudohirsuta</i> Chinese Kudzu	1	
<i>Pueraria montana</i> Kudzu; Kudzu	2	
<i>Pulsatilla chinensis</i> Chinese Anemone	1	

Plant	# Chemicals	Total PPM
<i>Punica granatum</i> Mangrano (Sp.); Grenadier (Fr.); Granatapfelbaum (Ger.); Romanzeiro (Port.); Pomegranate; Zakuro (Jap.); Granado (Sp.); Granatapfelstrauch (Ger.)	1	
<i>Rheum rhabarbarum</i> Rhubarb	1	12000.0
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Rhododendron dauricum</i> Chinese Alpenrose	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Ricinus communis</i> Castorbean	2	4000.0
<i>Rosa multiflora</i> Multiflora Rose	1	
<i>Rosa canina</i> Dog Rose; Dogbrier; Rose	1	
<i>Rosmarinus officinalis</i> Rosemary	2	
<i>Rubus idaeus</i> Red Raspberry; Raspberry	1	
<i>Rumex crispus</i> Yellow Dock; Lengua De Vaca; Curly Dock; Sour Dock	2	
<i>Rumex acetosella</i> Sheep Sorrel	1	10600.0
<i>Rumex acetosa</i> Garden Sorrel	2	26600.0
<i>Ruscus aculeatus</i> Box-Holly; Butcher's Broom	3	800.0
<i>Ruta graveolens</i> Rue	1	40000.0
<i>Salix alba</i> White Willow	1	
<i>Sambucus simpsonii</i> Simpson's elderberry	1	
<i>Sambucus nigra</i> Black Elder; Elder; European Elderberry; European Alder; European Elder	2	18400.0
<i>Sambucus canadensis</i> American Elderberry; American Elder; Elderberry; Sweet Elder	1	73000.0
<i>Sansevieria trifasciata</i> Snake Plant; African Bowstring Hemp	1	
<i>Sarracenia rubra</i>	1	
<i>Sarracenia purpurea</i>	1	
<i>Sarracenia psittacina</i>	1	
<i>Sarracenia oreophila</i>	1	
<i>Sarracenia minor</i>	1	
<i>Sarracenia leucophylla</i>	1	
<i>Sarracenia flava</i>	1	
<i>Sarracenia alata</i>	1	
<i>Scopolia carniolica</i> Scopolia	3	
<i>Selenicereus grandiflorus</i> Queen-of-the-Night; Night-Blooming Cereus	2	
<i>Serenoa repens</i> Saw Palmetto; Scrub-Palmetto	1	
<i>Smilax china</i> China Root	1	
<i>Solanum tuberosum</i> Potato	1	
<i>Solidago virgaurea</i> European Goldenrod; Woundwort	1	
<i>Solidago gigantea</i> Early Goldenrod	2	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	868000.0
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spinacia oleracea</i> Spinach	2	340.0
<i>Stellaria media</i> Common Chickweed; Chickweed	1	
<i>Stevia rebaudiana</i> Stevia; Sweet Leaf of Paraguay; Ca-A-E	1	
<i>Syringa vulgaris</i> Lilac	1	
<i>Syzygium aromaticum</i> Clovetree; Clove	1	

Plant	# Chemicals	Total PPM
<i>Tagetes patula</i> French Marigold	1	
<i>Taraxacum officinale</i> Dandelion	1	
<i>Tephrosia purpurea</i> Purple Tephrosia; Wild Indigo	1	
<i>Terminalia chebula</i> Ink Nut; Myrobalan; Chebulic Myrobalan; Black Myrobalan	1	
<i>Teucrium scorodonia</i> Germander; Wood Germander	1	
<i>Teucrium scordium</i> Water Germander	1	
<i>Teucrium polium</i> Golden Germander	1	
<i>Teucrium montanum</i> Mountain Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	1	
<i>Teucrium botrys</i> Field Germander	1	
<i>Theobroma cacao</i> Cacao	3	
<i>Tilia</i> sp. Basswood; Lime; Linden	1	
<i>Tribulus terrestris</i> Puncture-vine	2	
<i>Trifolium pratense</i> Peavine Clover; Red Clover; Purple Clover; Cowgrass	1	
<i>Trigonella foenum-graecum</i> Greek Clover; Fenugreek; Greek Hay; Alholva (Sp.); Bockshornklee (Ger.)	1	
<i>Tussilago farfara</i> Coltsfoot	2	12800.0
<i>Uncaria tomentosa</i> Una de Gato; Garabato Amarillo; Cat's Claw	1	
<i>Uncaria guianensis</i> Tambor Huasca; Ungunagi; Una de Gato; Garabato Colorado; Cat's Claw	1	
<i>Urtica dioica</i> European Nettle; Stinging Nettle	2	
<i>Vaccinium vitis-idaea</i> Lingen; Lingonberry; Cowberry	1	
<i>Vaccinium myrtillus</i> Bilberry; Whortleberry; Dwarf Bilberry	2	
<i>Vaccinium macrocarpon</i> Large Cranberry; American Cranberry; Cranberry	1	
<i>Vaccinium corymbosum</i> Blueberry	3	
<i>Verbascum thapsus</i> Mullein; Flannelleaf; Velvetplant; Flannelplant; Great Mullein	1	
<i>Viburnum prunifolium</i> Black Haw	2	
<i>Viburnum opulus</i> Guelder Rose; Crampbark; Snowballbush; European Cranberry Bush	2	
<i>Vigna radiata</i> Green Gram; Mungbean	1	
<i>Viola tricolor</i> Wild Violet; Pansy	1	460000.0
<i>Viola odorata</i> Common Violet; Sweet Violet	1	40000.0
<i>Vitis vinifera</i> Weinrebe (Ger.); European Grape; Vigne Vinifere (Fr.); Grapevine; Wine Grape; Vid (Sp.); Parra (Sp.); Grape	2	
<i>Withania somnifera</i> Ashwagandha	1	
<i>Xylopia aethiopica</i> Mohrenpfeffer (Ger.); Guinea Pepper; Ethiopian Pepper; Negro Pepper; Pimienta de Guinea (Sp.); Maniguete (Sp.); Spice Tree	1	
<i>Zizyphus jujuba</i> Jujube; Ta-Tsao; Da-Zao	1	30000.0