

# A Antinyc talopic

\*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 manihot</i> Manioc Hibiscus  | 1           | 216.0     |
| <i>Abelmoschus esculentus</i> Okra  | 1           | 120.0     |
| <i>Abrus precatorius</i> Prayer Beads; Precatory Bean; Minnie-Minnies; Rosary Pea; Jequerity; Licorice Vine; Love Bean; Lucky Bean; Weatherplant; Red Beadvine; Indian Licorice; Jequirity Bean; Weathervine; Crab's Eye; Coral Beadplant | 1           |           |
| <i>Acanthopanax gracilistylis</i> Wu Chia Pi  | 1           | 38.0      |
| <i>Achillea millefolium</i> Yarrow; Milfoil   | 1           |           |
| <i>Achyranthes bidentata</i> Chaff Flower   | 1           | 102.0     |
| <i>Aconitum carmichaelii</i> Fu-Tsu; Aconite  | 1           | 26.0      |
| <i>Acorus calamus</i> Calamus; Flagroot; Sweet Calamus; Sweetflag; Myrtle Flag; Sweetroot   | 1           |           |
| <i>Actaea racemosa</i> Black Cohosh; Black Snakeroot  | 1           |           |
| <i>Actaea dahurica</i> Xing an sheng ma; Sheng ma   | 1           |           |
| <i>Actinidia chinensis</i> Kiwi   | 1           | 18.0      |
| <i>Agathosma betulina</i> Honey Buchu; Buchu; Mountain Buchu  | 1           | 168.0     |
| <i>Aglaonema commutatum</i> Aglaonema aroid   | 1           |           |
| <i>Akebia quinata</i> Chocolate Vine  | 1           | 20.0      |
| <i>Albizia julibrissin</i> Mimosa   | 1           | 16.0      |
| <i>Alisma plantago-aquatica</i> Tse-Hsieh; Mud Plantain; Water Plantain; Ze-Xie   | 1           | 136.0     |
| <i>Allium sativum</i> var. <i>sativum</i> Garlic  | 1           | 30.6      |
| <i>Allium cepa</i> Shallot; Onion   | 3           | 174.0     |
| <i>Allium ampeloprasum</i> Kurrat; Elephant Garlic  | 1           |           |
| <i>Alocasia macrorrhiza</i> Giant Taro  | 1           | 102.0     |
| <i>Aloe vera</i> Bitter Aloes; Aloe   | 1           | 1540.0    |
| <i>Aloe</i> spp. Aloe   | 1           |           |
| <i>Aloysia citrodora</i> Lemon Verbena  | 1           |           |
| <i>Althaea officinalis</i> Marshmallow; White Mallow  | 1           |           |
| <i>Amaranthus</i> sp. Pigweed   | 1           | 216.0     |
| <i>Amomum xanthioides</i> Bastard Cardamom; Tavoy Cardamom; Chin Kousha; Malabar Cardamom   | 1           | 96.0      |
| <i>Amorphophallus konjac</i> Umbrella Arum; Leopard Palm; Devil's Tongue; Snake Palm; Konjac; Elephant Yam  | 1           |           |
| <i>Amorphophallus campanulatus</i> Elephant-Foot Yam  | 1           | 100.0     |
| <i>Amphicarpaea bracteata</i> Hog Peanut  | 1           |           |
| <i>Anacardium occidentale</i> Cashew  | 1           | 114.0     |
| <i>Ananas comosus</i> Pineapple   | 1           | 12.0      |
| <i>Anemarrhena asphodeloides</i> Chih-Mu; Zhi-Mu  | 1           | 54.0      |
| <i>Anethum graveolens</i> Garden Dill; Dill   | 1           | 432.0     |
| <i>Angelica sinensis</i> Dong Quai; Dang Qui; Dong Gui; Dang Quai; Chinese Angelica; Dang Gui   | 1           |           |
| <i>Angelica laxiflora</i> Tu Huo  | 1           | 30.0      |
| <i>Angelica dahurica</i> Bai Zhi  | 1           | 58.0      |
| <i>Angelica archangelica</i> Angelica; Garden Angelica; Wild Parsnip  | 1           |           |
| <i>Annona muricata</i> Soursop  | 1           | 8.0       |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Annona cherimola</i> Cherimoya   | 1           | 30.0      |
| <i>Anthriscus cerefolium</i> Chervil  | 1           | 20.0      |
| <i>Apium graveolens</i> Celery  | 1           | 406.0     |
| <i>Arachis hypogaea</i> Peanut; Groundnut   | 1           | 70.0      |
| <i>Arctium lappa</i> Burdock; Great Burdock; Gobo   | 1           | 41.2      |
| <i>Arctostaphylos uva-ursi</i> Uva Ursi; Bearberry  | 1           |           |
| <i>Areca catechu</i> Pin-Lang; Betel Nut  | 1           | 32.0      |
| <i>Arisaema consanguineum</i> Chinese Jack-In-The-Pulpit  | 1           | 28.0      |
| <i>Aristolochia debilis</i> Chinese Birthwort   | 1           | 80.0      |
| <i>Armoracia rusticana</i> Horseradish  | 1           | 56.9      |
| <i>Arnica montana</i> Leopard's-Bane; Mountain Tobacco  | 1           |           |
| <i>Artemisia vulgaris</i> Mugwort   | 1           | 180.0     |
| <i>Artemisia herba-alba</i> Desert Wormwood   | 1           | 42.0      |
| <i>Artemisia dracuncululus</i> Tarragon   | 1           |           |
| <i>Artemisia cina</i> Levant Wormseed   | 1           |           |
| <i>Artemisia capillaris</i> Capillary Wormwood  | 1           | 44.0      |
| <i>Artocarpus heterophyllus</i> Jackfruit   | 1           | 32.0      |
| <i>Artocarpus altilis</i> Breadfruit  | 1           | 16.0      |
| <i>Asiasarum sieboldii</i> Siebold's Wild Ginger  | 1           | 118.0     |
| <i>Asiasarum heterotropoides</i> Asian Wild Ginger  | 1           | 118.0     |
| <i>Asimina triloba</i> Pawpaw   | 1           | 76.0      |
| <i>Asparagus officinalis</i> Asparagus  | 2           | 248.0     |
| <i>Asparagus lucidus</i> Lucid Asparagus  | 1           | 16.0      |
| <i>Astragalus membranaceus</i> Huang Qi; Huang-Chi  | 1           | 21.0      |
| <i>Atractylodes ovata</i> Pai-Chu; Bai-Zhu  | 1           | 64.0      |
| <i>Atractylodes lancea</i> Cang Zhu   | 1           | 66.0      |
| <i>Avena sativa</i> Oats  | 1           |           |
| <i>Averrhoa carambola</i> Carambola; Star Fruit   | 2           |           |
| <i>Barosma betulina</i> Buchu   | 1           | 168.0     |
| <i>Belamcanda chinensis</i> Mariposa (Sp.); Leopard Lily; Shenan; Blackberry Lily; Iris Tigre (Fr.); Leopardenblume (Ger.); Maravilla (Sp.) | 1           | 34.0      |
| <i>Berberis vulgaris</i> Barberry   | 2           |           |
| <i>Bertholletia excelsa</i> Brazilnut-Tree; Brazilnut; Creamnut; Paranut  | 1           | 106.0     |
| <i>Beta vulgaris</i> Beetroot; Garden Beet; Sugar Beet; Beet  | 1           | 140.0     |
| <i>Bixa orellana</i> Lipsticktree; Annoto; Arnato; Annato; Bija; Lipstick Pod; Annatto; Achiote   | 1           |           |
| <i>Blechnum orientale</i> Shield Fern; Kuan Chung   | 1           | 34.0      |
| <i>Bletilla striata</i> Chinese Ground Orchid; Hyacinth Bletilla; Hardy Orchid; Dai Chi (Chin.); Shiran (Jap.); Bletilla; Hyacinth Orchid   | 1           | 32.0      |
| <i>Boehmeria nivea</i> Ramie  | 1           | 86.0      |
| <i>Borago officinalis</i> Borage; Talewort; Beebread; Beeplant  | 1           |           |
| <i>Brassica rapa</i> Turnip; Rapini; Seven-Top Turnip   | 1           | 76.0      |
| <i>Brassica pekinensis</i> Chinese Cabbage  | 1           | 160.0     |
| <i>Brassica oleracea</i> var. <i>viridis</i> l. Cow Cabbage; Collards; Tall Kale; Tree Kale; Spring-Heading Cabbage                         | 1           | 314.0     |

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|--|-------------|-----------|
| <i>Brassica oleracea</i> var. <i>sabellica</i> I. Kitchen Kale; Kale; Curly Kale; Scotch Kale  | 1           | 56.0      |
| <i>Brassica oleracea</i> var. <i>italica</i> Calabrese; Purple Cauliflower; Winter Broccoli; Sprouting Broccoli; Cape Broccoli; Broccoli; Heading Broccoli; Asparagus Broccoli | 1           |           |
| <i>Brassica oleracea</i> var. <i>gemmifera</i> Brussel-Sprout; Brussels-Sprouts  | 1           | 314.0     |
| <i>Brassica oleracea</i> var. <i>capitata</i> I. Red Cabbage; Cabbage; White Cabbage   | 2           | 77.0      |
| <i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower   | 1           | 430.0     |
| <i>Brassica nigra</i> Black Mustard  | 1           | 80.0      |
| <i>Brassica napus</i> var. <i>napobrassica</i> Swede; Swedish Turnip; Rutabaga   | 1           | 66.0      |
| <i>Brassica juncea</i> Mustard Greens  | 1           | 130.0     |
| <i>Broussonetia papyrifera</i> Paper Mulberry  | 1           | 46.0      |
| <i>Bupleurum chinense</i> Chai-Hu  | 1           |           |
| <i>Cajanus cajan</i> Pigeonpea   | 1           | 68.0      |
| <i>Calendula officinalis</i> Pot-Marigold; Calendula   | 1           |           |
| <i>Camellia sinensis</i> Tea   | 2           | 60.0      |
| <i>Canavalia ensiformis</i> Jack Bean  | 1           | 40.0      |
| <i>Capsicum frutescens</i> Spur Pepper; Chili; Red Chili; Cayenne; Tabasco; Hot Pepper   | 2           | 48.0      |
| <i>Capsicum annuum</i> Cherry Pepper; Paprika; Bell Pepper; Green Pepper; Sweet Pepper; Cone Pepper  | 2           | 84.7      |
| <i>Carica papaya</i> Papaya  | 1           |           |
| <i>Carthamus tinctorius</i> Safflower  | 1           |           |
| <i>Carum carvi</i> Kummel (Ger.); Caraway; Comino (Sp.); Comino de prado (Sp.); Carum  | 1           | 122.0     |
| <i>Carya ovata</i> Shagbark Hickory  | 1           | 776.0     |
| <i>Carya illinoensis</i> Pecan   | 1           | 112.0     |
| <i>Carya glabra</i> Pignut Hickory   | 1           | 2200.0    |
| <i>Cassia tora</i> Sickle Senna  | 1           | 62.0      |
| <i>Castanea sativa</i> European Chestnut   | 1           | 20.0      |
| <i>Castanea mollissima</i> Chinese Chestnut  | 1           | 34.0      |
| <i>Castanea dentata</i> American Chestnut  | 1           | 48.0      |
| <i>Catalpa ovata</i> Kisasage; Hsin-Pa-Pi  | 1           | 42.0      |
| <i>Caulophyllum thalictroides</i> Blue Cohosh  | 1           |           |
| <i>Celosia cristata</i> Cockscomb  | 1           | 78.0      |
| <i>Centella asiatica</i> Pennywort; Gotu Kola  | 1           | 37.4      |
| <i>Chaenomeles lagenaria</i> Chinese Quince; Mu-Kua  | 1           | 42.0      |
| <i>Chamaemelum nobile</i> Perennial Camomile; Garden Camomile; Roman Camomile  | 1           |           |
| <i>Chamissoa altissima</i> Guanique  | 1           |           |
| <i>Chenopodium album</i> Lambsquarter  | 1           | 48.0      |
| <i>Chondrus crispus</i> Irish Moss   | 1           | 88.0      |
| <i>Chrysanthemum parthenium</i> Feverfew   | 1           |           |
| <i>Cicer arietinum</i> Garbanzo; Chickpea  | 1           | 100.0     |
| <i>Cichorium intybus</i> Succory; Witloof; Chicory   | 1           |           |
| <i>Cichorium endivia</i> Endive; Escarole  | 1           | 292.0     |
| <i>Cimicifuga racemosa</i> Black Cohosh; Black Snakeroot   | 1           |           |
| <i>Cimicifuga dahurica</i> Sheng Ma  | 1           | 36.0      |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Cinnamomum verum</i> Ceylon Cinnamon; Cinnamon   | 1           | 108.0     |
| <i>Cinnamomum sieboldii</i> Japanese Cinnamon   | 1           | 120.0     |
| <i>Cinnamomum burmannii</i> Padang Cassia; Java Cinnamon  | 1           | 20.0      |
| <i>Cinnamomum aromaticum</i> Cassia Bark; Zimtcassie (Ger.); Chinesischer Zimtbaum (Ger.); Cannelier Casse (Fr.); China Junk Cassia; Kashi-Keihi (Jap.); Canelle de Cochinchine (Fr.); Cassia Lignea; Canelero chino (Sp.); Cannelier de Chine (Fr.); Chinese Cassia; Cassia; Saigon Cinnamon; Chinazimt (Ger.); Canela de la China (Sp.); Chinese Cinnamon | 1           | 20.0      |
| <i>Cistanche salsa</i> Jou Tsung Jung; Cistanchis Herba; Broomrape  | 1           | 26.0      |
| <i>Citrullus lanatus</i> Watermelon   | 2           | 22.0      |
| <i>Citrus</i> spp Citrus  | 1           |           |
| <i>Citrus sinensis</i> Orange   | 2           | 32.0      |
| <i>Citrus reticulata</i> Mandarin; Tangerine  | 2           | 20.0      |
| <i>Citrus paradisi</i> Grapefruit   | 2           | 32.9      |
| <i>Citrus medica</i> Citron   | 1           | 28.0      |
| <i>Citrus limon</i> Lemon   | 1           | 2.4       |
| <i>Citrus aurantium</i> Petitgrain; Bitter Orange   | 1           | 32.0      |
| <i>Citrus aurantiifolia</i> Lime  | 1           | 18.0      |
| <i>Cnicus benedictus</i> Blessed Thistle  | 1           |           |
| <i>Cnidium officinale</i> Jih-Chiung  | 1           | 32.0      |
| <i>Cocos nucifera</i> Coconut Palm; Nariyal; Cocotero (Sp.); Coconut; Copra; Kokospalme (Ger.)  | 1           | 42.0      |
| <i>Coix lacryma-jobi</i> Adlay; Adlay Millet; Job'S-Tears; Yi-Yi-Ren  | 1           | 40.0      |
| <i>Colocasia esculenta</i> Taro   | 1           | 145.2     |
| <i>Coptis</i> spp Generic Goldthread  | 1           | 1200.0    |
| <i>Coptis japonica</i> Huang-Lia; Japanese Goldthread; Huang-Lian; Huang-Lien   | 1           | 1200.0    |
| <i>Coptis chinensis</i> Huang-Lien; Huang-Lian; Chinese Goldthread  | 1           | 1200.0    |
| <i>Coriandrum sativum</i> Coriander; Chinese Parsley; Cilantro  | 1           | 104.0     |
| <i>Cornus officinalis</i> Chinese Dogwood   | 1           | 24.0      |
| <i>Corylus avellana</i> Cobnut; English Filbert; European Filbert; Hazel; European Hazel  | 1           | 78.0      |
| <i>Crataegus rhipidophylla</i> Hawthorn   | 1           |           |
| <i>Crataegus laevigata</i> Woodland Hawthorn; English Hawthorn; Hawthorn; Whitethorn  | 1           |           |
| <i>Crataegus cuneata</i> Hawthorn   | 1           | 28.0      |
| <i>Cucumis sativus</i> Cucumber   | 1           | 314.0     |
| <i>Cucumis melo</i> Muskmelon; Cantaloupe; Nutmeg Melon; Melon; Netted Melon; Persian Melon   | 1           | 62.0      |
| <i>Cucurbita</i> spp Summer Squash  | 1           | 82.0      |
| <i>Cucurbita pepo</i> Pumpkin   | 2           | 283.0     |
| <i>Cucurbita maxima</i> Pumpkin   | 1           | 108.0     |
| <i>Cuminum cyminum</i> Cumin  | 1           | 116.0     |
| <i>Curcuma longa</i> Turmeric; Indian Saffron   | 1           | 44.0      |
| <i>Cymbopogon citratus</i> West Indian Lemongrass; Lemongrass   | 1           |           |
| <i>Cynanchum atratum</i> Bai-Wei; Pai-Wei   | 1           | 62.0      |
| <i>Cynara cardunculus</i> Artichoke   | 1           | 72.0      |
| <i>Cyperus rotundus</i> Nutsedge  | 1           | 66.0      |
| <i>Cyphomandra betacea</i> Tree Tomato; Tamarillo   | 2           |           |
| <i>Cypripedium pubescens</i> Ladyslipper  | 1           | 134.0     |

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|---|-------------|-----------|
| <i>Cyrtosperma chamissonis</i> Swamp Taro   | 1           | 100.0     |
| <i>Daucus carota</i> Carrot   | 2           | 158.0     |
| <i>Dendrobium nobile</i> Noble Dendrobium   | 1           | 52.0      |
| <i>Dianthus caryophyllus</i> Oeillet (Fr.); Clove Pink; Nelke (Ger.); Carnation; Clavel (Sp.)   | 1           |           |
| <i>Dioscorea villosa</i> Wild Yam   | 1           |           |
| <i>Dioscorea</i> sp. Wild Yam   | 1           | 112.0     |
| <i>Dioscorea bulbifera</i> Air Potato; Potato Yam   | 1           | 24.0      |
| <i>Dioscorea alata</i> Winged Yam; Greater Yam  | 1           | 34.0      |
| <i>Diospyros virginiana</i> American Persimmon  | 1           | 374.0     |
| <i>Drynaria fortunei</i> Fortune's Fern   | 1           | 34.0      |
| <i>Echinacea</i> spp Coneflower; Echinacea  | 1           | 56.1      |
| <i>Echinacea purpurea</i> Echinacea; Purple-Coneflower; Eastern Purple-Coneflower   | 1           |           |
| <i>Elaeagnus umbellatus</i> Russian Olive   | 1           |           |
| <i>Elettaria cardamomum</i> Cardamom  | 1           | 56.0      |
| <i>Eleutherococcus senticosus</i> Eleuthero Ginseng; Siberian Ginseng; Ci wu jia (Pinyin); Spiny Ginseng; Wu jia  | 1           |           |
| <i>Elytrigia repens</i> Couchgrass; Twitchgrass; Doggrass; Wheatgrass; Quackgrass   | 1           |           |
| <i>Ephedra</i> spp Ma-Huang   | 1           | 16.0      |
| <i>Ephedra sinica</i> Chinese Ephedra; Ma Huang   | 1           | 23.1      |
| <i>Equisetum hyemale</i> Horsetail; Scouring Rush   | 1           | 20.0      |
| <i>Equisetum arvense</i> Horsetail; Field Horsetail   | 1           |           |
| <i>Eriobotrya japonica</i> Loquat   | 1           | 56.0      |
| <i>Eriocaulon</i> sp Oriental Pipewort  | 1           | 42.0      |
| <i>Eriodictyon californicum</i> Tarweed; Holy Herb; Hierba Santa; Mountain Balm; Yerba Santa; California Yerba Santa; Bear's Weed; Consumptive's Weed; Gum Bush | 1           |           |
| <i>Erythroxylum novogranatense</i> Coca   | 1           | 110.0     |
| <i>Erythroxylum coca</i> Coca   | 1           | 58.0      |
| <i>Eucommia ulmoides</i> Tu Chung; Gutta-Percha Tree; Du Zhong  | 1           | 28.0      |
| <i>Euodia rutaecarpa</i> Wou Chou Yu  | 1           | 36.0      |
| <i>Eupatorium perfoliatum</i> Boneset   | 1           |           |
| <i>Euphrasia officinalis</i> Eyebright  | 1           | 38.5      |
| <i>Fallopia japonica</i> Japanese Knotweed; Hu-Zhang; Mexican Bamboo; Giant Knotweed  | 1           | 98.0      |
| <i>Ficus carica</i> Feigenbaum (Ger.); Echte Feige (Ger.); Fiquier Commun (Fr.); Fico (Ital.); Fig; Higo (Sp.); Figueira (Port.); Higuera Comun (Sp.)           | 3           | 14.0      |
| <i>Firmiana simplex</i> Chinese Parasol   | 1           | 50.0      |
| <i>Foeniculum vulgare</i> Fennel  | 1           | 66.0      |
| <i>Forsythia suspensa</i> Lian-Jiao; Lien-Chiao   | 1           | 34.0      |
| <i>Fragaria</i> spp Strawberry  | 2           | 40.0      |
| <i>Frangula purshiana</i> Cascara Sagrada; Cascara Buckthorn  | 1           |           |
| <i>Fraxinus rhynchophylla</i> Chinese Ash   | 1           | 34.0      |
| <i>Fritillaria thunbergii</i> Bei-Mu; Fritillary  | 1           | 24.0      |
| <i>Fucus vesiculosus</i> Kelp; Bladderwrack   | 2           | 6.6       |
| <i>Gardenia jasminoides</i> Cape Jasmine; Jasmin; Zhi Zi; Shan-Zhi-Zi; Gardenia; Shan-Chih-Tzu  | 1           | 34.0      |
| <i>Gastrodia elata</i> Tian Ma  | 1           | 24.0      |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Genipa americana</i> Jagua; Genipap  | 1           | 60.0      |
| <i>Gentiana scabra</i> Japanese Gentian   | 1           | 36.0      |
| <i>Gentiana lutea</i> Gentian; Yellow Gentian   | 1           | 31.9      |
| <i>Geranium thunbergii</i> Oriental Geranium; Gennoshiouko  | 1           | 56.0      |
| <i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree  | 2           | 16.0      |
| <i>Glechoma hederacea</i> Alehoof   | 1           | 106.0     |
| <i>Glehnia littoralis</i> Bei Sha Shen  | 1           | 52.0      |
| <i>Glycine max</i> Soybean  | 2           | 180.0     |
| <i>Glycyrrhiza uralensis</i> Chinese Licorice; Gan-Cao; Kan-Tsao  | 1           | 26.0      |
| <i>Glycyrrhiza glabra</i> Smooth Licorice; Licorice; Commom Licorice; Licorice-Root   | 1           | 3.3       |
| <i>Gymnema sylvestre</i> Miracle Fruit; Gymnema   | 1           |           |
| <i>Harpagophytum procumbens</i> Grapple Plant; Devil's Claw   | 1           | 19.8      |
| <i>Helianthus tuberosus</i> Jerusalem Artichoke   | 1           | 128.0     |
| <i>Helianthus annuus</i> Sunflower; Girasol   | 2           | 108.0     |
| <i>Hibiscus sabdariffa</i> Red Sorrel; Roselle; Rosa de Jamaica (Sp.); Indian Sorrel; Malventee (Ger.); Sorrel; Acedera de Guinea (Sp.); Jamaica Sorrel; Kharkadi; Sereni (Sp.); Rosella (Ger.) | 2           | 35000.0   |
| <i>Hordeum vulgare</i> Barleygrass; Barley  | 2           | 142.0     |
| <i>Houttuynia cordata</i> Fishwort; Dokudami; Yu Xing Cao   | 1           | 112.0     |
| <i>Humulus lupulus</i> Hops   | 1           |           |
| <i>Hydrangea arborescens</i> Smooth Hydrangea; Hydrangea  | 1           |           |
| <i>Hydrastis canadensis</i> Goldenseal  | 1           | 17.6      |
| <i>Hyoscyamus niger</i> Henbane   | 1           | 96.0      |
| <i>Hypericum perforatum</i> Common St. Johnswort; Goatweed; Klamath Weed; St. John's-wort; Hypericum  | 1           |           |
| <i>Inula helenium</i> Elecampane  | 1           |           |
| <i>Ipomoea batatas</i> Sweet Potato   | 1           | 22.0      |
| <i>Ipomoea aquatica</i> Swamp Cabbage; Water Spinach  | 1           | 184.0     |
| <i>Isatis tinctoria</i> Dyer's Woad   | 1           | 80.0      |
| <i>Juglans regia</i> English Walnut   | 1           |           |
| <i>Juglans nigra</i> Black Walnut   | 1           | 92.0      |
| <i>Juglans cinerea</i> Butternut  | 1           | 74.0      |
| <i>Juncus effusus</i> Rush  | 1           | 76.0      |
| <i>Juniperus virginiana</i> Red Cedar   | 1           | 634.0     |
| <i>Juniperus communis</i> Juniper; Common Juniper   | 1           |           |
| <i>Jussiaea repens</i> Jussiaeae Herba; Pond Dragon   | 1           | 80.0      |
| <i>Kalanchoe gastonis-bonnieri</i> Mala madre   | 1           |           |
| <i>Lablab purpureus</i> Bonavist Bean; Lablab Bean; Hyacinth Bean   | 1           | 186.0     |
| <i>Lactuca sativa</i> Lettuce   | 1           | 1948.0    |
| <i>Lagenaria siceraria</i> Calabash Gourd; White-Flowered Gourd   | 1           | 314.0     |
| <i>Larrea tridentata</i> Chaparral; Creosote Bush   | 1           |           |
| <i>Lens culinaris</i> Lentil  | 1           | 192.0     |
| <i>Lepidium meyenii</i> Maca; Peruvian Ginseng  | 1           |           |
| <i>Ligustrum lucidum</i> Privet; Chinese Privet; Glossy Privet; White Waxtree; Ligustri Fructus   | 1           | 48.0      |
| <i>Ligustrum japonicum</i> Ligustri Fructus; Japanese Privet  | 1           | 48.0      |

| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| <i>Linum usitatissimum</i> Flax; Linseed   | 1           |           |
| <i>Liquidambar styraciflua</i> American Styrax; Sweetgum   | 1           | 676.0     |
| <i>Lobelia inflata</i> Indian Tobacco; Lobelia   | 1           | 4.4       |
| <i>Lonicera japonica</i> Japanese Honeysuckle  | 1           | 42.0      |
| <i>Lophatherum gracile</i> Dan Zhu Ye  | 1           | 50.0      |
| <i>Lupinus albus</i> White Lupine  | 1           | 106.0     |
| <i>Lycium chinense</i> Chinesischer Bocksdoorn (Ger.); Spina Santa Cinese (Ital.); Daun Koki (Indones.); Kuko (Jap.); Kaulichai (Malays.); Chinese Wolfberry; Chinese Boxthorn; Gou Qi (Chin.); Chinese Matrimony Vine; Lyciet de Chine (Fr.); Wolfberry | 1           | 86.0      |
| <i>Lycopersicon esculentum</i> Tomato  | 2           | 240.0     |
| <i>Lycopodium selago</i> Clubmoss  | 1           |           |
| <i>Lycopodium clavatum</i> Clubmoss; Antler Herb   | 1           | 56.0      |
| <i>Lygodium japonicum</i> Climbing Fern  | 1           | 46.0      |
| <i>Lythrum salicaria</i> Purple Loosestrife  | 1           | 20000.0   |
| <i>Macadamia</i> spp Macadamia   | 1           | 36.0      |
| <i>Magnolia officinalis</i> Hou Pu; Magnolia-Bark; Chinese Magnolia  | 1           | 18.0      |
| <i>Magnolia kobus</i> Hsin-I; Xin-Yi   | 1           | 50.0      |
| <i>Magnolia fargesii</i> Hsin-I; Xin-Yi  | 1           | 50.0      |
| <i>Magnolia denudata</i> Xin-Yi; Hsin-I  | 1           | 50.0      |
| <i>Malus domestica</i> Apple   | 2           | 80.0      |
| <i>Malva sylvestris</i> High Mallow  | 1           |           |
| <i>Mangifera indica</i> Mango  | 1           | 22.8      |
| <i>Manihot esculenta</i> Tapioca; Yuca; Cassava  | 1           | 38.0      |
| <i>Medicago sativa</i> Lucerne; Alfalfa  | 3           |           |
| <i>Mentha x piperita</i> Peppermint  | 1           |           |
| <i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda  | 1           |           |
| <i>Mentha pulegium</i> European Pennyroyal   | 1           | 112.0     |
| <i>Mentha arvensis</i> var. <i>piperascens</i> Japanese Mint; Field Mint; Cornmint   | 1           | 56.0      |
| <i>Momordica charantia</i> Bitter Melon; Sorosi  | 1           |           |
| <i>Morinda</i> sp Morinda  | 1           | 30.0      |
| <i>Morus alba</i> White Mulberry; Sang-Pai-Pi  | 1           | 28.0      |
| <i>Murraya</i> sp None   | 1           | 14.0      |
| <i>Musa x paradisiaca</i> Banana; Plantain   | 2           | 16.7      |
| <i>Myrciaria dubia</i> Camo Camo (Peru); Araza de Agua (Sp.); Rumberry (Eng.); Guapuro Blanco (Bol.); Camu-camu (Eng.,Peru,Scn.,Sp.); Camu-camu Negro (Peru)   | 1           |           |
| <i>Myrica cerifera</i> Southern Bayberry; Wax Myrtle; Bayberry; Candle-Berry   | 1           |           |
| <i>Myristica fragrans</i> nogal moscado (Sp.); Mace; Nutmeg; nuez moscada (Sp.); Muskatnussbaum (Ger.)   | 1           | 80.0      |
| <i>Nardostachys chinensis</i> Chinese Spikenard  | 1           | 44.0      |
| <i>Nasturtium officinale</i> Berro; Watercress   | 1           |           |
| <i>Nelumbo nucifera</i> Water Lotus  | 1           | 56.0      |
| <i>Nepeta cataria</i> Catnip   | 1           |           |
| <i>Nicotiana tabacum</i> Tobacco   | 1           |           |
| <i>Notopterygium incisum</i> Qiang Huo   | 1           | 32.0      |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Nyssa sylvatica</i> Black Gum; Black Tupelo  | 1           | 374.0     |
| <i>Ocimum basilicum</i> Sweet Basil; Cuban Basil; Basil   | 2           | 12.0      |
| <i>Oenothera biennis</i> Evening-Primrose   | 1           | 180.0     |
| <i>Ophiopogon japonicus</i> Mai-Men-Tung; Mai-Men-Dong  | 1           | 32.0      |
| <i>Opuntia ficus-indica</i> Nopal; Nopalito; Indian Fig; Prickly Pear   | 1           | 30.0      |
| <i>Origanum vulgare</i> Wild Oregano; Oregano; Common Turkish Oregano; European Oregano; Pot Marjoram; Wild Marjoram  | 1           | 98.0      |
| <i>Origanum majorana</i> Marjoram; Sweet Marjoram   | 1           | 86.0      |
| <i>Oryza sativa</i> Rice  | 1           |           |
| <i>Paeonia suffruticosa</i> Moutan Peony; Moutan; Tree Peony  | 1           | 30.0      |
| <i>Paeonia moutan</i> Tree Peony; Moutan  | 1           | 30.0      |
| <i>Paeonia lactiflora</i> Peony; Chih-Shao; White Peony; Common Garden Peony; Bai Shao (Chinese)  | 1           | 48.0      |
| <i>Panax quinquefolius</i> Ginseng; American Ginseng  | 1           | 228.0     |
| <i>Panax japonicus</i> Japanese Ginseng   | 1           | 40.0      |
| <i>Panax ginseng</i> Oriental Ginseng; Ginseng; Chinese Ginseng; Korean Ginseng   | 2           |           |
| <i>Papaver somniferum</i> Opium Poppy; Poppysseed Poppy   | 1           | 260.0     |
| <i>Parthenium integrifolium</i> American Feverfew; Wild Quinine; Missouri Snakeroot; Prairie-Dock; Feverfew   | 1           |           |
| <i>Passiflora incarnata</i> Passionflower; Manzana de Mayo; Mayapple  | 1           |           |
| <i>Pastinaca sativa</i> Parsnip   | 1           | 140.0     |
| <i>Perilla frutescens</i> Perilla   | 2           | 100.0     |
| <i>Persea americana</i> Avocado   | 2           | 64.0      |
| <i>Petasites japonicus</i> Butterbur  | 1           | 120.0     |
| <i>Petroselinum crispum</i> Parsley   | 2           |           |
| <i>Peucedanum decursivum</i> Qian Hu  | 1           | 84.0      |
| <i>Phaseolus vulgaris</i> Navy Bean; Green Bean; Garden Bean; String Bean; Kidney Bean; Flageolet Bean; Field Bean; Popping Bean; Haricot Bean; Dwarf Bean; Black Bean; Snap Bean; Haricot; Wax Bean; Pop Bean; Haricot Vert; French Bean | 2           | 400.0     |
| <i>Phaseolus lunatus</i> Butter Bean; Lima Bean   | 1           | 200.0     |
| <i>Phaseolus coccineus</i> Scarlet Runner Bean  | 1           | 4.0       |
| <i>Phaseolus acutifolius</i> Tepary Bean  | 1           |           |
| <i>Phellodendron amurense</i> Huang Bai; Po Mu; Huang Po; Amur Cork Tree  | 1           | 52.0      |
| <i>Phoenix dactylifera</i> Date Palm  | 2           | 66.0      |
| <i>Phyllanthus emblica</i> Myrobalan; Emblic  | 1           | 178.0     |
| <i>Physalis ixocarpa</i> Tomatillo  | 1           | 142.0     |
| <i>Phytelephas aequatorialis</i> EQUATORIAL IVORY PALM  | 1           |           |
| <i>Pimenta dioica</i> Jamaica-Pepper; Clover-Pepper; Allspice; Pimenta; Pimento   | 1           | 40.0      |
| <i>Pimpinella anisum</i> Sweet Cumin; Anise   | 1           | 118.0     |
| <i>Pinellia ternata</i> Pan-Hsia; Ban-Xia   | 1           | 36.0      |
| <i>Pinus sylvestris</i> Scotch Pine   | 1           |           |
| <i>Pinus pinea</i> Italian Stone Pine; Pignolia   | 1           |           |
| <i>Pinus edulis</i> Pinyon Pine   | 1           |           |
| <i>Pinus echinata</i> Shortleaf Pine  | 1           | 176.0     |
| <i>Piper nigrum</i> Black Pepper; Pepper; White Pepper  | 1           | 71.4      |
| <i>Pistacia vera</i> Pistachio  | 1           | 60.0      |
| <i>Pisum sativum</i> Pea  | 2           | 120.0     |



| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| <i>Plantago psyllium</i> Psyllium  | 1           | 23.1      |
| <i>Plantago major</i> Common Plantain  | 1           |           |
| <i>Plantago asiatica</i> Asian Plantain  | 1           | 62.0      |
| <i>Platycodon grandiflorum</i> Balloon Flower; Jie-Geng; Chieh-Keng  | 1           | 36.0      |
| <i>Polygala tenuifolia</i> Chinese Senega  | 1           | 24.0      |
| <i>Polygonum multiflorum</i> Chinese Knotweed; Fleeceflower; He Shou Wu; Chinese Cornbind; Fo Ti   | 1           | 16.0      |
| <i>Polystichum polyblepharum</i> Chinese Polystichum   | 1           | 120.0     |
| <i>Portulaca oleracea</i> Verdolaga; Purslane  | 1           | 120.0     |
| <i>Prunella vulgaris</i> Self-Heal; Heal-All   | 2           | 50.0      |
| <i>Prunus serotina</i> Wild Cherry; Black Cherry   | 1           | 816.0     |
| <i>Prunus persica</i> Peach  | 2           | 142.6     |
| <i>Prunus dulcis</i> Almond  | 1           | 74.0      |
| <i>Prunus domestica</i> Plum   | 2           | 310.0     |
| <i>Prunus cerasus</i> Sour Cherry  | 1           | 14.0      |
| <i>Prunus armeniaca</i> Apricot  | 2           | 76.0      |
| <i>Psidium guajava</i> Guava   | 1           | 40.0      |
| <i>Psophocarpus tetragonolobus</i> Goa Bean; Winged Bean; Asparagus Pea  | 1           | 102.0     |
| <i>Pueraria pseudohirsuta</i> Chinese Kudzu  | 1           | 60.0      |
| <i>Pulsatilla chinensis</i> Chinese Anemone  | 1           | 48.0      |
| <i>Punica granatum</i> Pomegranate; Grenadier (Fr.); Romanzeiro (Port.); Granado (Sp.); Mangrano (Sp.); Granatapfelstrauch (Ger.); Zakuro (Jap.); Granatapfelbaum (Ger.) | 1           |           |
| <i>Pyrus communis</i> Pear   | 2           | 75.2      |
| <i>Quercus velutina</i> Black Oak  | 1           | 186.0     |
| <i>Quercus stellata</i> Post Oak   | 1           | 104.0     |
| <i>Quercus rubra</i> Northern Red Oak  | 1           | 310.0     |
| <i>Quercus phellos</i> Willow Oak  | 1           | 184.0     |
| <i>Quercus alba</i> White Oak  | 1           | 390.4     |
| <i>Quisqualis indica</i> Rangoon Creeper   | 1           | 44.0      |
| <i>Raphanus sativus</i> Radish   | 1           | 202.0     |
| <i>Rehmannia glutinosa</i> Chinese Foxglove  | 1           | 28.0      |
| <i>Rheum rhabarbarum</i> Rhubarb   | 2           | 160.0     |
| <i>Rheum palmatum</i> Chinese Rhubarb  | 1           | 20.0      |
| <i>Rhizophora mangle</i> Red Mangrove  | 1           | 86.0      |
| <i>Rhodymenia palmata</i> Dulse  | 2           | 78.0      |
| <i>Rhoeo spathacea</i> Cordoban  | 1           |           |
| <i>Rhus glabra</i> Smooth Sumac  | 1           | 416.0     |
| <i>Rhus copallina</i> Winged Sumac; Dwarf Sumac  | 1           | 448.0     |
| <i>Ribes uva-crispa</i> Gooseberry   | 2           | 50.0      |
| <i>Ribes rubrum</i> Red Currant; White Currant   | 2           | 36.6      |
| <i>Ribes nigrum</i> Black Currant  | 3           | 80086.0   |
| <i>Rosa laevigata</i> Cherokee Rose  | 1           | 30.0      |
| <i>Rosa canina</i> Dogbrier; Dog Rose; Rose  | 2           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Rosmarinus officinalis</i> Rosemary  | 1           | 76.0      |
| <i>Rubia cordifolia</i> Madder  | 1           | 78.0      |
| <i>Rubus idaeus</i> Red Raspberry; Raspberry  | 2           | 8.0       |
| <i>Rubus chingii</i> Chinese Raspberry  | 1           | 56.0      |
| <i>Rubus chamaemorus</i> Cloudberry   | 1           | 80.0      |
| <i>Rumex crispus</i> Curly Dock; Lengua De Vaca; Sour Dock; Yellow Dock   | 1           |           |
| <i>Rumex acetosa</i> Garden Sorrel  | 1           | 40.0      |
| <i>Ruscus aculeatus</i> Butcher's Broom; Box-Holly  | 1           |           |
| <i>Salix alba</i> White Willow  | 1           | 23.1      |
| <i>Salvia officinalis</i> Sage  | 1           | 64.9      |
| <i>Salvia miltiorrhiza</i> Dan-Shen; Tan-Shen; Red Sage   | 1           | 24.0      |
| <i>Sambucus nigra</i> European Elder; European Elderberry; Elder; Black Elder; European Alder                         | 1           |           |
| <i>Santalum acuminatum</i> Sweet Quandong; Quandong; Quandong Nut   | 1           |           |
| <i>Sassafras albidum</i> Sassafras  | 1           | 247.0     |
| <i>Sauvagesia erecta</i> Yerba de san martin  | 1           |           |
| <i>Schisandra chinensis</i> Schizandra; Chinese Magnolia Vine; Wu Wei Zu; Wu Wei Zi; Magnolia Vine; Five-Flavor-Fruit | 1           |           |
| <i>Schizonepeta tenuifolia</i> Jing-Jie; Ching-Chieh  | 1           | 56.0      |
| <i>Scrophularia buergeriana</i> Hsuan-Shen; Yuan-Shen   | 1           | 26.0      |
| <i>Scutellaria lateriflora</i> Scullcap; Mad-Dog Skullcap   | 1           | 94.6      |
| <i>Scutellaria baicalensis</i> Chinese Skullcap; Baikal Skullcap; Huang Qin   | 1           | 36.0      |
| <i>Secale cereale</i> Rye   | 1           |           |
| <i>Sechium edule</i> Chayote  | 1           | 146.0     |
| <i>Senna occidentalis</i> Coffee Senna  | 1           | 82.0      |
| <i>Senna obtusifolia</i> Sicklepod  | 1           | 152.0     |
| <i>Senna alexandrina</i> True Senna; Indian Senna; Alexandran senna   | 1           |           |
| <i>Serenoa repens</i> Scrub-Palmetto; Saw Palmetto  | 1           |           |
| <i>Sesamum indicum</i> Benneseed; Sesame; Sesamo (Sp.); Beni; Ajonjoli (Sp.)  | 1           | 204.0     |
| <i>Siegesbeckia orientalis</i> Saint Paul'Swort; Hsi Chien  | 1           | 34.0      |
| <i>Silybum marianum</i> Milk Thistle; Lady's Thistle  | 1           | 36.3      |
| <i>Simmondsia chinensis</i> Jojoba  | 1           | 32.0      |
| <i>Sinapis alba</i> White Mustard   | 1           | 122.0     |
| <i>Sinomenium acutum</i> Ching-Feng-Teng  | 1           | 30.0      |
| <i>Smilax spp</i> Sarsaparilla  | 1           | 28.6      |
| <i>Smilax officinalis</i> Sarsaparilla  | 1           |           |
| <i>Solanum tuberosum</i> Potato   | 2           | 88.2      |
| <i>Solanum melongena</i> Aubergine; Eggplant  | 1           | 51.2      |
| <i>Sophora subprostrata</i> Shan Dou Gen  | 1           | 28.0      |
| <i>Sophora angustifolia</i> Narrowleaf Sophora  | 1           | 48.0      |
| <i>Sorbus aucubaria</i> Rowan Berry   | 1           | 36.0      |
| <i>Spinacia oleracea</i> Spinach  | 2           | 370.0     |
| <i>Spirulina spp.</i> Spirulina   | 1           |           |
| <i>Spondias tuberosa</i> Umbu; Imbu   | 1           | 2.66      |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Spondias dulcis</i> Ambarella  | 1           | 3.8       |
| <i>Stachys officinalis</i> Bishop's-Wort; Betony; Purple Betony; Wood Betony  | 1           |           |
| <i>Stellaria media</i> Chickweed; Common Chickweed  | 1           | 57.2      |
| <i>Stevia rebaudiana</i> Stevia; Ca-A-E; Sweet Leaf of Paraguay   | 1           |           |
| <i>Symphoricarpos orbiculatus</i> Buckbush  | 1           | 184.0     |
| <i>Symphytum officinale</i> Comfrey   | 1           | 5.6       |
| <i>Syzygium aromaticum</i> Clove; Clovetree   | 1           | 60.0      |
| <i>Tabebuia heptaphylla</i> Pau D'Arco  | 1           | 7.7       |
| <i>Tagetes patula</i> French Marigold   | 1           |           |
| <i>Tagetes erecta</i> Aztec Marigold; Marigold  | 1           |           |
| <i>Tanacetum parthenium</i> Feverfew  | 1           |           |
| <i>Taraxacum officinale</i> Dandelion   | 2           | 61.3      |
| <i>Taraxacum mongolicum</i> Mongoloid Dandelion   | 1           | 68.0      |
| <i>Tephrosia candida</i> White Tephrosia  | 1           | 52.0      |
| <i>Tetrapanax papyrifera</i> Tung-Tsao; Tong-Cao; Rice Paper Tree   | 1           | 84.0      |
| <i>Theobroma cacao</i> Cacao  | 1           |           |
| <i>Thymus vulgaris</i> Garden Thyme; Thyme; Common Thyme  | 1           | 164.5     |
| <i>Trachyspermum ammi</i> Ajwan   | 1           | 86.0      |
| <i>Tragopogon porrifolius</i> Salsify   | 1           | 4.0       |
| <i>Trifolium pratense</i> Cowgrass; Red Clover; Peavine Clover; Purple Clover   | 1           |           |
| <i>Trigonella foenum-graecum</i> Fenugreek; Bockshornklee (Ger.); Greek Clover; Greek Hay; Alholva (Sp.)                          | 1           |           |
| <i>Triticum aestivum</i> Wheat  | 2           | 38.0      |
| <i>Tropaeolum majus</i> Nasturtium  | 1           |           |
| <i>Turnera diffusa</i> Damiana  | 1           |           |
| <i>Tussilago farfara</i> Coltsfoot  | 2           | 50.0      |
| <i>Ulmus rubra</i> Red Elm; Slippery Elm  | 1           |           |
| <i>Urtica dioica</i> Stinging Nettle; European Nettle   | 2           | 99.7      |
| <i>Vaccinium vitis-idaea</i> Cowberry; Lingen; Lingonberry  | 1           | 28.0      |
| <i>Vaccinium myrtillus</i> Whortleberry; Dwarf Bilberry; Bilberry   | 3           | 100.7     |
| <i>Vaccinium macrocarpon</i> Cranberry; Large Cranberry; American Cranberry   | 3           | 4.0       |
| <i>Vaccinium corymbosum</i> Blueberry   | 1           | 14.0      |
| <i>Valeriana officinalis</i> Common Valerian; Garden-Heliotrope; Valerian   | 1           |           |
| <i>Valerianella radicata</i>  | 1           |           |
| <i>Valerianella locusta</i> Corn Salad; Lamb's Lettuce  | 1           |           |
| <i>Verbascum thapsus</i> Flannelplant; Flannelleaf; Great Mullein; Mullein; Velvetplant   | 1           | 4.4       |
| <i>Viburnum opulus</i> European Cranberry Bush; Snowballbush; Crampbark; Guelder Rose   | 1           | 34.0      |
| <i>Vigna unguiculata</i> Crowder Pea; Black-eyed Pea; Southern Pea; Cowpea  | 1           | 76.0      |
| <i>Vigna radiata</i> Mungbean; Green Gram   | 1           | 158.0     |
| <i>Vigna angularis</i> Adzuki Bean  | 1           | 116.0     |
| <i>Vigna aconitifolia</i> Moth Bean; Mat Bean   | 1           | 42.0      |
| <i>Viscum album</i> European Mistletoe  | 2           | 172.0     |
| <i>Vitis vinifera</i> Vigne Vinifere (Fr.); European Grape; Weinrebe (Ger.); Grape; Grapevine; Wine Grape; Vid (Sp.); Parra (Sp.) | 3           | 218.0     |

| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| Xanthosoma sagittifolium Tannia; Malanga; Yautia               | 1           | 38.0      |
| Yucca baccata Spanish Bayonet; Banana Yucca; Blue Yucca; Yucca | 1           | 15.4      |
| Zea mays Corn  | 2           | 40.0      |
| Zingiber officinale Ginger                                     | 1           | 114.0     |
| Zizyphus jujuba Jujube; Ta-Tsao; Da-Zao                        | 1           | 42.0      |