

# A Irritant

\*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 moschatus</i> Muskmallow; Tropical Jewel Hibiscus; Musk Okra; Ambrette   | 2           |           |
| <i>Abelmoschus esculentus</i> Okra  | 4           | 203986.0  |
| <i>Abies spectabilis</i>  | 3           |           |
| <i>Abies sachalinensis</i> Shin-Yo-Yu; Japanese Fir   | 2           | 12960.0   |
| <i>Abies balsamea</i> Balsam Fir  | 3           | 13200.0   |
| <i>Abies alba</i> Silver-Fir  | 8           | 4836.0    |
| <i>Abrus precatorius</i> Jequerity; Licorice Vine; Minnie-Minnies; Love Bean; Weathervine; Crab's Eye; Indian Licorice; Lucky Bean; Red Beadvine; Rosary Pea; Weatherplant; Jequirity Bean; Coral Beadplant; Precatory Bean; Prayer Beads | 1           |           |
| <i>Abutilon theophrasti</i> Abutilon-Hemp; Velvet Leaf; Butterprint; Indian-Mallow  | 1           |           |
| <i>Acacia nilotica</i> Babul  | 4           |           |
| <i>Acacia farnesiana</i> Opopanax; Huisache; Popinac; Sweet Acacia; Cassie  | 4           |           |
| <i>Acacia catechu</i> Catechu; Black Cutch  | 1           |           |
| <i>Achillea moschata</i> Iva  | 1           | 3708.0    |
| <i>Achillea millefolium</i> Yarrow; Milfoil   | 25          | 14912.0   |
| <i>Acinos suaveolens</i>  | 13          |           |
| <i>Acinos alpinus</i> Te de Sierra Nevada   | 7           |           |
| <i>Aconitum napellus</i> Helmet Flower; Monkshood; Garden Wolfsbane; European Aconite; Queen's Fettle; Turk's Cap; Aconite; Blue Rocket; Friar's Cap; Soldier's Cap; Bear's-Foot; Garden Monkshood  | 3           |           |
| <i>Acorus calamus</i> Calamus; Flagroot; Sweetroot; Sweet Calamus; Sweetflag; Myrtle Flag   | 16          | 5344.0    |
| <i>Acrocomia totai</i> Gru-Gru Nut; Mbocaya   | 1           |           |
| <i>Actaea spicata</i> European Baneberry  | 1           |           |
| <i>Actaea rubra</i> Red Baneberry   | 1           |           |
| <i>Actaea racemosa</i> Black Cohosh; Black Snakeroot  | 2           |           |
| <i>Actaea pachypoda</i> White Baneberry; Baneberry; White Cohosh; Doll's-Eyes; American Baneberry   | 1           |           |
| <i>Adonis vernalis</i> Spring Adonis  | 1           |           |
| <i>Aegle marmelos</i> Bael de India; Bael fruit   | 5           |           |
| <i>Aeolanthus myriantha</i> Ninde   | 3           |           |
| <i>Aesculus hippocastanum</i> Horse Chestnut  | 2           |           |
| <i>Aframomum melegueta</i> Alligator Pepper; Grains-of-Paradise; Malagettapfeffer (Ger.); Malagueta (Sp.); Guinea Grains; Melegueta Pepper  | 2           |           |
| <i>Agastache urticifolia</i> Nettle-Leaf Giant Hyssop   | 4           | 5616.0    |
| <i>Agastache rugosa</i>   | 6           |           |
| <i>Agastache nepetoides</i>   | 5           |           |
| <i>Agastache foeniculum</i> Giant Hyssop  | 5           |           |
| <i>Agathosma betulina</i> Mountain Buchu; Buchu; Honey Buchu  | 5           | 6000.0    |
| <i>Agave americana</i> Maguey; Century Plant  | 1           |           |
| <i>Ageratum conyzoides</i> Mexican ageratum   | 6           |           |
| <i>Akebia quinata</i> Chocolate Vine  | 1           |           |
| <i>Aleurites moluccana</i> Indian Walnut; Candlenut; Candleberry; Varnishtree; Candlenut Tree; Lumbangtree  | 1           | 731160.0  |
| <i>Aleurites fordii</i> Tungoil Tree  | 1           | 180000.0  |

| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| <i>Alisma plantago-aquatica</i> Ze-Xie; Mud Plantain; Tse-Hsieh; Water Plantain                  | 1           |           |
| <i>Alliaria petiolata</i> Garlic Mustard   | 1           | 30800.0   |
| <i>Allium schoenoprasum</i> Chives   | 6           | 21000.0   |
| <i>Allium sativum</i> var. <i>sativum</i> Garlic   | 5           |           |
| <i>Allium cepa</i> Onion; Shallot  | 8           | 8940.0    |
| <i>Allium ampeloprasum</i> Elephant Garlic; Kurrat   | 1           |           |
| <i>Alocasia macrorrhiza</i> Giant Taro   | 2           |           |
| <i>Aloe vera</i> Bitter Aloes; Aloe  | 2           |           |
| <i>Aloysia citrodora</i> Lemon Verbena   | 18          | 5334.0    |
| <i>Alpinia officinarum</i> Chinese Ginger; Lesser Galangal                                       | 8           | 800.0     |
| <i>Alpinia galanga</i> Greater Galangal; Languas; Siamese Ginger                                 | 12          | 24000.0   |
| <i>Althaea officinalis</i> Marshmallow; White Mallow   | 1           |           |
| <i>Ammi visnaga</i> Visnaga  | 2           |           |
| <i>Ammi majus</i> Bishop's Weed  | 1           |           |
| <i>Amomum xanthioides</i> Malabar Cardamom; Chin Kousha; Bastard Cardamom; Tavoy Cardamom        | 3           |           |
| <i>Amomum compactum</i> Round Cardamom; Java Cardamom; Chester Cardamom; Siam Cardamom           | 10          |           |
| <i>Amphicarpaea bracteata</i> Hog Peanut   | 1           |           |
| <i>Anabasis aphylla</i> Anabasis   | 2           |           |
| <i>Anacardium occidentale</i> Cashew   | 6           | 1167749.0 |
| <i>Anamirta cocculus</i> Levant Berry  | 2           |           |
| <i>Ananas comosus</i> Pineapple  | 8           | 185894.0  |
| <i>Andira araroba</i> Araroba  | 1           |           |
| <i>Anemone pulsatilla</i> Pasque Flower  | 1           |           |
| <i>Anethum graveolens</i> Garden Dill; Dill  | 21          | 214442.0  |
| <i>Angelica sinensis</i> Dong Gui; Dang Gui; Dang Quai; Chinese Angelica; Dong Quai; Dang Qui    | 5           |           |
| <i>Angelica archangelica</i> Wild Parsnip; Angelica; Garden Angelica                             | 17          | 14233.0   |
| <i>Annona squamosa</i> Sugar-Apple; Sweetsop   | 7           |           |
| <i>Annona reticulata</i> Custard Apple   | 1           |           |
| <i>Annona muricata</i> Soursop   | 1           |           |
| <i>Annona cherimola</i> Cherimoya  | 1           | 245000.0  |
| <i>Anogeissus latifolia</i> Gum Ghatti   | 1           |           |
| <i>Apium graveolens</i> Celery   | 34          | 1894065.8 |
| <i>Aquilegia vulgaris</i> Columbine  | 3           | 32280.0   |
| <i>Arachis hypogaea</i> Groundnut; Peanut  | 3           | 1007915.0 |
| <i>Aralia spinosa</i> Hercules' Club; Prickly Ash; Devil's Walking Stick; American Angelica Tree | 1           |           |
| <i>Aralia cordata</i> Udo  | 6           | 1094.0    |
| <i>Arbutus unedo</i> Strawberry Tree; Arbutus  | 2           |           |
| <i>Arctium lappa</i> Great Burdock; Gobo; Burdock  | 4           |           |
| <i>Arctostaphylos uva-ursi</i> Uva Ursi; Bearberry   | 5           |           |
| <i>Areca catechu</i> Betel Nut; Pin-Lang   | 2           | 83520.0   |
| <i>Argemone mexicana</i> Prickly Poppy   | 3           | 171600.0  |
| <i>Aristolochia serpentaria</i> Serpentaria; Virginia Snakeroot                                  | 1           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Armoracia rusticana</i> Horseradish  | 1           |           |
| <i>Arnica montana</i> Leopard's-Bane; Mountain Tobacco  | 5           |           |
| <i>Artemisia vulgaris</i> Mugwort   | 7           |           |
| <i>Artemisia salsoloides</i>  | 10          |           |
| <i>Artemisia pallens</i> Davana   | 2           |           |
| <i>Artemisia herba-alba</i> Desert Wormwood   | 8           | 2184.0    |
| <i>Artemisia dracunculus</i> Tarragon   | 15          | 6600.0    |
| <i>Artemisia cina</i> Levant Wormseed   | 2           | 48000.0   |
| <i>Artemisia annua</i> Annual Wormwood (GRIN); Sweet Annie; Annual Mugwort (GRIN); Sweet Wormwood (GRIN); Qinghao   | 15          | 35900.0   |
| <i>Artemisia absinthium</i> Wormwood  | 2           |           |
| <i>Artocarpus altilis</i> Breadfruit  | 1           |           |
| <i>Asarum canadense</i> Wild Ginger   | 1           |           |
| <i>Asclepias syriaca</i> Milkweed   | 1           | 95400.0   |
| <i>Asiasarum sieboldii</i> Siebold's Wild Ginger  | 2           |           |
| <i>Asiasarum heterotropoides</i> Asian Wild Ginger  | 2           |           |
| <i>Asimina triloba</i> Pawpaw   | 3           | 49561.144 |
| <i>Aspalathus linearis</i> Red Bush Tea; Kaffree Tea; Rooibos   | 2           |           |
| <i>Asparagus officinalis</i> Asparagus  | 4           | 3354.0    |
| <i>Astrocaryum vulgare</i> Awarra Palm; Tucum Palm; Tucuma Palm; Tucuma   | 1           |           |
| <i>Atractylodes lancea</i> Cang Zhu   | 1           |           |
| <i>Atropa bella-donna</i> Belladonna  | 1           |           |
| <i>Avena sativa</i> Oats  | 10          | 232800.0  |
| <i>Averrhoa carambola</i> Carambola; Star Fruit   | 3           |           |
| <i>Azadirachta indica</i> Neem  | 1           | 476100.0  |
| <i>Bactris gasipaes</i> Peach palm; Pejibaye  | 3           |           |
| <i>Balanites aegyptiacus</i> Desert Date; zachun (India); dattier du desert (Fr.); dattier sauvage (Fr.); hingotia (India); mirobalano de Egipto (Sp.); betu (India); heglik (Fr.); Soapberry Tree; lalo (India); Zachunbaum (Ger.) | 1           | 270000.0  |
| <i>Ballota nigra</i> Black Horehound  | 4           | 78.0      |
| <i>Barosma betulina</i> Buchu   | 4           | 6000.0    |
| <i>Benincasa hispida</i> Waxgourd   | 3           | 38008.0   |
| <i>Berberis vulgaris</i> Barberry   | 3           |           |
| <i>Bertholletia excelsa</i> Creamnut; Paranut; Brazilnut; Brazilnut-Tree  | 2           | 816200.0  |
| <i>Beta vulgaris</i> Beetroot; Garden Beet; Sugar Beet; Beet  | 10          | 9504.0    |
| <i>Betula</i> sp.   | 1           |           |
| <i>Bidens pilosa</i>  | 1           |           |
| <i>Bixa orellana</i> Annatto; Annato; Annoto; Lipstick Pod; Lipsticktree; Bija; Arnato; Achioté   | 1           |           |
| <i>Bocconia frutescens</i> Tree Poppy   | 2           |           |
| <i>Bocconia arborea</i> Tree Poppy  | 1           |           |
| <i>Borago officinalis</i> Beeplant; Talewort; Beebread; Borage  | 3           |           |
| <i>Boronia megastigma</i> Scented Boronia   | 3           |           |
| <i>Boswellia serrata</i> Salaki; Salai; Indian Frankincense; Salai Guggal; Kundur Luban; Indian Olibanum-Tree   | 5           |           |
| <i>Boswellia sacra</i> Weihrauchbaum (Ger.); Weihrauchpflanze (Ger.); Olibanum Tree; Olibanum; arbol del incensio (Sp.); Frankincense; Oliban (Sp.)   | 4           |           |

| Plant  | # Chemicals | Total PPM          |
|--|-------------|--------------------|
| <i>Brassica rapa</i> Seven-Top Turnip; Rapini; Turnip  | 2           | 2960.0             |
| <i>Brassica oleracea</i> var. <i>viridis</i> I. Tall Kale; Cow Cabbage; Tree Kale; Collards; Spring-Heading Cabbage  | 1           |                    |
| <i>Brassica oleracea</i> var. <i>sabellica</i> I. Scotch Kale; Curly Kale; Kale; Kitchen Kale  | 5           | 13039.2            |
| <i>Brassica oleracea</i> var. <i>italica</i> Heading Broccoli; Sprouting Broccoli; Winter Broccoli; Cape Broccoli; Asparagus Broccoli; Purple Cauliflower; Calabrese; Broccoli | 2           |                    |
| <i>Brassica oleracea</i> var. <i>gemmifera</i> Brussels-Sprouts; Brussel-Sprout  | 2           | 2714.0             |
| <i>Brassica oleracea</i> var. <i>capitata</i> I. Cabbage; Red Cabbage; White Cabbage   | 10          | 4238.599999999999  |
| <i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower   | 6           | 11625.6            |
| <i>Brassica oleracea</i> Kohlrabi  | 5           | 3123.8             |
| <i>Brassica nigra</i> Black Mustard  | 1           | 5890.0             |
| <i>Brassica napus</i> var. <i>napobrassica</i> Rutabaga; Swedish Turnip; Swede   | 2           | 9830.0             |
| <i>Brassica juncea</i> Mustard Greens  | 1           | 2574.0             |
| <i>Brassica chinensis</i> Chinese Cabbage; Pak-Choi; Celery Mustard; Bok-Choy; Chinese Mustard; Celery Cabbage; Chinese White Cabbage  | 1           | 5984.0             |
| <i>Bryonia alba</i> White Bryony   | 1           |                    |
| <i>Bupleurum chinense</i> Chai-Hu  | 1           |                    |
| <i>Bursera delpechiana</i> Linaloe; Linaloe  | 2           | 1440.0             |
| <i>Buxus sempervirens</i> Boxwood  | 1           |                    |
| <i>Byrsonima crassifolia</i> Nance   | 1           |                    |
| <i>Cajanus cajan</i> Pigeonpea   | 2           | 1032.0             |
| <i>Calamintha nepeta</i> Turkish Calamint  | 15          |                    |
| <i>Calendula officinalis</i> Calendula; Pot-Marigold   | 2           | 146000.0           |
| <i>Callicarpa americana</i> American Beauty Berry; Beauty Berry; French Mulberry   | 9           |                    |
| <i>Calotropis</i> sp. Giant Milkweed   | 2           | 380000.0           |
| <i>Camellia sinensis</i> Tea   | 24          | 20100.0            |
| <i>Camellia japonica</i> Camellia; Kamelie (Ger.); Japanese Tea; Camelia (Fr., Port.); Tsubaki (Jap.); Rose du Japon (Fr.); Camelia (Sp.); Common Camellia                     | 1           |                    |
| <i>Cananga odorata</i> Cananga; Ylang-Ylang  | 8           |                    |
| <i>Canarium indicum</i> Manila Elemi; Java-Olive   | 3           | 751264.0           |
| <i>Cannabis sativa</i> Indian Hemp; Marijuana; Marihuana; Hemp   | 4           | 107400.0           |
| <i>Capparis spinosa</i> Caperbush; Caper   | 4           | 335524.0           |
| <i>Capsella bursa-pastoris</i> Shepherd's Purse  | 4           |                    |
| <i>Capsicum frutescens</i> Spur Pepper; Chili; Hot Pepper; Red Chili; Tabasco; Cayenne   | 18          | 37596.0            |
| <i>Capsicum annuum</i> Cherry Pepper; Cone Pepper; Bell Pepper; Paprika; Green Pepper; Sweet Pepper  | 20          | 17506.0            |
| <i>Carapa guianensis</i> Andiroba  | 1           |                    |
| <i>Carica papaya</i> Papaya  | 17          | 414826.0           |
| <i>Carthamus tinctorius</i> Safflower  | 7           | 413319.16000000003 |
| <i>Carum carvi</i> Kummel (Ger.); Carum; Comino de prado (Sp.); Caraway; Comino (Sp.)  | 21          | 294342.0           |
| <i>Carya illinoensis</i> Pecan   | 1           |                    |
| <i>Cassia tora</i> Sickle Senna  | 1           | 58608.0            |
| <i>Catalpa ovata</i> Hsin-Pa-Pi; Kisasage  | 2           |                    |
| <i>Catalpa bignonioides</i> Indian bean  | 1           |                    |
| <i>Catharanthus roseus</i> Madagascar Periwinkle; Rosy Periwinkle  | 1           |                    |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Caulophyllum thalictroides</i> Blue Cohosh   | 1           |           |
| <i>Cedrus libani</i> Cedar of Lebanon   | 1           |           |
| <i>Ceiba pentandra</i> Silk-Cotton Tree; Kapok  | 1           |           |
| <i>Centaurea cyanus</i> Cornflower; Bachelor's Button   | 1           |           |
| <i>Centaurea calcitrapa</i> Star-Thistle  | 1           |           |
| <i>Centaurium erythraea</i> Centaury  | 1           |           |
| <i>Centella asiatica</i> Pennywort; Gotu Kola   | 9           |           |
| <i>Cephaelis ipecacuanha</i> Ipecac; Raicilla   | 2           |           |
| <i>Ceratonia siliqua</i> St.John's-Bread; Carob; Locust Bean  | 4           | 26000.0   |
| <i>Chaenomeles lagenaria</i> Chinese Quince; Mu-Kua   | 2           |           |
| <i>Chamaelirium luteum</i> False Unicorn; Devil's Bit; Starwort   | 1           |           |
| <i>Chamaemelum nobile</i> Garden Camomile; Roman Camomile; Perennial Camomile   | 7           |           |
| <i>Chelidonium majus</i> Celandine  | 7           |           |
| <i>Chenopodium ambrosioides</i> Epazote; Wormseed   | 6           | 18400.0   |
| <i>Chenopodium album</i> Lambsquarter   | 1           | 600000.0  |
| <i>Chrysanthemum x morifolium</i> Chrysanthemum; Florist's Chrysanthemum; Ju Hua (Pinyin); Mum  | 10          |           |
| <i>Chrysanthemum parthenium</i> Feverfew  | 13          |           |
| <i>Chrysanthemum balsamita</i> Costmary; Balsamite  | 5           |           |
| <i>Cicer arietinum</i> Garbanzo; Chickpea   | 4           | 61178.0   |
| <i>Cichorium intybus</i> Chicory; Witloof; Succory  | 4           | 1216.0    |
| <i>Cichorium endivia</i> Endive; Escarole   | 2           | 2576.0    |
| <i>Cimicifuga racemosa</i> Black Cohosh; Black Snakeroot  | 2           |           |
| <i>Cinnamomum verum</i> Cinnamon; Ceylon Cinnamon   | 26          | 88360.0   |
| <i>Cinnamomum camphora</i> Ho Leaf; Camphor   | 25          | 447329.0  |
| <i>Cinnamomum aromaticum</i> Zimtcassie (Ger.); Chinesischer Zimtbaum (Ger.); Cannelle de Cochinchine (Fr.); Cassia; Canela de la China (Sp.); Chinese Cinnamon; Cassia Lignea; Cassia Bark; Canelero chino (Sp.); Chinese Cassia; China Junk Cassia; Cannelier de Chine (Fr.); Chinazimt (Ger.); Kashia-Keihi (Jap.); Cannelier Casse (Fr.); Saigon Cinnamon | 18          | 22450.0   |
| <i>Cistus ladaniferus</i> Labdanum; Rockrose; Gum Cistus; Ambreine  | 12          | 75180.0   |
| <i>Citrullus lanatus</i> Watermelon   | 4           | 389440.0  |
| <i>Citrullus colocynthis</i> Colocynth  | 7           |           |
| <i>Citrus sinensis</i> Orange   | 24          | 47953.02  |
| <i>Citrus reticulata</i> Mandarin; Tangerine  | 21          | 52982.1   |
| <i>Citrus paradisi</i> Grapefruit   | 18          | 45020.0   |
| <i>Citrus mitis</i> Calamondin; Calamansi   | 7           |           |
| <i>Citrus medica</i> Citron   | 2           |           |
| <i>Citrus limon</i> Lemon   | 15          | 119040.0  |
| <i>Citrus aurantium</i> Petitgrain; Bitter Orange   | 20          | 18624.0   |
| <i>Citrus aurantiifolia</i> Lime  | 19          | 32316.0   |
| <i>Cleistocalyx fullageri</i>   | 1           |           |
| <i>Clematis vitalba</i> Traveler's Joy  | 1           |           |
| <i>Cleonia lusitanica</i> Spanish Heal-All  | 12          |           |
| <i>Cnicus benedictus</i> Blessed Thistle  | 7           | 372960.0  |
| <i>Cocos nucifera</i> Coconut Palm; Nariyal; Cocotero (Sp.); Kokospalme (Ger.); Copra; Coconut  | 9           | 401207.0  |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Coffea arabica</i> Coffee  | 6           | 25908.0   |
| <i>Colchicum autumnale</i> Autumn Crocus; Meadow Saffron  | 2           | 24600.0   |
| <i>Collinsonia canadensis</i> Stone Root  | 4           |           |
| <i>Colocasia esculenta</i> Taro   | 3           | 21406.0   |
| <i>Commiphora myrrha</i> Mirra (Sp. It.); Myrrhe (Fr., Ger.); Herabol Myrrh; Myrrh; Somali Myrrh; African Myrrh               | 9           |           |
| <i>Convallaria majalis</i> Lily-Of-The-Valley   | 2           |           |
| <i>Conyza canadensis</i> Horseweed; Butterweed; Hogweed   | 2           |           |
| <i>Copaifera</i> spp Copaiba  | 1           | 961200.0  |
| <i>Corchorus olitorius</i> Nalta Jute; Mulukiya; Jew's Mallow   | 2           | 31990.0   |
| <i>Coriandrum sativum</i> Chinese Parsley; Cilantro; Coriander  | 18          | 379140.0  |
| <i>Coriaria myrtifolia</i> Mealy Tree   | 1           |           |
| <i>Coridothymus capitatus</i> Spanish Oregano   | 11          |           |
| <i>Cornus officinalis</i> Chinese Dogwood   | 1           |           |
| <i>Cornus mas</i> Sorbet; Cornelian Cherry  | 1           |           |
| <i>Corydalis</i> spp Fumewort   | 1           |           |
| <i>Corylus avellana</i> Hazel; Cobnut; European Hazel; English Filbert; European Filbert                                      | 1           | 1145300.0 |
| <i>Crataegus rhipidophylla</i> Hawthorn   | 3           |           |
| <i>Crataegus laevigata</i> English Hawthorn; Whitethorn; Woodland Hawthorn; Hawthorn  | 3           |           |
| <i>Crescentia alata</i> Jicaro  | 1           |           |
| <i>Crocus sativus</i> Saffron   | 11          |           |
| <i>Croton tiglium</i> Purging Croton  | 2           | 378000.0  |
| <i>Croton lechleri</i> Sangre de Drago; Sangre de Dragon; Sangre de Grado; Dragons Blood                                      | 10          |           |
| <i>Croton eluteria</i> Cascarilla   | 10          |           |
| <i>Cryptostegia grandifolia</i> Rubber Vine   | 2           | 83050.0   |
| <i>Cucumis sativus</i> Cucumber   | 2           | 844530.0  |
| <i>Cucumis melo</i> Cantaloupe; Netted Melon; Persian Melon; Muskmelon; Melon; Nutmeg Melon                                   | 10          | 827680.0  |
| <i>Cucurbita</i> spp Summer Squash  | 2           | 9490.0    |
| <i>Cucurbita pepo</i> Pumpkin   | 3           | 703591.0  |
| <i>Cucurbita maxima</i> Pumpkin   | 1           | 256130.0  |
| <i>Cucurbita foetidissima</i> Buffalo Gourd   | 1           |           |
| <i>Cuminum cyminum</i> Cumin  | 17          | 100688.0  |
| <i>Cunila origanoides</i> Mountain Dittany; Maryland Dittany; Frost Flower; American Dittany; Stone Mint; Frost Mint; Dittany | 10          | 47796.0   |
| <i>Curcuma zedoaria</i> Shoti; Zedoary  | 3           | 4440.0    |
| <i>Curcuma xanthorrhiza</i> Temu Lawak; Javan Turmeric  | 2           |           |
| <i>Curcuma longa</i> Turmeric; Indian Saffron   | 14          | 10295.0   |
| <i>Cyamopsis tetragonoloba</i> Siam-Bean; Guar; Cluster-Bean  | 1           |           |
| <i>Cycas revoluta</i> Sago Cycas  | 1           | 4400.0    |
| <i>Cydonia oblonga</i> Quince   | 2           |           |
| <i>Cymbopogon winterianus</i> Mahapengiri; Java Citronella  | 13          | 7438.0    |
| <i>Cymbopogon parkeri</i> Skhabar   | 2           | 1268.0    |
| <i>Cymbopogon nardus</i> Ceylon Citronella; Citronella  | 11          | 3960.0    |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Cymbopogon martinii</i> Rosha Grass; Palmarosa   | 3           | 100.0     |
| <i>Cymbopogon flexuosus</i> East Indian Lemongrass  | 5           | 3000.0    |
| <i>Cymbopogon citratus</i> West Indian Lemongrass; Lemongrass   | 15          | 4400.0    |
| <i>Cynara cardunculus</i> Artichoke   | 3           | 1320.0    |
| <i>Cyperus rotundus</i> Nutsedge  | 3           |           |
| <i>Datura stramonium</i> Jimsonweed   | 6           | 373500.0  |
| <i>Datura metel</i> Hindu Datura  | 2           | 148400.0  |
| <i>Daucus carota</i> Carrot   | 27          | 521740.0  |
| <i>Dianthus caryophyllus</i> Clavel (Sp.); Nelke (Ger.); Oeillet (Fr.); Carnation; Clove Pink   | 2           |           |
| <i>Dictamnus hispanicus</i>   | 1           |           |
| <i>Dictamnus albus</i> Akgiritotu; Gas Plant; Burning Bush; Dittany; Gazelotu   | 7           |           |
| <i>Digitalis purpurea</i> Purple Foxglove   | 3           |           |
| <i>Dioscorea pentaphylla</i> Mountain Yam   | 2           | 860.0     |
| <i>Diospyros virginiana</i> American Persimmon  | 1           |           |
| <i>Dipsacus fullonum</i>  | 1           |           |
| <i>Dipteryx odorata</i> Tonka Bean; Dutch Tonka Bean  | 1           | 29800.0   |
| <i>Dodonaea viscosa</i> Hopwood   | 1           | 90630.0   |
| <i>Dracocephalum thymiflora</i> Thyme-Flowered Moldavica  | 6           | 836.0     |
| <i>Dracocephalum parviflora</i> Small-Flowered Moldavica  | 2           | 420.0     |
| <i>Drimys winteri</i> Winter's Bark   | 2           |           |
| <i>Dryopteris filix-mas</i> Male Fern   | 1           |           |
| <i>Echinacea</i> spp Coneflower; Echinacea  | 7           | 84.0      |
| <i>Echinacea purpurea</i> Purple-Coneflower; Eastern Purple-Coneflower; Echinacea   | 3           |           |
| <i>Echinacea pallida</i> Pale Purple-Coneflower; Echinacea; Pale-Flower Echinacea   | 2           |           |
| <i>Echinacea angustifolia</i> Narrow Leaf Purple-Coneflower; Echinacea; Narrow Leaf Echinacea   | 3           |           |
| <i>Elaeis oleifera</i> American Oil Palm  | 1           |           |
| <i>Elaeis guineensis</i> African Oil Palm   | 2           |           |
| <i>Elettaria cardamomum</i> Cardamom  | 18          | 389150.0  |
| <i>Eleutherococcus senticosus</i> Siberian Ginseng; Eleuthero Ginseng; Ci wu jia (Pinyin); Spiny Ginseng; Wu jia  | 1           |           |
| <i>Elsholtzia polystachya</i> Bush Mint   | 11          |           |
| <i>Elsholtzia pilosa</i> Hairy Mint Shrub   | 9           |           |
| <i>Elsholtzia nipponica</i> Hsiang Ju   | 2           |           |
| <i>Elsholtzia eriostachya</i> 'Dwarf' Bush Mint   | 2           |           |
| <i>Elsholtzia densa</i>   | 1           |           |
| <i>Elsholtzia cristata</i> Furan Chemotype  | 6           |           |
| <i>Elsholtzia blanda</i> Bantulsi; Bantaluki  | 9           |           |
| <i>Elytrigia repens</i> Wheatgrass; Quackgrass; Couchgrass; Twitchgrass; Doggrass   | 5           |           |
| <i>Ephedra sinica</i> Ma Huang; Chinese Ephedra   | 9           |           |
| <i>Equisetum arvense</i> Field Horsetail; Horsetail   | 3           |           |
| <i>Eriobotrya japonica</i> Loquat   | 2           |           |
| <i>Eriodictyon californicum</i> Consumptive's Weed; California Yerba Santa; Mountain Balm; Gum Bush; Tarweed; Bear's Weed; Yerba Santa; Hierba Santa; Holy Herb | 1           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Eruca sativa</i> Bou kahli (Arab.; BOU); Dua (Kumaon; DEP); Sarshapa (Sansk.; KAB); Siddartha (Sansk.; DEP; SKJ); Sfed sarson (Hindi; MPI); Arugula (Eng.; FAC; USN); Rajakshavaka (Sansk.; KAB); Sahwan (Nwp.; KAB); Shiltam (Arab.; BOU); Lamba (India; USN); Senfrauke (Ger.; USN); Mulai (Loralai; KAB); Rocket (Eng.; BOU); Garden Rocket (Eng.; USN); Taramira (India; Nwp.); Lalu (Nwp.; KAB); Roquette cultivee (Fr.; KAB); Rajika (Sansk.; KAB); Jamnia (Punjab; DEP); Thorfel (Berber; BOU); Sarishapa (Sansk.; KAB); Jambeho (Sind.; KAB); Shwetsursha (Bengal; SKJ); Oruga comun (Sp.; USN); Rugula (Eng.; USN); Jambeh (Iran; DEP; KAB); Rakshitaphala (Sansk.; KAB); Aruca (Malta; KAB); Ai'afein (Arab.; BOU); Mandao (Afg.; DEP; KAB); Tantuka (Sansk.; KAB); Grahagna (Sansk.; KAB); Eihukan (Iran; NAD); Uragandha (Sansk.; KAB); Roquette des jardins (Fr.;KAB); Baglet (Arab.; BOU); Eruca (Malta; KAB); Olrauke (Ger.; USN); Chara (Kumaon; DEP); Djerdjir (Arab.; BOU); Rocket Salad (Eng.; USN); Oroth (Bible; EB52:394); Roqueta (Sp.; USN); Jambho (Sind.; DEP); Rucheta (Malta; KAB); Kerkas (Arab.; BOU); Roquette (Eng.; Fr.; BOU); Piao erh ts'ai (Chi.; TAN); Gargir (Arab.; Hebrew; BOU); Salad Rocket (Eng.; USN); Bhutaghna (Sansk.; SKJ); Euzomon (Greece; EB54:155); Suffed shorshi (Bengal; DEP); Ai'sha (Arab.; BOU); Horf (Arab.; BOU); Izgin (Turkey; EB54:155); Kadamba (Sansk.; KAB); Ruke (Ger.; USN); Sidhaprayojana (Sansk.; KAB); Tanakfail (Berber; BOU); Gery (Arab.; BOU); Tara (Nwp.; Punjab; KAB; SKJ); Rucola (It.; Malta; Sp.); Kadambaka (Sansk.; KAB); Tira (Nwp.; DEP; KAB); Sidharta (Sansk.; KAB); Ackerrauke (Ger.; MAD); Kibana suzushiro (Jap.; TAN); Tuverika (Sansk.; KAB); Bimbata (Sansk.; KAB); Jamba (India); Duan (Nwp; KAB); Ruca (Catalan; KAB); Achnef (Berber; BOU); Rabano silvestre (It.; Port.); Daradharsha (Sansk.; KAB); Rawk (Arab.; BOU); Roquette vraie (Fr.; BOU); Rouka (Arab.; BOU); Tantubha (Sansk.; KAB); Assu (Punjab; SKJ) | 6           |           |
| <i>Eryngium foetidum</i> Stinkweed; False Coriander; Stinkdistel (Ger.); Cilantro; Culantro; Shadow-Beni  | 4           |           |
| <i>Erythrina crista-galli</i> Cockspur Coral Tree   | 1           | 170000.0  |
| <i>Erythroxyllum monogynum</i> Bastard sandal; Red cedar  | 1           |           |
| <i>Eschscholzia californica</i> California Poppy  | 2           |           |
| <i>Eucalyptus viridis</i>   | 10          |           |
| <i>Eucalyptus tetraptera</i>  | 8           |           |
| <i>Eucalyptus tereticornis</i>  | 13          |           |
| <i>Eucalyptus stoatei</i>   | 8           |           |
| <i>Eucalyptus sparsa</i>  | 10          |           |
| <i>Eucalyptus</i> sp Gum  | 4           |           |
| <i>Eucalyptus sideroxylon</i>   | 13          |           |
| <i>Eucalyptus siderophloia</i>  | 15          |           |
| <i>Eucalyptus saligna</i>   | 12          |           |
| <i>Eucalyptus punctata</i>  | 13          |           |
| <i>Eucalyptus porosa</i>  | 10          |           |
| <i>Eucalyptus populnea</i>  | 11          |           |
| <i>Eucalyptus polyanthemos</i>  | 15          |           |
| <i>Eucalyptus paniculata</i>  | 7           |           |
| <i>Eucalyptus oviformis</i>   | 15          |           |
| <i>Eucalyptus odorata</i>   | 10          |           |
| <i>Eucalyptus ochrophloia</i>   | 10          |           |
| <i>Eucalyptus occidentalis</i>  | 15          |           |
| <i>Eucalyptus nova-anglica</i> New England 'peppermint'   | 6           |           |
| <i>Eucalyptus moluccana</i>   | 15          |           |
| <i>Eucalyptus melliodora</i>  | 15          |           |
| <i>Eucalyptus melanophloia</i>  | 10          |           |
| <i>Eucalyptus maideni</i>   | 15          |           |
| <i>Eucalyptus maculata</i> Gum  | 13          |           |
| <i>Eucalyptus leucoxydon</i>  | 10          |           |
| <i>Eucalyptus largisparsa</i>   | 10          |           |
| <i>Eucalyptus lansdowneana</i>  | 9           |           |
| <i>Eucalyptus intertexta</i>  | 10          |           |



| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Eucalyptus incrassata</i>  | 8           |           |
| <i>Eucalyptus globulus</i> Tasmanian Bluegum; Blue Gum; Eucalypt  | 18          | 63270.0   |
| <i>Eucalyptus forrestiana</i>   | 8           |           |
| <i>Eucalyptus fasciculosa</i>   | 10          |           |
| <i>Eucalyptus erythrandra</i>   | 8           |           |
| <i>Eucalyptus dolichorhyncha</i>  | 8           |           |
| <i>Eucalyptus diversicolor</i>  | 15          |           |
| <i>Eucalyptus desquamata</i>  | 10          |           |
| <i>Eucalyptus dealbata</i>  | 15          |           |
| <i>Eucalyptus cuprea</i>  | 10          |           |
| <i>Eucalyptus cladocalyx</i>  | 15          |           |
| <i>Eucalyptus citriodora</i> Lemon Eucalyptus; Spotted Gum; Citron-Scented Gum; Lemon-Scented Gum   | 19          | 57820.0   |
| <i>Eucalyptus ceratocorys</i>   | 8           |           |
| <i>Eucalyptus camaldulensis</i>   | 15          |           |
| <i>Eucalyptus bridgesiana</i> Bridges' Eucalyptus   | 7           |           |
| <i>Eucalyptus brassiana</i> Brasses' Eucalyptus   | 14          |           |
| <i>Eucalyptus botryoides</i>  | 15          |           |
| <i>Eucalyptus bosistoana</i>  | 15          |           |
| <i>Eucalyptus blakelyi</i>  | 13          |           |
| <i>Eucalyptus behriana</i>  | 10          |           |
| <i>Eucalyptus astringens</i>  | 15          |           |
| <i>Eucalyptus angulosa</i>  | 8           |           |
| <i>Eucalyptus albens</i>  | 15          |           |
| <i>Eucommia ulmoides</i> Gutta-Percha Tree; Tu Chung; Du Zhong  | 2           |           |
| <i>Eugenia uniflora</i> Surinam Cherry; Pitanga   | 1           |           |
| <i>Euodia rutaecarpa</i> Wou Chou Yu  | 1           |           |
| <i>Euonymus atropurpureus</i> Wahoo; Burning Bush   | 2           |           |
| <i>Eupatorium triplinerve</i> Triplinerved eupatorium   | 3           |           |
| <i>Eupatorium perfoliatum</i> Boneset   | 1           |           |
| <i>Euphorbia tirucalli</i> Aveloz   | 2           | 148000.0  |
| <i>Euphorbia lathyris</i> Mole Plant; Caper Spurge  | 1           | 731000.0  |
| <i>Euphorbia hirta</i> Queensland Asthma Herb   | 1           |           |
| <i>Fagopyrum esculentum</i> Buckwheat   | 3           | 264800.0  |
| <i>Ferula jaeschkeana</i> Jaechke's Ferula  | 1           | 988.0     |
| <i>Ferula gummosa</i> Galbanum  | 6           |           |
| <i>Ferula assa-foetida</i> Stinkasant (Ger.); Asafetida; Asafetida (Sp.); test; Assa-foetida; Devil's Dung; Asafoetida                                | 4           | 1200.0    |
| <i>Ficus carica</i> Fig; Echte Feige (Ger.); Higo (Sp.); Figueira (Port.); Higuera Comun (Sp.); Figuier Commun (Fr.); Fico (Ital.); Feigenbaum (Ger.) | 21          | 140236.0  |
| <i>Filipendula ulmaria</i> Meadowsweet; Queen Of The Meadow   | 2           |           |
| <i>Foeniculum vulgare</i> Fennel  | 22          | 281908.0  |
| <i>Fragaria</i> spp Strawberry  | 5           | 60386.0   |
| <i>Frangula alnus</i> Buckthorn   | 1           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Fucus vesiculosus</i> Bladderwrack; Kelp   | 1           |           |
| <i>Galeopsis tetrahit</i> Hemp Nettle   | 1           | 80.0      |
| <i>Galium odoratum</i> Waldmeister; Woodruff  | 1           |           |
| <i>Ganoderma lucidum</i> Ling Zhi; Reishi   | 1           |           |
| <i>Garcinia mangostana</i> Mangostin; Mangosteen  | 1           |           |
| <i>Garcinia cambogia</i> Garcinia; Brindleberry; Malabar Tamarind   | 1           |           |
| <i>Gardenia jasminoides</i> Gardenia; Zhi Zi; Shan-Chih-Tzu; Shan-Zhi-Zi; Cape Jasmine; Jasmin  | 3           |           |
| <i>Gastrodia elata</i> Tian Ma  | 1           |           |
| <i>Geranium thunbergii</i> Gennoshiouko; Oriental Geranium  | 1           |           |
| <i>Ginkgo biloba</i> Ginkgo; Maidenhair Tree  | 10          | 22836.0   |
| <i>Glaucium flavum</i> Horned Poppy   | 2           |           |
| <i>Glechoma hederacea</i> Alehoof   | 10          | 186.0     |
| <i>Gloriosa superba</i> Glory Lily  | 1           |           |
| <i>Glycine max</i> Soybean  | 9           | 268172.0  |
| <i>Glycyrrhiza uralensis</i> Chinese Licorice; Gan-Cao; Kan-Tsao  | 1           |           |
| <i>Glycyrrhiza glabra</i> Licorice-Root; Smooth Licorice; Commom Licorice; Licorice   | 14          | 8.0       |
| <i>Gossypium</i> sp Cotton  | 5           | 122540.0  |
| <i>Guaiacum</i> sp. Guaiac  | 3           |           |
| <i>Haematoxylum campechianum</i> Campechy; Logwood  | 1           |           |
| <i>Hamamelis virginiana</i> Witch Hazel   | 1           | 20.0      |
| <i>Harpagophytum procumbens</i> Devil's Claw; Grapple Plant   | 1           |           |
| <i>Hedeoma reverchonii</i> Reverchon's Pennyroyal   | 9           | 11884.0   |
| <i>Hedeoma pulegioides</i> American Pennyroyal  | 10          | 2640.0    |
| <i>Hedeoma hispida</i> Hispid Pennyroyal  | 7           | 1876.0    |
| <i>Hedeoma drummondii</i> Drummond's Pennyroyal   | 10          | 34360.0   |
| <i>Hedera helix</i> Ivy   | 1           | 140400.0  |
| <i>Hedychium flavum</i> Yellow Ginger Lily  | 6           |           |
| <i>Helianthus annuus</i> Sunflower; Girasol   | 18          | 563601.8  |
| <i>Helichrysum angustifolium</i> Everlasting; Immortelle  | 4           |           |
| <i>Hesperis matronalis</i> Sweet Rocket; Damask-Violet; Dame's-Violet; Dame's Rocket  | 6           |           |
| <i>Hibiscus sabdariffa</i> Acedera de Guinea (Sp.); Sereni (Sp.); Rosella (Ger.); Kharkadi; Red Sorrel; Rosa de Jamaica (Sp.); Sorrel; Jamaica Sorrel; Indian Sorrel; Malventee (Ger.); Roselle | 15          | 340000.0  |
| <i>Hippophae rhamnoides</i> Sallow Thorn; Yellow Spine; Sea Buckthorn   | 2           |           |
| <i>Holarrhena pubescens</i> Conessi; Zhi Xie Mu; Kurchi; Tellicherry Bark   | 1           | 126000.0  |
| <i>Hordeum vulgare</i> Barleygrass; Barley  | 3           | 29159.0   |
| <i>Houttuynia cordata</i> Yu Xing Cao; Fishwort; Dokudami   | 9           |           |
| <i>Humulus lupulus</i> Hops   | 10          | 7.4       |
| <i>Hyacinthus orientalis</i> Hyacinth   | 7           | 300.84    |
| <i>Hydnocarpus wightiana</i> Hindi Chaulmoogra  | 1           | 82220.0   |
| <i>Hydnocarpus kurzii</i> True Chaulmoogra  | 1           | 146000.0  |
| <i>Hyoscyamus niger</i> Henbane   | 2           | 273856.0  |
| <i>Hypericum perforatum</i> Goatweed; Common St. Johnswort; Klamath Weed; St. John's-wort; Hypericum  | 12          |           |
| <i>Hyptis verticillata</i> John Charles; Barrehorn  | 1           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Hyptis suaveolens</i> Wild Hops  | 14          | 11240.0   |
| <i>Hyssopus officinalis</i> Hyssop  | 17          | 27952.0   |
| <i>Ilex paraguariensis</i> South American Holly; Paraguay Tea; Mate   | 3           |           |
| <i>Illicium verum</i> anis estrellado (Sp.); Star Anise; Chinesischer Sternanis (Ger.); Chinese Star Anise; Sternanis (Ger.); anis de China (Sp.) | 17          | 31812.0   |
| <i>Inula helenium</i> Elecampane  | 1           |           |
| <i>Ipomoea batatas</i> Sweet Potato   | 3           | 3620.0    |
| <i>Iris x germanica</i> Orris   | 5           |           |
| <i>Iris versicolor</i> Blue Flag  | 1           |           |
| <i>Isanthus brachiatus</i> False Pennyroyal   | 7           | 1860.0    |
| <i>Isatis tinctoria</i> Dyer's Woad   | 1           | 207360.0  |
| <i>Jasminum officinale</i> Poet's Jessamine; Jasmine  | 5           | 5456.28   |
| <i>Jatropha gossypifolia</i> Spanish Physic Nut   | 1           |           |
| <i>Jatropha curcas</i> Physic Nut; Purging Nut  | 1           | 399360.0  |
| <i>Juglans regia</i> English Walnut   | 4           | 420600.0  |
| <i>Juglans nigra</i> Black Walnut   | 3           |           |
| <i>Juglans cinerea</i> Butternut  | 2           | 429898.0  |
| <i>Juniperus virginiana</i> Red Cedar   | 8           | 31500.0   |
| <i>Juniperus sabina</i> Sabine  | 8           |           |
| <i>Juniperus oxycedrus</i> Spanish Cedar; Cade; Cade Oil; Prickly Juniper; Brown Juniper  | 1           |           |
| <i>Juniperus communis</i> Juniper; Common Juniper   | 22          | 30498.0   |
| <i>Justicia adhatoda</i> Malabar Nut  | 1           | 257500.0  |
| <i>Kaempferia galanga</i> Maraba; Galanga   | 2           |           |
| <i>Kalanchoe pinnata</i> Siempre Viva; Air Plant  | 3           |           |
| <i>Kalanchoe daegrimontiana</i> Devil's-Backbone  | 1           |           |
| <i>Lablab purpureus</i> Hyacinth Bean; Bonavist Bean; Lablab Bean   | 1           | 15664.0   |
| <i>Lachnanthes tinctoria</i> Redroot  | 1           |           |
| <i>Lactuca virosa</i> Bitter Lettuce  | 2           | 20000.0   |
| <i>Lactuca scariola</i> Prickly Lettuce   | 4           | 275124.0  |
| <i>Lactuca sativa</i> Lettuce   | 4           | 8272.0    |
| <i>Lagenaria siceraria</i> White-Flowered Gourd; Calabash Gourd   | 1           | 194120.0  |
| <i>Lantana camara</i> Lantana; Wild Sage  | 15          | 3680.0    |
| <i>Larrea tridentata</i> Creosote Bush; Chaparral   | 2           |           |
| <i>Laurus nobilis</i> Bayleaf; Bay Laurel; Grecian Laurel; Laurel; Bay; Sweet Bay   | 21          | 55426.0   |
| <i>Lavandula x intermedia</i> Dutch Lavender; Lavandin  | 19          | 8532.0    |
| <i>Lavandula x hybrida</i> Hybrid Lavender  | 11          |           |
| <i>Lavandula sp</i> Lavender  | 2           |           |
| <i>Lavandula latifolia</i> Broad-Leaved Lavender; Spike Lavender; Aspic   | 16          | 19064.0   |
| <i>Lavandula angustifolia</i> English Lavender  | 14          |           |
| <i>Lawsonia inermis</i> Mignonette; Jamaica-Mignonette; Mignonette Tree; Henna  | 1           | 84720.0   |
| <i>Ledum palustre</i> Marsh Tea; Wild Rosemary  | 4           |           |
| <i>Lens culinaris</i> Lentil  | 3           | 21494.0   |
| <i>Lentinus edodes</i> Shiitake   | 1           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Leonotis nepetaefolia</i> Catnipleaf Lion's-Ear  | 1           | 490960.0  |
| <i>Leonotis leonurus</i> Lion's Ear   | 6           |           |
| <i>Leonurus cardiaca</i> Motherwort   | 5           | 464.0     |
| <i>Lepechinia schiediana</i> Schiede's Lepechinia   | 3           | 6800.0    |
| <i>Lepechinia calycina</i> Epling's Lepechinia  | 12          | 7640.0    |
| <i>Lepidium sativum</i> Garden Cress  | 3           | 373910.0  |
| <i>Lepidium meyenii</i> Maca; Peruvian Ginseng  | 1           |           |
| <i>Leptospermum polygalifolium</i>  | 1           |           |
| <i>Levisticum officinale</i> Lovage   | 20          | 1260.0    |
| <i>Ligustrum lucidum</i> Ligustri Fructus; Privet; Chinese Privet; White Waxtree; Glossy Privet | 1           |           |
| <i>Ligustrum japonicum</i> Ligustri Fructus; Japanese Privet                                    | 4           |           |
| <i>Lindera benzoin</i> Fieberstrauch (Ger.); Wild Allspice; Benjamin Bush; Spicebush            | 10          |           |
| <i>Linum usitatissimum</i> Flax; Linseed  | 1           | 240000.0  |
| <i>Lippia graveolens</i> Oregano  | 2           |           |
| <i>Lippia dulcis</i> Sweet Herb   | 1           |           |
| <i>Lippia alba</i> White Lippia   | 4           |           |
| <i>Liquidambar styraciflua</i> American Styrax; Sweetgum  | 5           |           |
| <i>Liquidambar orientalis</i> Oriental Storax; Oriental Styrax                                  | 3           |           |
| <i>Litsea glaucescens</i> Mexican bay   | 8           |           |
| <i>Lobelia inflata</i> Lobelia; Indian Tobacco  | 1           |           |
| <i>Lonicera japonica</i> Japanese Honeysuckle   | 5           |           |
| <i>Luffa aegyptiaca</i> Luffa; Vegetable Sponge; Smooth Loofah                                  | 2           | 299600.0  |
| <i>Lupinus albus</i> White Lupine   | 6           | 167430.0  |
| <i>Lycopersicon esculentum</i> Tomato   | 17          | 10774.0   |
| <i>Lycopodium clavatum</i> Antler Herb; Clubmoss  | 1           | 600000.0  |
| <i>Lycopus virginicus</i> Bugle   | 6           | 2604.0    |
| <i>Lycopus uniflorus</i> One-Flowered Bugle   | 5           | 658.0     |
| <i>Lycopus europeus</i> European Bugle  | 1           | 250.0     |
| <i>Macadamia spp</i> Macadamia  | 2           | 2191780.0 |
| <i>Macleaya cordata</i> Plume Poppy   | 1           |           |
| <i>Maclura pomifera</i> Hedge Apple; Osage-Orange   | 2           |           |
| <i>Magnolia officinalis</i> Chinese Magnolia; Hou Pu; Magnolia-Bark                             | 2           |           |
| <i>Magnolia kobus</i> Hsin-I; Xin-Yi  | 5           |           |
| <i>Magnolia fargesii</i> Xin-Yi; Hsin-I   | 3           |           |
| <i>Magnolia denudata</i> Xin-Yi; Hsin-I   | 8           |           |
| <i>Malus domestica</i> Apple  | 16          | 3621.0    |
| <i>Mammea americana</i> Mamey   | 1           |           |
| <i>Mangifera indica</i> Mango   | 9           | 17544.0   |
| <i>Manihot esculenta</i> Yuca; Cassava; Tapioca   | 3           | 13542.0   |
| <i>Marrubium vulgare</i> White Horehound; Horehound   | 4           |           |
| <i>Matricaria recutita</i> Wild Camomile; Annual Camomile; German Camomile                      | 5           |           |
| <i>Medicago sativa</i> Lucerne; Alfalfa   | 6           |           |

| Plant   | # Chemicals | Total PPM          |
|---|-------------|--------------------|
| Melaleuca viridiflora Niaouli; Broad-Leaf Tea-Tree  | 3           |                    |
| Melaleuca sp Tea-Tree   | 1           |                    |
| Melaleuca linariifolia Paperbark Tea_tree   | 7           |                    |
| Melaleuca leucadendra Cajeput   | 4           |                    |
| Melaleuca cajuputi Vietnamese Cajuput Oil   | 6           |                    |
| Melaleuca bracteata Bracteate Tea-Tree  | 3           |                    |
| Melaleuca alternifolia Teatree  | 12          |                    |
| Meleleuca howeana   | 1           |                    |
| Melia azedarach Chinaberry  | 5           |                    |
| Melissa officinalis Lemonbalm; Melissa; Bee Balm; Balm  | 8           | 2918.0             |
| Mentha x rotundifolia Applemint   | 7           | 4040.0             |
| Mentha x piperita Peppermint  | 20          | 34080.861999999994 |
| Mentha spicata Spearmint; Hortela da Folha Miuda  | 28          | 69576.0            |
| Mentha sp Mint  | 2           |                    |
| Mentha pulegium European Pennyroyal   | 18          | 57272.0            |
| Mentha longifolia Biblical Mint   | 16          | 62731.0            |
| Mentha japonica   | 1           |                    |
| Mentha arvensis var. piperascens Field Mint; Japanese Mint; Cornmint                            | 15          | 109653.0           |
| Mentha aquatica Water Mint  | 13          | 11289.0            |
| Menyanthes trifoliata Buckbean; Bog Myrtle; Bogbean; Marsh Clover; Water Trefoil; Marsh Trefoil | 1           |                    |
| Mercurialis annua Annual Mercury  | 2           |                    |
| Micromeria varia Madeiran 'Hyssop'  | 8           |                    |
| Micromeria thymifolia   | 9           |                    |
| Micromeria teneriffae   | 10          |                    |
| Micromeria myrtifolia Topukcayi; Dagcayi; Haydarotu   | 13          |                    |
| Micromeria juliana  | 10          |                    |
| Micromeria fruticosa Tasnanesi  | 13          |                    |
| Micromeria dalmatica  | 4           |                    |
| Micromeria croatica   | 9           |                    |
| Micromeria congesta Kaya Yarpuzu  | 11          |                    |
| Mimosa pudica Sensitive Plant   | 1           | 105400.0           |
| Minthostachys mollis Tipo; Muna   | 5           |                    |
| Moldavica thymiflora Thyme-Flowered Moldavica   | 6           |                    |
| Moldavica parviflora Small-Flowered Moldavica   | 2           |                    |
| Momordica charantia Sorosi; Bitter Melon  | 3           | 154762.0           |
| Monarda russeliana Russel's Monarda   | 6           | 7292.0             |
| Monarda punctata Horsemint  | 10          | 123972.0           |
| Monarda media Mean Monarda  | 8           | 16022.0            |
| Monarda lindheimeri Lindheimer's Monarda  | 7           | 18328.0            |
| Monarda fistulosa Wild Bergamot   | 11          | 154930.0           |
| Monarda didyma Oswego Tea; Beebalm  | 11          | 19428.0            |
| Monarda clinopodia Clinopod Bergamot  | 6           | 4206.0             |

| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| <i>Monarda citriodora</i> Lemon Mint   | 10          | 21304.0   |
| <i>Morinda citrifolia</i> Indian Mulberry; Noni  | 5           |           |
| <i>Moringa oleifera</i> Jacinto (Sp.); Drumstick Tree; Moringa; Ben Nut; Horseradish Tree; West Indian Ben; Benzolive Tree                                   | 4           |           |
| <i>Morus alba</i> White Mulberry; Sang-Pai-Pi  | 12          |           |
| <i>Mucuna pruriens</i> Cowage; Velvetbean  | 1           | 22800.0   |
| <i>Murraya</i> sp None   | 6           | 10480.0   |
| <i>Murraya koenigii</i> Curry Leaf; Indian Curry Tree; Curry Leaf Tree   | 13          |           |
| <i>Musa x paradisiaca</i> Plantain; Banana   | 12          | 15842.0   |
| <i>Myrciaria dubia</i> Araza de Agua (Sp.); Guapuro Blanco (Bol.); Camu-camu Negro (Peru); Rumberry (Eng.); Camu-camu (Eng.,Peru,Scn.,Sp.); Camo Camo (Peru) | 7           |           |
| <i>Myrica cerifera</i> Candle-Berry; Wax Myrtle; Southern Bayberry; Bayberry   | 4           |           |
| <i>Myristica fragrans</i> nuez moscada (Sp.); Muskatnussbaum (Ger.); Mace; Nutmeg; nogal moscado (Sp.)   | 18          | 521040.0  |
| <i>Myroxylon balsamum</i> Peru Balsam; Tolu Balsam   | 10          |           |
| <i>Myrrhis odorata</i> Myrrh; Sweet Chervil; Cicely; Sweet Cicely; Garden Myrrh  | 4           |           |
| <i>Myrtus communis</i> Mirto (Sp.); Arrayan (Sp.); Myrte (Ger.); Myrtle  | 21          | 8996.0    |
| <i>Narcissus tazetta</i> Daffodil  | 2           | 2230.0    |
| <i>Nardostachys jatamansi</i> Spikenard; Indian Nard   | 4           |           |
| <i>Nelumbo nucifera</i> Water Lotus  | 2           | 13312.0   |
| <i>Nepeta racemosa</i> Catmint   | 14          |           |
| <i>Nepeta cilicia</i> Cilician Catmint   | 1           |           |
| <i>Nepeta cataria</i> Catnip   | 8           | 3790.0    |
| <i>Nerium oleander</i> Oleander  | 4           |           |
| <i>Nicotiana tabacum</i> Tobacco   | 15          | 245000.0  |
| <i>Nigella sativa</i> Nutmeg-Flower; Fennel-Flower; Black Caraway; Roman Coriander; Black Cumin  | 2           | 369824.0  |
| <i>Ocimum tenuiflorum</i> Anise-Scented Basil  | 13          |           |
| <i>Ocimum suave</i> Kenyan Tree Basil  | 2           |           |
| <i>Ocimum</i> sp Basil   | 1           |           |
| <i>Ocimum sanctum</i> Tulsi; Holy Basil  | 3           |           |
| <i>Ocimum kilimandscharicum</i> African Blue Basil; Kenyan Perennial Basil   | 8           |           |
| <i>Ocimum gratissimum</i> Shrubby Basil; Agbo  | 19          |           |
| <i>Ocimum canum</i> Hoary Basil  | 6           |           |
| <i>Ocimum basilicum</i> Cuban Basil; Sweet Basil; Basil  | 24          | 33040.2   |
| <i>Oenanthe javanica</i> Javan Water Dropwort  | 3           |           |
| <i>Oenanthe crocata</i> Water Dropwort   | 1           |           |
| <i>Oenanthe aquatica</i> Water Hemlock; Water Fennel   | 1           |           |
| <i>Oenothera biennis</i> Evening-Primrose  | 1           | 100000.0  |
| <i>Olea europaea</i> Olive   | 1           | 652800.0  |
| <i>Ononis spinosa</i> Restharrow; Hauhechel (Ger.); Spiny Restharrow   | 3           |           |
| <i>Opuntia ficus-indica</i> Prickly Pear; Nopal; Nopalito; Indian Fig  | 6           | 55360.0   |
| <i>Origanum vulgare</i> Slender Turkish Oregano  | 20          | 38860.0   |
| <i>Origanum syriacum</i> Za'Atar   | 13          |           |
| <i>Origanum sipyleum</i> Guveyoto; Bayircayi   | 14          |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Origanum onites</i> Oregano; Pot Marjoram  | 18          | 18908.0   |
| <i>Origanum minutiflorum</i> Small-Flowered Oregano   | 13          |           |
| <i>Origanum majorana</i> Marjoram; Sweet Marjoram   | 16          | 63218.0   |
| <i>Origanum creticum</i> Dittany Of Crete   | 2           |           |
| <i>Oryza sativa</i> Rice  | 3           | 216292.0  |
| <i>Pachira aquatica</i> Provision Tree  | 1           | 498800.0  |
| <i>Pachyrhizus erosus</i> Yambean   | 1           |           |
| <i>Panax quinquefolius</i> American Ginseng; Ginseng  | 9           | 6052.0    |
| <i>Panax ginseng</i> Chinese Ginseng; Korean Ginseng; Oriental Ginseng; Ginseng   | 8           |           |
| <i>Papaver somniferum</i> Opium Poppy; Poppseed Poppy   | 6           | 216144.0  |
| <i>Papaver bracteatum</i> Great Scarlet Poppy   | 1           | 88320.0   |
| <i>Paris quadrifolia</i> Herb Paris   | 1           |           |
| <i>Parthenocissus quinquefolia</i> Five-leaf-ivy; Virginia-creeper; American-ivy; Woodbine; Amerika-zuta (Jap.)   | 3           |           |
| <i>Passiflora incarnata</i> Manzana de Mayo; Mayapple; Passionflower  | 2           |           |
| <i>Passiflora edulis</i> Passionfruit; Maracuya   | 2           |           |
| <i>Pastinaca sativa</i> Parsnip   | 9           | 327350.0  |
| <i>Pavonia odorata</i> Hina plant   | 1           |           |
| <i>Pelargonium roseum</i> Scented Geranium  | 5           |           |
| <i>Pelargonium graveolens</i> Scented Geranium; Rose Geranium   | 3           | 6056.0    |
| <i>Pelargonium citrosum</i> Citrosa   | 7           |           |
| <i>Peperomia pelucida</i> Yerba de la plata; Pepper elder   | 2           |           |
| <i>Perilla frutescens</i> Perilla   | 4           |           |
| <i>Persea americana</i> Avocado   | 5           | 2129600.0 |
| <i>Petasites japonicus</i> Butterbur  | 3           |           |
| <i>Petasites hybridus</i> European Butterbur  | 2           |           |
| <i>Petroselinum crispum</i> Parsley   | 17          | 303973.8  |
| <i>Peucedanum ostruthium</i> Masterwort   | 4           | 13440.0   |
| <i>Peumus boldus</i> Boldo  | 16          | 101139.0  |
| <i>Phaseolus vulgaris</i> Haricot; Haricot Vert; String Bean; Flageolet Bean; Black Bean; Garden Bean; Kidney Bean; Pop Bean; Green Bean; Popping Bean; Dwarf Bean; Snap Bean; Wax Bean; Haricot Bean; Field Bean; French Bean; Navy Bean | 4           | 24778.0   |
| <i>Phaseolus lunatus</i> Butter Bean; Lima Bean   | 2           | 6720.0    |
| <i>Phellodendron amurense</i> Amur Cork Tree; Huang Po; Huang Bai; Po Mu  | 1           |           |
| <i>Phoenix dactylifera</i> Date Palm  | 4           | 102000.0  |
| <i>Phragmites australis</i> Ditch Reed; Reed Grass; Common Reed; Giant Reed   | 1           |           |
| <i>Phyllanthus niruri</i> Seed On The Leaf  | 1           |           |
| <i>Phyllanthus emblica</i> Emblic; Myrobalan  | 1           | 90880.0   |
| <i>Physalis peruviana</i> Cape Gooseberry; Ground Cherry  | 3           | 97420.0   |
| <i>Physalis ixocarpa</i> Tomatillo  | 2           | 24452.0   |
| <i>Physostigma venenosum</i> Calabar Bean   | 1           |           |
| <i>Phytolacca americana</i> Pokeweed  | 1           |           |
| <i>Picea mariana</i> Black Spruce   | 1           | 322.0     |
| <i>Picea glauca</i> White Spruce  | 2           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Pilocarpus microphyllus</i> Maranhao Jaborandi   | 3           | 1100.0    |
| <i>Pilocarpus jaborandi</i> Indian Hemp; Pernambuco Jaborandi   | 3           | 5000.0    |
| <i>Pimenta racemosa</i> Bayrum Tree; West Indian Bay  | 13          | 110025.0  |
| <i>Pimenta dioica</i> Jamaica-Pepper; Pimento; Pimenta; Allspice; Clover-Pepper   | 15          | 96863.0   |
| <i>Pimpinella anisum</i> Sweet Cumin; Anise   | 13          | 62348.0   |
| <i>Pinellia ternata</i> Pan-Hsia; Ban-Xia   | 1           |           |
| <i>Pinus walliciana</i> Bhutan Pine   | 8           |           |
| <i>Pinus sylvestris</i> Scotch Pine   | 16          | 8000.0    |
| <i>Pinus roxburghii</i> Chir Pine; Himalayan Longleaf   | 3           |           |
| <i>Pinus pinea</i> Italian Stone Pine; Pignolia   | 2           |           |
| <i>Pinus palustris</i> Longleaf Pine  | 4           | 480500.0  |
| <i>Pinus mugo</i> Dwarf Pine; Swiss Mountain Pine   | 6           |           |
| <i>Pinus kesiya</i> Khasi Pine  | 2           |           |
| <i>Pinus insularis</i> Khasi Pine   | 2           |           |
| <i>Pinus gerardiana</i> Chilgoza Pine   | 3           |           |
| <i>Pinus elliottii</i> Slash Pine   | 4           |           |
| <i>Pinus edulis</i> Pinyon Pine   | 2           |           |
| <i>Piper nigrum</i> White Pepper; Pepper; Black Pepper  | 21          | 98618.0   |
| <i>Piper methysticum</i> Kava-Kava  | 1           |           |
| <i>Piper cubeba</i> Cubeb; Cubeb Pepper   | 12          | 23200.0   |
| <i>Piper betel</i> Betel Pepper   | 5           | 52500.0   |
| <i>Piper auritum</i> Hierba Santa; Hoja Santa; Cordoncillo  | 13          |           |
| <i>Piscidia piscipula</i> Jamaica Dogwood   | 1           |           |
| <i>Pistacia vera</i> Pistachio  | 2           | 1459182.0 |
| <i>Pistacia lentiscus</i> Mastictree; Chios Mastictree; Mastic; Lentisco (Sp.); Mastixbaum (Ger.)   | 4           |           |
| <i>Pisum sativum</i> Pea  | 6           | 15052.0   |
| <i>Plantago psyllium</i> Psyllium   | 2           | 7056.0    |
| <i>Plantago ovata</i> Blond Psyllium; Ispaghula; Psyllium; Spogel Seeds; Indian Plantago  | 1           | 38940.0   |
| <i>Plantago major</i> Common Plantain   | 2           | 148000.0  |
| <i>Plantago asiatica</i> Asian Plantain   | 2           |           |
| <i>Plectranthus incanus</i> Lal Agada   | 1           |           |
| <i>Plectranthus coleoides</i>   | 1           |           |
| <i>Plectranthus amboinicus</i> Indian Borage; Soup Mint; Cuban Oregano; Country Borage; Amboini Coleus; Spanish Thyme; Mexican Mint; French Thyme | 2           |           |
| <i>Plumeria acutifolia</i> Frangipani   | 1           |           |
| <i>Podophyllum pleianthum</i> Chinese Mayapple  | 1           |           |
| <i>Podophyllum peltatum</i> Mayapple  | 2           | 30000.0   |
| <i>Podophyllum hexandrum</i> Himalayan Mayapple   | 1           |           |
| <i>Pogostemon cablin</i> Patchouli  | 7           |           |
| <i>Polianthes tuberosa</i> Tuberose   | 3           |           |
| <i>Polygonum hydropiperoides</i> Mild Water Pepper  | 2           |           |
| <i>Polygonum hydropiper</i> Common Smartweed  | 1           |           |
| <i>Polypodium vulgare</i> Sweet Fern; Common Polypody   | 1           |           |



| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| <i>Populus balsamifera</i> Balsam Poplar   | 1           |           |
| <i>Porophyllum ruderale</i> Quilquinia   | 7           |           |
| <i>Portulaca oleracea</i> Verdolaga; Purslane  | 3           | 147970.0  |
| <i>Prosopis glandulosa</i> Mesquite; Honey Mesquite  | 1           |           |
| <i>Prunella vulgaris</i> Self-Heal; Heal-All   | 5           |           |
| <i>Prunus persica</i> Peach  | 7           | 11040.0   |
| <i>Prunus laurocerasus</i> Cherry Laurel   | 1           | 44040.0   |
| <i>Prunus dulcis</i> Almond  | 7           | 834383.0  |
| <i>Prunus domestica</i> Plum   | 4           | 722118.0  |
| <i>Prunus cerasus</i> Sour Cherry  | 6           | 406864.0  |
| <i>Prunus armeniaca</i> Apricot  | 8           | 827380.0  |
| <i>Psidium guajava</i> Guava   | 9           | 71478.0   |
| <i>Psidium cattleianum</i> Strawberry Guava  | 2           | 11070.0   |
| <i>Psophocarpus tetragonolobus</i> Asparagus Pea; Goa Bean; Winged Bean  | 2           | 325586.0  |
| <i>Psoralea corylifolia</i> Malaya Tea; Black Dot; Babchi  | 2           |           |
| <i>Ptychopetalum olacoides</i> Muira Puama   | 1           |           |
| <i>Pueraria montana</i> Kudzu; Kudsu   | 1           |           |
| <i>Pulsatilla chinensis</i> Chinese Anemone  | 1           |           |
| <i>Punica granatum</i> Pomegranate; Granado (Sp.); Zakuro (Jap.); Romanzeiro (Port.); Granatapfelbaum (Ger.); Grenadier (Fr.); Granatapfelstrauch (Ger.); Mangrano (Sp.) | 4           | 24880.0   |
| <i>Pycnanthemum virginianum</i> Virginia Mountain Mint   | 10          | 39962.0   |
| <i>Pycnanthemum verticillatum</i> Whorled Mountain Mint  | 7           | 1974.0    |
| <i>Pycnanthemum torreyi</i> Torrey's Mountain Mint   | 7           | 740.0     |
| <i>Pycnanthemum tenuifolium</i> Slenderleaf Mountain Mint  | 13          | 35000.0   |
| <i>Pycnanthemum setosum</i> Setose Mountain Mint   | 10          | 25172.0   |
| <i>Pycnanthemum pycnanthemoides</i> Typical Mountain Mint  | 9           | 17400.0   |
| <i>Pycnanthemum pilosum</i> Pilose Mountain Mint   | 8           | 11480.0   |
| <i>Pycnanthemum nudum</i> Nude Mountain Mint   | 2           | 48516.0   |
| <i>Pycnanthemum muticum</i> Muticous Mountain Mint   | 9           | 7200.0    |
| <i>Pycnanthemum montanum</i> Montane Mountain Mint   | 10          | 10976.0   |
| <i>Pycnanthemum loomisii</i> Loomis' Mountain Mint   | 9           | 70140.0   |
| <i>Pycnanthemum incanum</i> Hoary Mountain Mint  | 9           | 5016.0    |
| <i>Pycnanthemum curvipes</i> Curved Mountain Mint  | 5           | 5024.0    |
| <i>Pycnanthemum clinopodioides</i> Clinopod Mountain Mint  | 10          | 25344.0   |
| <i>Pycnanthemum californicum</i> California Mountain Mint  | 7           | 2448.0    |
| <i>Pycnanthemum beadlei</i> Beadle's Mountain Mint   | 9           | 1344.0    |
| <i>Pycnanthemum albescens</i> White Mountain Mint  | 3           | 12042.0   |
| <i>Pyrus communis</i> Pear   | 6           | 20382.0   |
| <i>Quercus suber</i> Cork Oak  | 1           |           |
| <i>Quercus rubra</i> Northern Red Oak  | 1           |           |
| <i>Quisqualis indica</i> Rangoon Creeper   | 3           | 260280.0  |
| <i>Ranunculus bulbosus</i> Bulbous Buttercup   | 1           |           |

| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| Raphanus sativus Radish  | 3           | 12974.0   |
| Ravensara aromatica Ravensara                                    | 11          |           |
| Rhamnus cathartica Buckthorn; European Buckthorn                 | 1           |           |
| Rheum rhabarbarum Rhubarb  | 3           | 48720.0   |
| Rheum palmatum Chinese Rhubarb                                   | 6           |           |
| Rheum officinale Chinese Rhubarb                                 | 2           |           |
| Rhododendron ferrugineum Rusty-Leaved Alpenrose                  | 1           |           |
| Rhododendron dauricum Chinese Alpenrose                          | 3           |           |
| Rhus toxicodendron Poison Ivy                                    | 1           |           |
| Rhus glabra Smooth Sumac   | 1           |           |
| Ribes uva-crispa Gooseberry                                      | 6           | 26008.0   |
| Ribes rubrum Red Currant; White Currant                          | 4           | 43888.0   |
| Ribes nigrum Black Currant                                       | 18          | 76686.0   |
| Ricinus communis Castorbean                                      | 3           |           |
| Robinia pseudoacacia Black Locust                                | 1           | 66500.0   |
| Rosa spp Rose Hips   | 1           |           |
| Rosa rubiginosa Rosa Mosqueta                                    | 1           |           |
| Rosa laevigata Cherokee Rose                                     | 1           |           |
| Rosa gallica French Rose   | 3           | 8.0       |
| Rosa centifolia Cabbage Rose                                     | 1           |           |
| Rosa canina Dogbrier; Dog Rose; Rose                             | 4           | 30000.0   |
| Rosmarinus x mendizabalii Mendizabali's Rosemary                 | 12          |           |
| Rosmarinus x lavandulaceus Lavender Rosemary                     | 12          |           |
| Rosmarinus tomentosus Hairy Rosemary                             | 12          |           |
| Rosmarinus officinalis Rosemary                                  | 25          | 71673.0   |
| Rosmarinus eriocalyx Rosemary                                    | 12          |           |
| Rubus sp.  | 1           |           |
| Rubus idaeus Raspberry; Red Raspberry                            | 11          |           |
| Rubus fruticosus Blackberry                                      | 3           |           |
| Rubus chingii Chinese Raspberry                                  | 2           |           |
| Rumex crispus Yellow Dock; Sour Dock; Lengua De Vaca; Curly Dock | 1           |           |
| Rumex acetosella Sheep Sorrel                                    | 2           |           |
| Rumex acetosa Garden Sorrel                                      | 2           | 6000.0    |
| Ruscus aculeatus Box-Holly; Butcher's Broom                      | 1           |           |
| Ruta graveolens Rue  | 8           |           |
| Salvia triloba Greek Sage  | 6           | 57240.0   |
| Salvia sp. Chia  | 1           |           |
| Salvia sclarea Clary Sage  | 15          | 144086.0  |
| Salvia officinalis Sage  | 19          | 135306.0  |
| Salvia gilliesii 'Cordoba' Sage                                  | 7           |           |
| Salvia dorisiana 'Honduran' Sage                                 | 10          |           |
| Salvia canariensis Canary Island Sage                            | 10          |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Sambucus nigra</i> European Alder; European Elder; Elder; European Elderberry; Black Elder                         | 5           |           |
| <i>Sambucus canadensis</i> Sweet Elder; American Elderberry; Elderberry; American Elder                               | 1           | 25600.0   |
| <i>Sanguinaria canadensis</i> Bloodroot   | 2           | 120000.0  |
| <i>Santalum album</i> White Sandalwood  | 5           |           |
| <i>Santalum acuminatum</i> Quandong Nut; Quandong; Sweet Quandong   | 1           |           |
| <i>Santolina chamaecyparissus</i> Lavender Cotton   | 3           |           |
| <i>Sarracenia</i> sp. Pitcher-Plant   | 1           |           |
| <i>Sassafras albidum</i> Sassafras  | 20          | 101000.0  |
| <i>Satureja vulgaris</i> Common Savory  | 1           | 212.0     |
| <i>Satureja thymbra</i> Goat Oregano  | 11          |           |
| <i>Satureja subspicata</i> Yugoslav Savory  | 9           |           |
| <i>Satureja parvifolia</i> Small-Leaf Pampa Savory  | 10          |           |
| <i>Satureja odora</i> Scented Pampa Savory  | 10          |           |
| <i>Satureja obovata</i> Iberian Savory; Savory  | 14          |           |
| <i>Satureja montana</i> Winter Savory; Savory   | 17          | 82317.0   |
| <i>Satureja hortensis</i> Summer Savory   | 15          | 115600.0  |
| <i>Satureja grandiflora</i> French Savory   | 6           |           |
| <i>Satureja glabella</i> Smooth Savory  | 3           | 280.0     |
| <i>Satureja douglasii</i> Douglas' Savory   | 12          | 20722.0   |
| <i>Satureja cuneifolia</i> Cuneate Turkish Savory   | 14          |           |
| <i>Satureja cilicica</i> Turkish Savory   | 11          |           |
| <i>Saussurea lappa</i> Kuth; Costus   | 1           |           |
| <i>Schinus terebinthifolius</i> Brazilian Peppertree  | 1           |           |
| <i>Schinus molle</i> Mastic-Tree; California Peppertree; Peruvian Peppertree  | 5           |           |
| <i>Schisandra chinensis</i> Wu Wei Zu; Chinese Magnolia Vine; Wu Wei Zi; Magnolia Vine; Five-Flavor-Fruit; Schizandra | 3           |           |
| <i>Schoenocaulon officinale</i> Sabadilla   | 3           |           |
| <i>Sclerocarya caffra</i> Marula  | 2           | 840000.0  |
| <i>Scutellaria parvula</i> Small Skullcap   | 1           | 94.0      |
| <i>Scutellaria lateriflora</i> Mad-Dog Skullcap; Scullcap   | 2           |           |
| <i>Scutellaria galericulata</i> Marsh Skullcap  | 2           | 378.0     |
| <i>Scutellaria churchilliana</i> Hybrid Skullcap  | 1           | 136.0     |
| <i>Secale cereale</i> Rye   | 2           |           |
| <i>Sechium edule</i> Chayote  | 1           | 680.0     |
| <i>Senna occidentalis</i> Coffee Senna  | 2           | 20964.0   |
| <i>Senna obtusifolia</i> Sicklepod  | 2           | 34950.0   |
| <i>Senna alata</i> Ringworm Bush  | 1           |           |
| <i>Serenoa repens</i> Saw Palmetto; Scrub-Palmetto  | 5           |           |
| <i>Sesamum indicum</i> Ajonjoli (Sp.); Sesamo (Sp.); Benneseed; Sesame; Beni  | 4           | 569088.0  |
| <i>Sideritis scardica</i> Balkan Sideritis  | 5           |           |
| <i>Sideritis pauli</i> El Molinillo Sideritis   | 11          |           |
| <i>Sideritis mugronensis</i>  | 8           |           |
| <i>Sideritis germanicolpitana</i>   | 9           |           |

| Plant  | # Chemicals | Total PPM |
|--|-------------|-----------|
| <i>Sideritis athoa</i> Kedi Kuyrugu Cayi   | 10          |           |
| <i>Silybum marianum</i> Lady's Thistle; Milk Thistle   | 3           |           |
| <i>Simarouba glauca</i> Simarouba Bark   | 1           | 776800.0  |
| <i>Sinapis alba</i> White Mustard  | 2           | 130712.0  |
| <i>Skimmia arborescens</i> Skimmia   | 4           |           |
| <i>Smilax china</i> China Root   | 1           |           |
| <i>Solanum tuberosum</i> Potato  | 11          | 4682.0    |
| <i>Solanum sessiliflorum</i> Cocona  | 1           |           |
| <i>Solanum nigrum</i> Black Nightshade   | 2           | 313710.0  |
| <i>Solanum melongena</i> Eggplant; Aubergine   | 4           | 4868.0    |
| <i>Sophora pachycarpa</i> Siberian Pachycarpa  | 4           |           |
| <i>Sophora japonica</i> Japanese Pagoda Tree   | 1           | 53960.0   |
| <i>Sorbus aucubaria</i> Rowan Berry  | 3           |           |
| <i>Spartium junceum</i> Spanish Broom; Weaver's Broom; Genet   | 2           |           |
| <i>Spinacia oleracea</i> Spinach   | 6           | 101430.0  |
| <i>Spondias mombin</i> Yellow Plum; Yellow Mombin  | 1           | 30000.0   |
| <i>Stachys germanica</i> Downy Woundwort   | 5           | 306.0     |
| <i>Stellaria media</i> Chickweed; Common Chickweed   | 2           |           |
| <i>Sterculia urens</i> Karaya  | 2           | 592268.0  |
| <i>Stevia rebaudiana</i> Stevia; Ca-A-E; Sweet Leaf of Paraguay  | 19          |           |
| <i>Strophanthus gratus</i> Ouabain   | 1           | 180000.0  |
| <i>Strychnos nux-vomica</i> Nux-Vomica; Strychnine   | 1           | 62000.0   |
| <i>Styrax tonkinensis</i> Siam Benzoin   | 1           |           |
| <i>Styrax benzoin</i> Benzoin; Styrax; Onycha  | 2           |           |
| <i>Swertia chirata</i> Chiretta; Chirata   | 1           |           |
| <i>Syringa vulgaris</i> Lilac  | 2           |           |
| <i>Syzygium cumini</i> Jambolan; Java Plum; Aceituna Dulce   | 1           |           |
| <i>Syzygium aromaticum</i> Clove; Clovetree  | 11          | 477722.0  |
| <i>Tabebuia impetiginosa</i> Pau d'arco; Taheebo   | 1           |           |
| <i>Tagetes minuta</i> Mexican Marigold; Wild Marigold; Dwarf Marigold; Stinking-Roger; Aztec Marigold; Muster John Henry | 5           | 250.0     |
| <i>Tagetes lucida</i> Sweet-Mace; Sweet-Scent Mexican Marigold; Anise Marigold; Sweet-Scent Marigold                     | 5           |           |
| <i>Tagetes filifolia</i> Pampa Anise; Irish Lace   | 1           |           |
| <i>Tagetes erecta</i> Marigold; Aztec Marigold   | 1           | 86.0      |
| <i>Tamarindus indica</i> Tamarind; Kilytree; Indian Tamarind   | 11          | 974732.0  |
| <i>Tanacetum vulgare</i> Tansy   | 6           | 6200.0    |
| <i>Tanacetum parthenium</i> Feverfew   | 13          |           |
| <i>Taraxacum officinale</i> Dandelion  | 4           |           |
| <i>Taxus baccata</i> Common Yew  | 1           |           |
| <i>Telosma cordata</i> Merrill flowers   | 5           |           |
| <i>Tephrosia vogelii</i> Fish Poison Bean  | 1           |           |
| <i>Tephrosia virginiana</i> Devil's Shoestring   | 1           |           |
| <i>Terminalia pallida</i>  | 1           |           |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| <i>Terminalia chebula</i> Myrobalan; Ink Nut; Chebulic Myrobalan; Black Myrobalan   | 2           | 426000.0  |
| <i>Terminalia catappa</i> Indian Almond; Tropical Almond; Malabar Almond  | 2           | 490000.0  |
| <i>Terminalia bellirica</i> Myrobalan Belleric; Myrobalan; Bahera; Belleric; Beleric Myrobalan  | 2           |           |
| <i>Terminalia arjuna</i> Arjun; Arjuna  | 1           |           |
| <i>Tetraclinis articulata</i> Sandarac; Arar Tree   | 2           |           |
| <i>Tetragonia tetragonioides</i> New Zealand Spinach  | 2           | 2670.0    |
| <i>Teucrium scorodonia</i> Germander; Wood Germander  | 14          |           |
| <i>Teucrium salviastrum</i>   | 14          |           |
| <i>Teucrium pseudoscorodonia</i>  | 14          |           |
| <i>Teucrium polium</i> Golden Germander   | 17          |           |
| <i>Teucrium oxylepis</i>  | 14          |           |
| <i>Teucrium micropodioides</i> Small 'Cyprus' Germander   | 14          |           |
| <i>Teucrium kotschyianum</i> Stavros Kotschy's Germander  | 14          |           |
| <i>Teucrium gnaphalodes</i> Iberian Germander   | 13          |           |
| <i>Teucrium divaricatum</i> Hoary Divaricate Germander  | 14          |           |
| <i>Teucrium cyprium</i> 'Cyprus' Germander  | 14          |           |
| <i>Teucrium asiaticum</i>   | 14          |           |
| <i>Teucrium arduini</i> 'Croatian Alpine' Germander   | 6           |           |
| <i>Theobroma cacao</i> Cacao  | 14          | 469100.0  |
| <i>Theobroma bicolor</i> Pataste; Nicaraguan Cacao  | 1           |           |
| <i>Theobroma angustifolium</i> Castarica; Emerald Cacao   | 1           |           |
| <i>Thespesia populnea</i> Indian tulip tree   | 1           |           |
| <i>Thevetia peruviana</i> Loandro-Amarelo (Port.); Cabalonga (Sp.); Oleandre Jaune (Fr.); Yellow Oleander; Chirca (Sp.); Luckynut; Peruvian Yellow Oleander; Thevetie (Ger.); Adelfa Amarilla (Sp.) | 1           |           |
| <i>Thevetia neriifolia</i> Yellow oleander  | 1           |           |
| <i>Thuja occidentalis</i> Arbor-Vitae; Northern White-Cedar   | 6           |           |
| <i>Thymus zygis</i> 'Portuguese' Thyme  | 13          |           |
| <i>Thymus x citriodorus</i> Funk's thyme; Lemon Thyme   | 11          |           |
| <i>Thymus vulgaris</i> Thyme; Garden Thyme; Common Thyme  | 18          | 176670.0  |
| <i>Thymus serpyllum</i> Creeping Thyme  | 13          | 42284.0   |
| <i>Thymus saturejoides</i> Moroccan Savory Thyme  | 11          |           |
| <i>Thymus riatarum</i> 'Moroccan' Thyme   | 12          |           |
| <i>Thymus orospedanus</i> Orosped Thyme   | 14          | 31964.0   |
| <i>Thymus mastichina</i> Spanish Marjoram   | 13          | 19980.0   |
| <i>Thymus longicaulis</i> Kekik; Tas Kekik  | 12          |           |
| <i>Thymus funkii</i> Funk's Thyme   | 15          |           |
| <i>Thymus cilicicus</i> 'Anatolian' Thyme   | 8           |           |
| <i>Thymus capitatus</i> Spanish Thyme; Spanish Origanum; 'Sicilian' Thyme   | 18          | 22340.0   |
| <i>Thymus broussonettii</i> Moroccan Thyme  | 11          |           |
| <i>Tilia</i> sp. Lime; Linden; Basswood   | 5           |           |
| <i>Trachyspermum ammi</i> Ajwan   | 11          | 113984.0  |
| <i>Tribulus terrestris</i> Puncture-vine  | 1           |           |

| Plant   | # Chemicals | Total PPM           |
|---|-------------|---------------------|
| <i>Trichosanthes kirilowii</i> Chinese Cucumber   | 1           |                     |
| <i>Trichosanthes anguina</i> Snakegourd   | 2           | 215750.0            |
| <i>Trichostemma dichotomum</i> Blue Curls   | 7           |                     |
| <i>Trifolium pratense</i> Red Clover; Peavine Clover; Purple Clover; Cowgrass   | 10          |                     |
| <i>Trigonella foenum-graecum</i> Greek Clover; Bockshornklee (Ger.); Fenugreek; Greek Hay; Alholva (Sp.)                          | 2           |                     |
| <i>Triticum aestivum</i> Wheat  | 2           | 222.0               |
| <i>Tropaeolum majus</i> Nasturtium  | 2           | 20000.0             |
| <i>Tsuga canadensis</i> Eastern Hemlock   | 2           | 240.0               |
| <i>Tulipa gesneriana</i> Tulip  | 2           |                     |
| <i>Turnera diffusa</i> Damiana  | 5           | 2200.0              |
| <i>Tussilago farfara</i> Coltsfoot  | 1           |                     |
| <i>Umbellularia californica</i> California Bay  | 13          | 30800.0             |
| <i>Uncaria catechu</i> Pale Catechu; Gambir   | 1           |                     |
| <i>Urginea maritima</i> European Squill   | 1           |                     |
| <i>Urtica dioica</i> European Nettle; Stinging Nettle   | 8           | 46230.0             |
| <i>Vaccinium vitis-idaea</i> Lingen; Lingonberry; Cowberry  | 2           |                     |
| <i>Vaccinium myrtillus</i> Whortleberry; Dwarf Bilberry; Bilberry   | 12          |                     |
| <i>Vaccinium macrocarpon</i> Cranberry; American Cranberry; Large Cranberry   | 4           |                     |
| <i>Vaccinium corymbosum</i> Blueberry   | 12          | 0.30000000000000004 |
| <i>Valeriana officinalis</i> Valerian; Garden-Heliotrope; Common Valerian   | 14          |                     |
| <i>Valeriana jatamansi</i> Indian Valerian  | 4           |                     |
| <i>Vanilla tahitensis</i> Tahiti Vanilla  | 1           |                     |
| <i>Vanilla planifolia</i> Vanilla; Bourbon Vanilla  | 15          | 60000.0             |
| <i>Veratrum viride</i> Indian Poke; American Hellebore  | 1           |                     |
| <i>Veratrum album</i> White Hellebore   | 1           |                     |
| <i>Verbascum thapsus</i> Velvetplant; Mullein; Flannelleaf; Flannelplant; Great Mullein   | 1           |                     |
| <i>Vernonia cinerea</i> Purple fleabane   | 1           |                     |
| <i>Vetiveria zizanioides</i> Vetiver; Cus-Cus; Cuscus Grass   | 9           |                     |
| <i>Viburnum prunifolium</i> Black Haw   | 6           |                     |
| <i>Viburnum opulus</i> European Cranberry Bush; Guelder Rose; Crampbark; Snowballbush   | 6           |                     |
| <i>Vicia faba</i> Faba Bean; Broadbean; Habas   | 4           | 3720.0              |
| <i>Vigna unguiculata</i> Pea Bean; Yardlong Bean; Asparagus Bean  | 2           | 21212.0             |
| <i>Vigna radiata</i> Mungbean; Green Gram   | 2           | 16324.0             |
| <i>Vigna mungo</i> Black Gram   | 2           | 10956.0             |
| <i>Vigna aconitifolia</i> Mat Bean; Moth Bean   | 2           | 5712.0              |
| <i>Viola odorata</i> Sweet Violet; Common Violet  | 3           | 714.0               |
| <i>Virola surinamensis</i> Ucuuba; Ucahuba  | 2           |                     |
| <i>Viscum album</i> European Mistletoe  | 2           |                     |
| <i>Vitellaria paradoxa</i> Shea-Butter-Tree; Shea; Shea Nut; Butterseed; Sheatree   | 1           |                     |
| <i>Vitex agnus-castus</i> Chaste-Tree   | 11          |                     |
| <i>Vitis vinifera</i> Vigne Vinifere (Fr.); Weinrebe (Ger.); Vid (Sp.); Grape; Wine Grape; European Grape; Grapevine; Parra (Sp.) | 14          | 152840.0            |

| Plant   | # Chemicals | Total PPM |
|---|-------------|-----------|
| Zanthoxylum clava-herculis Pepperbark; Hercules'-Club; West Indian Yellowwood; Southern Prickly Ash | 1           |           |
| Zanthoxylum americanum Northern Prickly Ash   | 1           |           |
| Zanthoxylum alatum Wartara Oil Tree; Indian Prickly Ash   | 1           |           |
| Zea mays Corn   | 22          | 29616.0   |
| Zingiber officinale Ginger  | 24          | 84569.0   |
| Zizyphus jujuba Da-Zao; Ta-Tsao; Jujube   | 1           | 24000.0   |