

## Dr. Duke's Phytochemical and Ethnobotanical Databases

### List of Plants for Perfumery

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Abelmoschus moschatus</i>	3	
<i>Abelmoschus esculentus</i>	4	224020.0
<i>Abies spectabilis</i>	3	
<i>Abies sachalinensis</i>	2	12960.0
<i>Abies balsamea</i>	3	10100.0
<i>Abies alba</i>	9	2546.0
<i>Abrus precatorius</i>	2	
<i>Abutilon theophrasti</i>	2	
<i>Acacia nilotica</i>	1	
<i>Acacia melanoxylon</i>	1	
<i>Acacia farnesiana</i>	13	
<i>Acacia decurrens</i>	1	
<i>Acacia catechu</i>	1	
<i>Achillea moschata</i>	1	3708.0
<i>Achillea millefolium</i>	29	9092.0
<i>Acinos suaveolens</i>	17	
<i>Acinos alpinus</i>	12	
<i>Aconitum napellus</i>	2	
<i>Acorus calamus</i>	17	14194.0
<i>Acrocomia totai</i>	1	
<i>Actaea racemosa</i>	2	
<i>Actinidia chinensis</i>	1	
<i>Adonis vernalis</i>	1	
<i>Aegle marmelos</i>	3	
<i>Aeolanthus myriantha</i>	4	
<i>Aesculus hippocastanum</i>	4	
<i>Aframomum melegueta</i>	3	

Plants with Activity Synergy	Chemical Count	Total PPM
Agastache urticifolia	6	4238.0
Agastache rugosa	7	
Agastache pallidiflora	2	
Agastache nepetoides	5	
Agastache foeniculum	6	
Agathosma betulina	8	13300.0
Ageratum conyzoides	12	
Agrimonia eupatoria	1	
Akebia quinata	3	
Aleurites moluccana	2	731160.0
Aleurites fordii	2	195600.0
Alisma plantago-aquatica	2	
Alliaria petiolata	3	32560.0
Allium schoenoprasum	4	23000.0
Allium sativum var. sativum	10	5.0
Allium cepa	7	9310.0
Allium ampeloprasum	3	
Alocasia macrorrhiza	1	
Aloe vera	2	
Aloysia citrodora	26	8036.0
Alpinia officinarum	5	800.0
Alpinia galanga	14	70080.0
Althaea officinalis	3	
Ammi visnaga	2	
Ammi majus	2	
Amomum xanthioides	3	
Amomum compactum	7	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Amphicarpaea bracteata</i>	2	
<i>Anabasis aphylla</i>	1	
<i>Anacardium occidentale</i>	4	1360009.0
<i>Anamirta cocculus</i>	3	171000.0
<i>Ananas comosus</i>	14	15414.48
<i>Anethum graveolens</i>	24	213066.0
<i>Angelica sinensis</i>	8	
<i>Angelica archangelica</i>	34	15403.0
<i>Aniba rosaeodora</i>	1	
<i>Anisomeles malabarica</i>	1	
<i>Annona squamosa</i>	3	
<i>Annona reticulata</i>	2	
<i>Annona muricata</i>	3	
<i>Annona cherimola</i>	1	245000.0
<i>Apium graveolens</i>	38	457250.2
<i>Aquilegia vulgaris</i>	2	42480.0
<i>Arachis hypogaea</i>	3	1035435.0
<i>Aralia spinosa</i>	1	
<i>Aralia cordata</i>	9	1157.5
<i>Arctium lappa</i>	8	
<i>Areca catechu</i>	2	83520.0
<i>Argemone mexicana</i>	1	171600.0
<i>Aristolochia serpentaria</i>	1	
<i>Arnica montana</i>	3	
<i>Artemisia vulgaris</i>	10	
<i>Artemisia salsoloides</i>	15	
<i>Artemisia pallens</i>	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Artemisia herba-alba	8	638.0
Artemisia dracunculus	24	48663.0
Artemisia capillaris	1	
Artemisia annua	24	7520.0
Artemisia absinthium	3	
Artemisia abrotanum	1	
Artocarpus altilis	2	
Asarum canadense	3	
Asclepias syriaca	1	95400.0
Asiasarum sieboldii	2	
Asiasarum heterotropoides	3	
Asimina triloba	5	53810.66
Aspalathus linearis	2	
Asparagus officinalis	5	4128.0
Astragalus gummifer	1	50000.0
Astrocaryum vulgare	1	
Atractylodes lancea	1	
Atropa bella-donna	2	
Avena sativa	5	
Averrhoa carambola	1	
Azadirachta indica	2	638100.0
Bactris gasipaes	2	
Balanites aegyptiacus	2	424000.0
Ballota nigra	6	102.0
Barosma betulina	8	13300.0
Belamcanda chinensis	1	
Benincasa hispida	3	40500.0

Plants with Activity Synergy	Chemical Count	Total PPM
Bertholletia excelsa	3	961800.0
Beta vulgaris	6	8854.0
Betula lenta	1	11976.0
Bidens pilosa	1	
Bixa orellana	2	
Borago officinalis	4	
Boronia megastigma	1	
Boswellia serrata	6	
Boswellia sacra	3	
Brassica rapa	3	3200.0
Brassica oleracea var. viridis l.	2	
Brassica oleracea var. sabellica l.	4	13520.0
Brassica oleracea var. italica	6	
Brassica oleracea var. gemmifera	3	3142.0
Brassica oleracea var. capitata l.	13	3744.0
Brassica oleracea var. botrytis l.	7	13640.0
Brassica oleracea	6	3365.42
Brassica nigra	2	6478.0
Brassica napus var. napobrassica	3	10410.0
Brassica chinensis	2	6412.0
Bryonia alba	2	
Bupleurum chinense	1	
Bursera delpechiana	7	148320.0
Buxus sempervirens	1	
Cajanus cajan	3	2498.0
Calamintha nepeta	18	
Calea zacatechichi	1	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Calendula officinalis</i>	2	146000.0
<i>Callicarpa americana</i>	15	
<i>Calotropis sp.</i>	1	380000.0
<i>Camellia sinensis</i>	34	18152.0
<i>Camellia japonica</i>	2	
<i>Cananga odorata</i>	14	
<i>Canarium indicum</i>	4	730858.0
<i>Cannabis sativa</i>	6	107400.0
<i>Capparis spinosa</i>	2	368620.0
<i>Capsicum frutescens</i>	19	2286.0
<i>Capsicum annuum</i>	20	11537.199999999999
<i>Carapa guianensis</i>	2	
<i>Carica papaya</i>	21	441748.0
<i>Carthamus tinctorius</i>	8	425839.9
<i>Carum carvi</i>	24	358939.0
<i>Carya illinoensis</i>	2	
<i>Cassia tora</i>	2	69856.0
<i>Catalpa ovata</i>	1	
<i>Catalpa bignonioides</i>	1	
<i>Caulophyllum thalictroides</i>	2	
<i>Cedrus libani</i>	1	
<i>Cedrus deodora</i>	2	75990.0
<i>Ceiba pentandra</i>	2	
<i>Centaurea cyanus</i>	2	
<i>Centaurea calcitrapa</i>	2	
<i>Centaurium erythraea</i>	2	
<i>Centella asiatica</i>	14	

Plants with Activity Synergy	Chemical Count	Total PPM
Ceratonia siliqua	2	
Chamaelirium luteum	2	
Chamaemelum nobile	15	
Chelidonium majus	1	
Chenopodium ambrosioides	6	9750.0
Chimaphila umbellata	1	
Chiococca alba	1	
Chrysanthemum x morifolium	14	
Chrysanthemum parthenium	12	
Chrysanthemum balsamita	3	
Cicer arietinum	3	63050.0
Cichorium intybus	5	1824.0
Cichorium endivia	3	3220.0
Cimicifuga racemosa	2	
Cinnamomum verum	39	85264.0
Cinnamomum camphora	32	32916.0
Cinnamomum aromaticum	25	22450.0
Cistus ladaniferus	15	84420.0
Citrullus lanatus	8	510000.0
Citrullus colocynthis	9	
Citrus spp	1	
Citrus sinensis	31	3817.62
Citrus reticulata	31	9380.800000000001
Citrus paradisi	29	3240.0
Citrus mitis	10	
Citrus medica	3	
Citrus limon	22	

Plants with Activity Synergy	Chemical Count	Total PPM
Citrus aurantium	35	18398.0
Citrus aurantiifolia	25	16776.0
Cleistocalyx fullageri	1	
Cleonia lusitanica	12	
Cnicus benedictus	7	372960.0
Cocos nucifera	11	173634.0
Coffea arabica	6	51200.0
Coix lacryma-jobi	1	
Collinsonia canadensis	3	
Colocasia esculenta	3	19548.0
Commiphora myrrha	7	
Conyza canadensis	4	476.0
Copaifera spp	5	961200.0
Corchorus olitorius	3	43920.0
Coriandrum sativum	25	375442.0
Coriaria thymifolia	2	
Coridothymus capitatus	14	
Cornus mas	2	
Corylus avellana	2	1166100.0
Crataegus rhipidophylla	1	
Crataegus laevigata	1	
Crescentia alata	1	
Crocus sativus	16	
Croton tiglium	5	379000.0
Croton lechleri	7	
Croton eluteria	7	
Cryptostegia grandifolia	2	103530.0



Plants with Activity Synergy	Chemical Count	Total PPM
Cucumis sativus	4	1103818.0
Cucumis melo	6	985090.0
Cucurbita spp	3	10760.0
Cucurbita pepo	4	765235.0
Cucurbita maxima	2	299030.0
Cucurbita foetidissima	2	
Cuminum cyminum	19	79340.0
Cunila origanoides	9	41188.0
Curcuma zedoaria	2	
Curcuma xanthorrhiza	3	
Curcuma longa	13	36000.0
Cyamopsis tetragonoloba	2	
Cydonia oblonga	1	
Cymbopogon winterianus	18	17018.0
Cymbopogon parkeri	8	37032.0
Cymbopogon nardus	20	18768.0
Cymbopogon martinii	6	9500.0
Cymbopogon flexuosus	7	18500.0
Cymbopogon citratus	15	33452.0
Cynara cardunculus	4	1720.0
Cyperus rotundus	4	
Datura stramonium	8	372000.0
Datura metel	1	146000.0
Daucus carota	32	546766.0
Dianthus caryophyllus	2	
Dictamnus albus	7	
Digitalis purpurea	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Dioscorea pentaphylla	3	1076.0
Diospyros virginiana	3	
Dipsacus fullonum	2	
Dipteryx odorata	3	32650.0
Dodonaea viscosa	2	153430.0
Dracocephalum thymiflora	8	1276.0
Dracocephalum parviflora	2	420.0
Drimys winteri	2	
Duboisia myoporoides	1	
Echinacea spp	6	84.0
Echinacea purpurea	3	
Echinacea pallida	2	
Echinacea angustifolia	3	
Elaeagnus angustifolia	1	
Elaeis oleifera	1	
Elaeis guineensis	2	
Elettaria cardamomum	23	225818.0
Eleutherococcus senticosus	2	
Elsholtzia polystachya	19	
Elsholtzia pilosa	11	
Elsholtzia nipponica	3	
Elsholtzia eriostachya	6	
Elsholtzia densa	2	
Elsholtzia cristata	7	
Elsholtzia blanda	11	
Elytrigia repens	5	
Ephedra sinica	14	

Plants with Activity Synergy	Chemical Count	Total PPM
Equisetum hyemale	1	
Equisetum arvense	1	
Eriobotrya japonica	2	
Eriodictyon californicum	1	
Eruca sativa	13	
Eryngium foetidum	1	
Erythrina crista-galli	2	183000.0
Erythroxyllum zambesiacum	2	
Erythroxyllum novogranatense	1	2600.0
Erythroxyllum monogynum	1	
Erythroxyllum coca	1	350.0
Eschscholzia californica	1	
Eucalyptus viridis	19	
Eucalyptus tetraptera	13	
Eucalyptus tereticornis	12	
Eucalyptus stoatei	13	
Eucalyptus sparsa	19	
Eucalyptus sp	3	
Eucalyptus sideroxyllon	12	
Eucalyptus siderophloia	14	
Eucalyptus saligna	11	
Eucalyptus punctata	12	
Eucalyptus porosa	19	
Eucalyptus populnea	20	
Eucalyptus polyanthemos	14	
Eucalyptus paniculata	7	
Eucalyptus oviformis	14	

Plants with Activity Synergy	Chemical Count	Total PPM
Eucalyptus odorata	19	
Eucalyptus ochrophloia	18	
Eucalyptus occidentalis	14	
Eucalyptus nova-anglica	6	
Eucalyptus moluccana	14	
Eucalyptus melliodora	14	
Eucalyptus melanophloia	19	
Eucalyptus maideni	14	
Eucalyptus maculata	13	
Eucalyptus leucoxydon	19	
Eucalyptus largisparsa	19	
Eucalyptus lansdowneana	18	
Eucalyptus intertexta	19	
Eucalyptus incrassata	13	
Eucalyptus globulus	18	17070.0
Eucalyptus forrestiana	13	
Eucalyptus fasciculosa	19	
Eucalyptus erythrandra	13	
Eucalyptus dolichorhyncha	13	
Eucalyptus diversicolor	14	
Eucalyptus desquamata	19	
Eucalyptus dealbata	14	
Eucalyptus cuprea	19	
Eucalyptus cladocalyx	14	
Eucalyptus citriodora	22	61440.0
Eucalyptus ceratocorys	13	
Eucalyptus camaldulensis	14	

Plants with Activity Synergy	Chemical Count	Total PPM
Eucalyptus bridgesiana	9	
Eucalyptus brassiana	19	
Eucalyptus botryoides	14	
Eucalyptus bosistoana	14	
Eucalyptus blakelyi	13	
Eucalyptus behriana	19	
Eucalyptus astringens	14	
Eucalyptus angulosa	13	
Eucalyptus albens	14	
Eucommia ulmoides	2	
Eugenia uniflora	1	
Eupatorium triplinerve	4	
Euphorbia tirucalli	1	
Euphorbia lathyris	1	731000.0
Euphorbia hirta	1	
Fagopyrum esculentum	3	27320.0
Ferula sumbul	1	
Ferula jaeschkeana	1	988.0
Ferula gummosa	10	
Ferula assa-foetida	4	1200.0
Ficus carica	25	145664.0
Filipendula ulmaria	3	
Foeniculum vulgare	18	436512.0
Fragaria spp	7	45336.0
Fritillaria thunbergii	1	
Fucus vesiculosus	4	
Galeopsis tetrahit	3	100.0

Plants with Activity Synergy	Chemical Count	Total PPM
Galipea officinalis	2	
Ganoderma lucidum	2	
Garcinia cambogia	1	
Gardenia jasminoides	5	
Gastrodia elata	2	
Gaultheria procumbens	1	15840.0
Gaultheria fragrantissima	1	
Geranium thunbergii	1	
Ginkgo biloba	7	23550.0
Glechoma hederacea	11	122.0
Gleditsia triacanthos	1	
Glycine max	11	256102.0
Glycyrrhiza glabra	21	44.0
Gossypium sp	7	133718.0
Guaiacum sp.	2	
Haematoxylum campechianum	1	
Hamamelis virginiana	2	340.0
Harpagophytum procumbens	3	
Hedeoma reverchonii	8	11938.0
Hedeoma pulegioides	19	61860.0
Hedeoma hispida	7	1800.0
Hedeoma drummondii	11	42518.0
Hedera helix	1	140400.0
Hedychium flavum	6	
Helianthus annuus	23	612001.8
Helichrysum angustifolium	6	2000.0
Helleborus niger	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Hesperis matronalis	7	
Hibiscus sabdariffa	10	
Hippophae rhamnoides	3	
Holarrhena pubescens	2	151840.0
Hordeum vulgare	6	32013.8
Houttuynia cordata	9	
Humulus lupulus	17	341.0
Hyacinthus orientalis	9	105.71999999999998
Hydnocarpus wightiana	1	82220.0
Hydnocarpus kurzii	1	146000.0
Hydrangea paniculata	1	
Hydrangea arborescens	1	
Hyoscyamus niger	2	286304.0
Hypericum perforatum	22	
Hyptis suaveolens	14	1830.0
Hyssopus officinalis	28	23170.0
Ilex paraguariensis	4	38000.0
Illicium verum	21	18716.0
Inula helenium	1	
Ipomoea purga	2	
Ipomoea batatas	4	2062.0
Iris x germanica	7	
Iris versicolor	2	
Isanthus brachiatus	6	1854.0
Isatis tinctoria	1	207360.0
Jasminum officinale	13	2188.2799999999997
Jatropha curcas	2	574080.0

Plants with Activity Synergy	Chemical Count	Total PPM
Juglans regia	4	462660.0
Juglans nigra	5	
Juglans cinerea	3	438692.0
Juniperus virginiana	11	12600.0
Juniperus sabina	8	
Juniperus oxycedrus	2	
Juniperus macropoda	3	
Juniperus communis	34	39872.0
Justicia pectoralis	1	
Justicia adhatoda	1	257500.0
Kaempferia galanga	1	
Kalanchoe pinnata	2	
Kalanchoe daegrिमontiana	1	
Lablab purpureus	2	17148.0
Lactuca virosa	1	
Lactuca scariola	3	286670.0
Lactuca sativa	3	8334.0
Lagenaria siceraria	2	194120.0
Lantana camara	13	3200.0
Larrea tridentata	1	
Laurus nobilis	32	24938.0
Lavandula x intermedia	22	10526.0
Lavandula x hybrida	14	
Lavandula sp	3	
Lavandula latifolia	25	5864.0
Lavandula angustifolia	19	23700.0
Lawsonia inermis	2	123290.0



Plants with Activity Synergy	Chemical Count	Total PPM
Ledum palustre	1	
Lens culinaris	3	21790.0
Lentinus edodes	2	
Leonotis nepetaefolia	2	500080.0
Leonotis leonurus	9	
Leonurus cardiaca	5	810.0
Lepechinia schiediana	3	6800.0
Lepechinia calycina	13	2450.0
Lepidium sativum	3	405880.0
Lepidium meyenii	1	
Leptospermum polygalifolium	1	
Levisticum officinale	21	2280.0
Ligustrum lucidum	1	
Ligustrum japonicum	6	
Limonia acidissima	1	
Lindera benzoin	13	
Linum usitatissimum	4	247706.0
Lippia javanica	1	
Lippia graveolens	1	
Lippia alba	3	
Liquidambar styraciflua	4	
Liquidambar orientalis	2	
Litsea glaucescens	15	
Lobelia inflata	1	
Lonicera japonica	12	
Luffa aegyptiaca	3	463600.0
Lupinus albus	5	174480.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Lycopersicon esculentum</i>	17	12952.0
<i>Lycopodium clavatum</i>	1	600000.0
<i>Lycopus virginicus</i>	5	2564.0
<i>Lycopus uniflorus</i>	6	666.0
<i>Lycopus europeus</i>	1	250.0
<i>Lycopus americanus</i>	1	56.0
<i>Macadamia spp</i>	3	2247400.0
<i>Maclura pomifera</i>	1	
<i>Magnolia officinalis</i>	2	
<i>Magnolia kobus</i>	3	
<i>Magnolia fargesii</i>	2	
<i>Magnolia denudata</i>	11	
<i>Malus domestica</i>	19	4487.0
<i>Mangifera indica</i>	10	17272.0
<i>Manihot esculenta</i>	3	13640.0
<i>Marrubium vulgare</i>	4	
<i>Matricaria recutita</i>	7	20000.0
<i>Medicago sativa</i>	5	
<i>Melaleuca viridiflora</i>	5	
<i>Melaleuca linariifolia</i>	6	
<i>Melaleuca leucadendra</i>	3	
<i>Melaleuca cajuputi</i>	5	
<i>Melaleuca bracteata</i>	5	
<i>Melaleuca alternifolia</i>	15	
<i>Meleleuca howeana</i>	1	
<i>Melia azedarach</i>	8	45600.0
<i>Melissa officinalis</i>	20	3273.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Mentha x rotundifolia</i>	12	36220.0
<i>Mentha x piperita</i>	27	65361.079999999994
<i>Mentha spicata</i>	43	99950.0
<i>Mentha sp</i>	3	
<i>Mentha pulegium</i>	30	161292.0
<i>Mentha longifolia</i>	26	212900.0
<i>Mentha japonica</i>	1	
<i>Mentha arvensis var. piperascens</i>	20	398420.0
<i>Mentha aquatica</i>	22	17961.0
<i>Menyanthes trifoliata</i>	2	
<i>Metrosideros sclerocarpa</i>	3	
<i>Micromeria varia</i>	16	
<i>Micromeria thymifolia</i>	14	
<i>Micromeria teneriffae</i>	13	
<i>Micromeria myrtifolia</i>	20	
<i>Micromeria juliana</i>	17	
<i>Micromeria fruticosa</i>	23	
<i>Micromeria dalmatica</i>	6	
<i>Micromeria croatica</i>	14	
<i>Micromeria congesta</i>	16	
<i>Mimosa pudica</i>	2	135660.0
<i>Minthostachys mollis</i>	11	
<i>Mitracarpus scaber</i>	1	
<i>Moldavica thymiflora</i>	8	
<i>Moldavica parviflora</i>	2	
<i>Momordica charantia</i>	2	450352.0
<i>Monarda russeliana</i>	6	12244.0

Plants with Activity Synergy	Chemical Count	Total PPM
Monarda punctata	12	87822.0
Monarda media	8	7822.0
Monarda lindheimeri	5	754.0
Monarda fistulosa	13	148674.0
Monarda didyma	16	12228.0
Monarda clinopodia	7	10966.0
Monarda citriodora	11	17660.0
Morinda citrifolia	5	
Moringa oleifera	3	
Morus alba	11	
Mucuna pruriens	2	47750.0
Murraya sp	2	
Murraya koenigii	21	
Musa x paradisiaca	6	5956.0
Myrciaria dubia	9	
Myrica cerifera	4	
Myristica fragrans	23	522100.0
Myroxylon balsamum	10	
Myrrhis odorata	2	
Myrtus communis	30	4296.0
Narcissus tazetta	3	380.0
Nardostachys jatamansi	3	
Nardostachys chinensis	1	
Nelumbo nucifera	3	13412.0
Nepeta racemosa	20	
Nepeta cilicia	1	
Nepeta cataria	12	3630.0

Plants with Activity Synergy	Chemical Count	Total PPM
Nerium oleander	2	
Neurolaena lobata	1	
Nicotiana tabacum	15	245000.0
Nigella sativa	5	409408.0
Ocimum tenuiflorum	15	
Ocimum suave	5	
Ocimum sp	1	
Ocimum sanctum	3	
Ocimum kilimandscharicum	7	
Ocimum gratissimum	28	
Ocimum canum	12	
Ocimum basilicum	42	75036.2
Oenanthe javanica	2	
Oenanthe aquatica	3	40000.0
Oenothera biennis	2	124300.0
Olea europaea	3	664000.0
Ononis spinosa	2	
Opuntia ficus-indica	3	53140.0
Origanum vulgare	33	48750.0
Origanum syriacum	20	
Origanum sipyleum	13	
Origanum onites	25	2052.0
Origanum minutiflorum	14	
Origanum majorana	24	37772.0
Origanum creticum	2	
Oryza sativa	4	16740.0
Pachira aquatica	2	533600.0

Plants with Activity Synergy	Chemical Count	Total PPM
Pachyrhizus erosus	2	
Panax quinquefolius	13	80274.0
Panax ginseng	18	
Papaver somniferum	6	159934.0
Papaver bracteatum	2	112320.0
Passiflora incarnata	2	
Passiflora edulis	2	
Pastinaca sativa	12	328310.0
Pavonia odorata	2	
Pelargonium roseum	8	
Pelargonium graveolens	3	8856.0
Pelargonium citrosum	13	
Peperomia pelucida	1	
Perilla frutescens	4	
Persea americana	7	2137840.0
Petasites hybridus	5	
Petiveria alliacea	1	
Petroselinum crispum	24	241954.8
Peucedanum ostruthium	3	6720.0
Peumus boldus	19	4509.0
Phaseolus vulgaris	4	27406.0
Phaseolus lunatus	3	8198.0
Phellodendron amurense	1	
Phoenix dactylifera	4	119820.0
Phyllanthus niruri	1	
Phyllanthus emblica	2	97760.0
Physalis peruviana	2	60220.0

Plants with Activity Synergy	Chemical Count	Total PPM
Physalis ixocarpa	1	40.0
Physostigma venenosum	2	
Phytolacca americana	1	
Picea mariana	2	414.0
Picea glauca	2	
Pilocarpus microphyllus	3	1180.0
Pilocarpus jaborandi	2	300.0
Pimenta racemosa	23	128760.0
Pimenta dioica	21	95338.0
Pimpinella anisum	15	618.0
Pinellia ternata	2	
Pinus walliciana	8	
Pinus sylvestris	19	8000.0
Pinus roxburghii	2	
Pinus pinea	3	
Pinus palustris	4	480500.0
Pinus mugo	6	
Pinus kesiya	2	
Pinus insularis	2	
Pinus gerardiana	4	
Pinus elliottii	3	
Pinus edulis	3	
Piper nigrum	35	30618.0
Piper methysticum	1	
Piper cubeba	17	57600.0
Piper betel	4	65560.0
Piper auritum	15	

Plants with Activity Synergy	Chemical Count	Total PPM
Piscidia piscipula	2	
Pistacia vera	5	1477102.0
Pistacia lentiscus	4	
Pisum sativum	5	16188.0
Plantago psyllium	2	7056.0
Plantago ovata	2	45840.0
Plantago major	2	148000.0
Plantago asiatica	3	
Plectranthus incanus	4	
Plectranthus coleoides	6	
Plumeria acutifolia	3	
Pogostemon cablin	8	
Polianthes tuberosa	10	
Polygala senega	1	2000.0
Polygonum hydropiper	1	
Polypodium vulgare	2	
Populus tacamahacca	1	
Populus balsamifera	1	
Porophyllum ruderale	8	
Portulaca oleracea	3	117066.0
Prosopis glandulosa	1	
Prunella vulgaris	7	
Prunus persica	8	11180.0
Prunus laurocerasus	2	45060.0
Prunus dulcis	6	847597.0
Prunus domestica	4	758614.0
Prunus cerasus	9	432368.0



Plants with Activity Synergy	Chemical Count	Total PPM
<i>Prunus armeniaca</i>	6	828220.0
<i>Psidium guajava</i>	14	73502.0
<i>Psidium cattleianum</i>	3	12720.0
<i>Psophocarpus tetragonolobus</i>	3	347334.0
<i>Psoralea corylifolia</i>	3	
<i>Pteridium aquilinum</i>	1	
<i>Ptychopetalum olacoides</i>	1	
<i>Pueraria pseudohirsuta</i>	1	
<i>Pueraria montana</i>	2	
<i>Punica granatum</i>	3	
<i>Pycnanthemum virginianum</i>	14	79878.0
<i>Pycnanthemum verticillatum</i>	8	39480.0
<i>Pycnanthemum torreyi</i>	9	18584.0
<i>Pycnanthemum tenuifolium</i>	19	55260.0
<i>Pycnanthemum setosum</i>	14	64170.0
<i>Pycnanthemum pycnanthemoides</i>	13	129224.0
<i>Pycnanthemum pilosum</i>	12	202300.0
<i>Pycnanthemum nudum</i>	1	46696.0
<i>Pycnanthemum muticum</i>	11	109100.0
<i>Pycnanthemum montanum</i>	12	4788.0
<i>Pycnanthemum loomisii</i>	11	30492.0
<i>Pycnanthemum incanum</i>	14	43776.0
<i>Pycnanthemum flexuosum</i>	1	1224.0
<i>Pycnanthemum curvipes</i>	6	504.0
<i>Pycnanthemum clinopodioides</i>	14	55836.0
<i>Pycnanthemum californicum</i>	10	60192.0
<i>Pycnanthemum beadlei</i>	12	12544.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Pycnanthemum albescens</i>	6	63288.0
<i>Pyrus communis</i>	4	20382.0
<i>Quercus suber</i>	1	
<i>Quercus rubra</i>	1	
<i>Quisqualis indica</i>	3	309420.0
<i>Raphanus sativus</i>	4	14340.0
<i>Ravensara aromatica</i>	11	
<i>Rheum rhabarbarum</i>	2	
<i>Rheum palmatum</i>	10	
<i>Rheum officinale</i>	1	
<i>Rhizophora mangle</i>	1	4460.0
<i>Rhododendron dauricum</i>	2	
<i>Rhus toxicodendron</i>	1	
<i>Ribes uva-crispa</i>	3	10550.0
<i>Ribes rubrum</i>	5	3862.0
<i>Ribes nigrum</i>	20	7072.0
<i>Ricinus communis</i>	4	
<i>Robinia pseudoacacia</i>	6	72750.0
<i>Rosa rubiginosa</i>	2	
<i>Rosa gallica</i>	6	630.0
<i>Rosa canina</i>	5	
<i>Rosmarinus x mendizabalii</i>	12	
<i>Rosmarinus x lavandulaceus</i>	12	
<i>Rosmarinus tomentosus</i>	12	
<i>Rosmarinus officinalis</i>	38	45378.0
<i>Rosmarinus eriocalyx</i>	12	
<i>Rubus idaeus</i>	9	

Plants with Activity Synergy	Chemical Count	Total PPM
Rubus fruticosus	1	
Ruta graveolens	7	
Saccharum officinarum	1	
Salvia triloba	5	13320.0
Salvia sp.	2	
Salvia sclarea	22	169572.0
Salvia officinalis	28	167636.0
Salvia gilliesii	7	
Salvia dorisiana	19	
Salvia canariensis	12	
Sambucus nigra	4	
Sambucus canadensis	2	43520.0
Santalum album	10	
Santalum acuminatum	2	
Santolina chamaecyparissus	3	
Sarcostemma acidum	1	
Sassafras albidum	19	101000.0
Satureja vulgaris	1	212.0
Satureja thymbra	14	
Satureja subspicata	11	
Satureja parvifolia	11	
Satureja odora	10	
Satureja obovata	20	
Satureja montana	22	30107.0
Satureja hortensis	19	117600.0
Satureja grandiflora	8	
Satureja glabella	6	4040.0

Plants with Activity Synergy	Chemical Count	Total PPM
Satureja douglasii	16	30940.0
Satureja cuneifolia	12	
Satureja cilicica	11	
Schinus molle	5	
Schisandra chinensis	1	
Schoenocaulon officinale	3	
Sclerocarya caffra	1	840000.0
Scutellaria parvula	7	712.0
Scutellaria lateriflora	2	
Scutellaria galericulata	3	508.0
Scutellaria churchilliana	2	158.0
Secale cereale	3	
Senna occidentalis	1	15964.0
Senna obtusifolia	2	34870.0
Serenoa repens	5	
Sesamum indicum	4	634752.0
Sideritis scardica	11	
Sideritis pauli	11	
Sideritis mugronensis	14	
Sideritis germanicolpitana	10	
Sideritis athoa	9	
Silybum marianum	2	
Simarouba glauca	2	1147240.0
Sinapis alba	2	136404.0
Skimmia arborescens	11	
Smilax china	1	
Solanum tuberosum	10	666.0

Plants with Activity Synergy	Chemical Count	Total PPM
Solanum nigrum	2	221880.0
Solanum melongena	4	5526.0
Sophora pachycarpa	1	
Sophora japonica	1	53960.0
Sorbus aucubaria	1	
Spartium junceum	2	
Spinacia oleracea	4	1662.0
Stachys germanica	4	188.0
Stachytarpheta cayennensis	2	
Stellaria media	3	
Sterculia urens	3	356720.0
Stevia rebaudiana	20	
Strophanthus gratus	1	180000.0
Strychnos nux-vomica	2	68600.0
Styrax tonkinensis	1	
Styrax benzoin	2	
Swertia chirata	2	
Syringa vulgaris	5	
Syzygium aromaticum	17	480102.0
Tabebuia impetiginosa	1	
Tagetes patula	2	868.0
Tagetes minuta	16	6390.0
Tagetes lucida	9	
Tagetes filifolia	2	
Tagetes erecta	2	718.0
Tamarindus indica	11	52560.0
Tanacetum vulgare	7	1800.0

Plants with Activity Synergy	Chemical Count	Total PPM
Tanacetum parthenium	12	
Taraxacum officinale	2	
Tecoma stans	2	1380.0
Telosma cordata	9	
Terminalia pallida	2	
Terminalia chebula	3	426000.0
Terminalia catappa	2	571050.0
Terminalia bellirica	2	
Tetraclinis articulata	2	
Tetragonia tetragonioides	3	3340.0
Teucrium scorodonia	16	
Teucrium salviastrum	16	
Teucrium pseudoscorodonia	16	
Teucrium polium	25	
Teucrium oxylepis	16	
Teucrium micropodioides	17	
Teucrium kotschyanum	17	
Teucrium gnaphalodes	16	
Teucrium divaricatum	17	
Teucrium cyprium	17	
Teucrium asiaticum	16	
Teucrium arduini	4	
Theobroma cacao	10	458300.0
Theobroma bicolor	2	
Theobroma angustifolium	2	
Thespesia populnea	1	
Thevetia peruviana	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Thevetia nerifolia	2	
Thuja occidentalis	6	
Thymus zygis	14	
Thymus x citriodorus	15	
Thymus vulgaris	22	147020.0
Thymus serpyllum	21	16882.0
Thymus saturejoides	11	
Thymus riatarum	17	
Thymus orospedanus	10	16632.0
Thymus mastichina	16	4884.0
Thymus longicaulis	18	
Thymus funkii	28	
Thymus cilicicus	7	
Thymus capitatus	28	5680.0
Thymus broussonettii	11	
Tilia sp.	11	
Trachyspermum ammi	7	84800.0
Tribulus terrestris	2	
Trichosanthes kirilowii	1	
Trichosanthes anguina	2	297270.0
Trichostemma dichotomum	10	
Trifolium pratense	13	
Trigonella foenum-graecum	2	
Triticum aestivum	2	
Tsuga canadensis	4	240.0
Turnera diffusa	4	160000.0
Tussilago farfara	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Umbellularia californica	20	17320.0
Uncaria guianensis	1	
Uncaria catechu	1	
Urtica dioica	7	46230.0
Vaccinium myrtillus	12	
Vaccinium macrocarpon	2	
Vaccinium corymbosum	13	1.9600000000000002
Valeriana officinalis	25	
Valeriana jatamansi	4	
Vanilla tahitensis	1	
Vanilla planifolia	20	60000.0
Veratrum viride	1	
Veratrum album	1	
Verbascum thapsus	2	
Verbena officinalis	1	
Vernonia cinerea	1	
Vetiveria zizanioides	4	
Viburnum prunifolium	5	
Viburnum opulus	3	
Vicia faba	3	5370.0
Vigna unguiculata	3	25354.0
Vigna radiata	3	20344.0
Vigna mungo	2	12550.0
Vigna angularis	1	1524.0
Vigna aconitifolia	3	6842.0
Viola tricolor	1	
Viola odorata	4	714.0



<b>Plants with Activity Synergy</b>	<b>Chemical Count</b>	<b>Total PPM</b>
<i>Virola surinamensis</i>	1	
<i>Vitellaria paradoxa</i>	2	
<i>Vitex agnus-castus</i>	10	
<i>Vitis vinifera</i>	13	166332.0
<i>Withania somnifera</i>	1	
<i>Zanthoxylum alatum</i>	5	
<i>Zea mays</i>	24	29846.0
<i>Zingiber officinale</i>	37	106110.0