

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for P450-Inducer**

Plants with Activity Synergy	Chemical Count	Total PPM
Abelmoschus moschatus	1	
Abelmoschus esculentus	1	
Abies spectabilis	1	
Abies balsamea	1	3100.0
Abies alba	1	2394.0
Abutilon theophrasti	1	
Acacia senegal	1	
Acacia nilotica	1	
Acacia farnesiana	1	
Acacia catechu	1	
Achillea millefolium	4	2996.0
Acinos suaveolens	4	
Acinos alpinus	1	
Acorus calamus	3	5100.0
Actinidia chinensis	1	
Aeolanthus myriantha	1	
Aesculus hippocastanum	1	
Agastache urticifolia	1	4928.0
Agastache nepetoides	2	
Agastache foeniculum	1	
Agathosma betulina	1	
Ageratum conyzoides	2	
Agrimonia eupatoria	1	
Ailanthus altissima	1	
Albizia lebeck	1	
Allium schoenoprasum	1	18.0
Allium sativum var. sativum	1	400.0

Plants with Activity Synergy	Chemical Count	Total PPM
Allium cepa	1	96200.0
Aloysia citrodora	4	3038.0
Alpinia officinarum	4	
Alpinia galanga	2	
Althaea officinalis	1	
Ammi visnaga	1	
Ammi majus	1	
Amomum compactum	2	
Anacardium occidentale	1	
Anastatica hierochuntica	1	
Anemone pulsatilla	1	
Anethum graveolens	4	
Angelica archangelica	2	2842.0
Annona squamosa	1	
Anogeissus latifolia	1	
Apium graveolens	2	1438000.0
Arachis hypogaea	1	
Aralia cordata	1	14.0
Araucaria bidwillii	1	
Arctostaphylos uva-ursi	1	
Ardisia japonica	1	
Armoracia rusticana	2	
Artemisia vulgaris	1	
Artemisia salsoloides	1	
Artemisia herba-alba	1	
Artemisia dracunculus	3	1000.0
Artemisia cina	1	48000.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Artemisia annua</i>	4	13200.0
<i>Artocarpus altilis</i>	1	
<i>Asarum canadense</i>	1	
<i>Asiasarum sieboldii</i>	1	
<i>Asimina triloba</i>	2	1.096
<i>Aspalathus linearis</i>	2	
<i>Asparagus officinalis</i>	1	
<i>Astragalus membranaceus</i>	1	
<i>Avena sativa</i>	3	620.0
<i>Averrhoa carambola</i>	1	
<i>Azadirachta indica</i>	1	2000.0
<i>Ballota nigra</i>	1	20.0
<i>Barosma betulina</i>	1	
<i>Basella alba</i>	1	
<i>Berberis vulgaris</i>	1	
<i>Beta vulgaris</i>	1	
<i>Borago officinalis</i>	1	
<i>Boronia megastigma</i>	1	15200.0
<i>Boswellia sacra</i>	1	
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	1	100.0
<i>Brassica oleracea</i> var. <i>italica</i>	2	
<i>Brassica oleracea</i> var. <i>gemmifera</i>	2	50.0
<i>Brassica oleracea</i> var. <i>capitata</i> l.	2	200.0
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	2	12.0
<i>Brassica oleracea</i>	1	40.0
<i>Bursera delpechiana</i>	1	720.0
<i>Caesalpinia pulcherrima</i>	1	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Calamintha nepeta</i>	3	
<i>Calendula officinalis</i>	1	
<i>Callicarpa americana</i>	3	
<i>Camellia sinensis</i>	4	25862.0
<i>Camptotheca acuminata</i>	1	
<i>Cananga odorata</i>	1	
<i>Cannabis sativa</i>	1	
<i>Capparis spinosa</i>	1	
<i>Capsicum frutescens</i>	4	126.0
<i>Capsicum annuum</i>	1	
<i>Carthamus tinctorius</i>	3	3.9
<i>Carum carvi</i>	3	61200.0
<i>Castanea sativa</i>	1	
<i>Catharanthus roseus</i>	1	
<i>Cedrus deodora</i>	1	
<i>Ceiba pentandra</i>	1	
<i>Centaurea cyanus</i>	1	
<i>Centaurea calcitrapa</i>	1	
<i>Centella asiatica</i>	3	
<i>Ceratonia siliqua</i>	1	
<i>Chamaemelum nobile</i>	2	
<i>Chenopodium ambrosioides</i>	1	
<i>Chrysanthemum x morifolium</i>	1	
<i>Chrysanthemum parthenium</i>	3	
<i>Chrysanthemum balsamita</i>	2	
<i>Cichorium intybus</i>	1	
<i>Cichorium endivia</i>	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Cinnamomum verum	2	1968.0
Cinnamomum camphora	3	6528.0
Cinnamomum aromaticum	2	
Cistus ladaniferus	1	2380.0
Citrullus lanatus	1	
Citrullus colocynthis	1	
Citrus sinensis	3	19956.0
Citrus reticulata	3	18992.0
Citrus paradisi	3	
Citrus mitis	1	
Citrus limon	2	
Citrus aurantium	2	16220.0
Citrus aurantiifolia	2	15140.0
Cleonia lusitanica	2	
Cocos nucifera	1	
Collinsonia canadensis	2	26.0
Commiphora wightii	1	
Commiphora myrrha	1	
Consolida ajacis	1	
Copaifera spp	1	
Coriandrum sativum	3	2476.0
Coriaria thymifolia	1	
Coriaria myrtifolia	1	
Coridothymus capitatus	1	
Cornus mas	1	
Cornus florida	1	
Corylus avellana	1	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Crataegus rhipidophylla</i>	1	
<i>Crataegus monogyna</i>	1	
<i>Crataegus laevigata</i>	1	
<i>Crataegus cuneata</i>	1	
<i>Crocus sativus</i>	3	
<i>Cucumis melo</i>	1	
<i>Cucurbita pepo</i>	1	
<i>Cuminum cyminum</i>	2	1668.0
<i>Cunila origanoides</i>	2	336.0
<i>Curcuma zedoaria</i>	1	3840.0
<i>Curcuma longa</i>	3	10295.0
<i>Cyamopsis tetragonoloba</i>	1	
<i>Cymbopogon parkeri</i>	1	1268.0
<i>Cymbopogon martinii</i>	1	
<i>Cymbopogon flexuosus</i>	1	
<i>Cymbopogon citratus</i>	3	
<i>Cynara cardunculus</i>	1	
<i>Cyperus rotundus</i>	1	
<i>Cytisus scoparius</i>	1	
<i>Daucus carota</i>	3	3952.0
<i>Dictamnus hispanicus</i>	1	
<i>Dictamnus albus</i>	1	
<i>Diospyros virginiana</i>	1	
<i>Dodonaea viscosa</i>	1	
<i>Dracocephalum thymiflora</i>	2	288.0
<i>Drimys winteri</i>	1	
<i>Echinacea spp</i>	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Echinacea purpurea	1	
Echinacea angustifolia	1	
Elaeagnus angustifolia	1	
Elettaria cardamomum	2	130962.0
Elsholtzia polystachya	3	
Elsholtzia pilosa	1	
Elsholtzia nipponica	1	
Elsholtzia eriostachya	1	
Elsholtzia cristata	1	
Elsholtzia blanda	3	
Ephedra sinica	3	
Equisetum arvense	1	
Eriobotrya japonica	1	
Eruca sativa	2	
Eucalyptus viridis	3	
Eucalyptus tetraptera	3	
Eucalyptus tereticornis	2	
Eucalyptus stoatei	3	
Eucalyptus sparsa	3	
Eucalyptus sp	1	
Eucalyptus sideroxylon	2	
Eucalyptus siderophloia	2	
Eucalyptus saligna	2	
Eucalyptus punctata	2	
Eucalyptus porosa	3	
Eucalyptus populnea	3	
Eucalyptus polyanthemos	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Eucalyptus paniculata	1	
Eucalyptus oviformis	2	
Eucalyptus odorata	3	
Eucalyptus ochrophloia	3	
Eucalyptus occidentalis	2	
Eucalyptus nova-anglica	3	
Eucalyptus moluccana	2	
Eucalyptus melliodora	2	
Eucalyptus melanophloia	3	
Eucalyptus maideni	2	
Eucalyptus maculata	2	
Eucalyptus leucoxydon	3	
Eucalyptus largisparsa	3	
Eucalyptus lansdowneana	3	
Eucalyptus intertexta	3	
Eucalyptus incrassata	3	
Eucalyptus globulus	3	63000.0
Eucalyptus forrestiana	3	
Eucalyptus fasciculosa	3	
Eucalyptus erythrandra	3	
Eucalyptus dolichorhyncha	3	
Eucalyptus diversicolor	2	
Eucalyptus desquamata	3	
Eucalyptus dealbata	2	
Eucalyptus cuprea	3	
Eucalyptus cladocalyx	2	
Eucalyptus citriodora	2	10000.0



Plants with Activity Synergy	Chemical Count	Total PPM
Eucalyptus ceratocorys	3	
Eucalyptus camaldulensis	2	
Eucalyptus bridgesiana	2	
Eucalyptus brassiana	2	
Eucalyptus botryoides	2	
Eucalyptus bosistoana	2	
Eucalyptus blakelyi	2	
Eucalyptus behriana	3	
Eucalyptus astringens	2	
Eucalyptus angulosa	3	
Eucalyptus albens	2	
Eucommia ulmoides	1	
Euodia rutaecarpa	1	
Eupatorium perfoliatum	1	
Euphorbia lathyris	1	
Euphorbia hirta	1	
Euphrasia officinalis	1	
Fagopyrum esculentum	1	
Ferula gummosa	1	
Ficus carica	2	
Filipendula ulmaria	1	
Foeniculum vulgare	3	23040.0
Forsythia suspensa	1	
Fragaria spp	1	
Galega officinalis	1	
Geranium thunbergii	1	
Ginkgo biloba	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Glechoma hederacea	2	86.0
Glycine max	1	
Glycyrrhiza uralensis	1	
Glycyrrhiza glabra	1	
Gossypium sp	1	
Guazuma tomentosa	1	
Haematoxylum campechianum	1	
Hamamelis virginiana	2	100.0
Hedeoma reverchonii	2	1630.0
Hedeoma pulegioides	2	1200.0
Hedeoma hispida	1	72.0
Hedeoma drummondii	2	5504.0
Hedychium flavum	1	
Helianthus annuus	3	1220.0
Hesperis matronalis	1	
Hibiscus sabdariffa	2	
Hibiscus rosa-sinensis	1	
Hippophae rhamnoides	1	
Holarrhena pubescens	1	
Houttuynia cordata	2	
Humulus lupulus	3	120.0
Hydrangea arborescens	1	
Hypericum perforatum	3	
Hyptis suaveolens	2	9890.0
Hyssopus officinalis	4	2908.0
Illicium verum	3	17442.0
Inula helenium	1	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Ipomoea batatas</i>	1	
<i>Isanthus brachiatus</i>	2	40.0
<i>Isatis tinctoria</i>	1	
<i>Juglans regia</i>	1	
<i>Juglans nigra</i>	1	
<i>Juniperus virginiana</i>	1	
<i>Juniperus sabina</i>	1	
<i>Juniperus communis</i>	3	1820.0
<i>Kalanchoe spathulata</i>	1	
<i>Kalanchoe pinnata</i>	1	
<i>Lactuca sativa</i>	1	
<i>Lantana camara</i>	2	
<i>Laurus nobilis</i>	4	40800.0
<i>Lavandula x intermedia</i>	3	2500.0
<i>Lavandula x hybrida</i>	2	
<i>Lavandula latifolia</i>	2	7462.0
<i>Lavandula angustifolia</i>	3	
<i>Lawsonia inermis</i>	1	320.0
<i>Ledum palustre</i>	1	
<i>Leonotis leonurus</i>	2	
<i>Leonurus cardiaca</i>	2	4.0
<i>Lepechinia calycina</i>	3	2280.0
<i>Levisticum officinale</i>	3	170.0
<i>Ligustrum lucidum</i>	1	
<i>Ligustrum japonicum</i>	1	
<i>Lindera benzoin</i>	3	
<i>Lippia dulcis</i>	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Lippia alba	2	
Litsea glaucescens	2	
Ludwigia perennis	1	
Ludwigia adscendens	1	
Lycium chinense	3	
Lycopersicon esculentum	1	
Lycopus virginicus	3	168.0
Lycopus uniflorus	2	364.0
Lycopus europeus	1	20.0
Maclura pomifera	1	
Magnolia officinalis	1	
Magnolia kobus	1	
Magnolia fargesii	1	
Magnolia denudata	4	
Malus domestica	1	526.0
Mangifera indica	2	
Maranta arundinacea	1	
Marrubium vulgare	2	
Matricaria recutita	1	
Medicago sativa	2	
Melaleuca sp	1	
Melaleuca leucadendra	1	
Melaleuca cajuputi	2	
Melaleuca alternifolia	3	
Melia azedarach	1	
Melilotus officinalis	1	
Melissa officinalis	2	172.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Mentha x rotundifolia</i>	1	1000.0
<i>Mentha x piperita</i>	3	5036.0
<i>Mentha spicata</i>	4	36976.0
<i>Mentha sp</i>	1	
<i>Mentha pulegium</i>	2	4736.0
<i>Mentha longifolia</i>	3	25955.0
<i>Mentha arvensis var. piperascens</i>	2	
<i>Mentha aquatica</i>	2	1428.0
<i>Menyanthes trifoliata</i>	1	
<i>Metrosideros sclerocarpa</i>	1	
<i>Micromeria varia</i>	2	
<i>Micromeria thymifolia</i>	2	
<i>Micromeria teneriffae</i>	2	
<i>Micromeria myrtifolia</i>	3	
<i>Micromeria juliana</i>	1	
<i>Micromeria fruticosa</i>	3	
<i>Micromeria croatica</i>	1	
<i>Micromeria congesta</i>	2	
<i>Minthostachys mollis</i>	1	
<i>Moldavica thymiflora</i>	2	
<i>Monarda russeliana</i>	2	858.0
<i>Monarda punctata</i>	2	19476.0
<i>Monarda media</i>	2	5670.0
<i>Monarda lindheimeri</i>	2	1144.0
<i>Monarda fistulosa</i>	2	11190.0
<i>Monarda didyma</i>	2	8314.0
<i>Monarda clinopodia</i>	2	3340.0

Plants with Activity Synergy	Chemical Count	Total PPM
Monarda citriodora	2	1408.0
Morinda citrifolia	1	
Moringa oleifera	1	
Morus alba	1	
Murraya koenigii	2	
Musa x paradisiaca	1	
Myrica cerifera	1	
Myristica fragrans	3	20640.0
Myroxylon balsamum	1	
Myrrhis odorata	1	
Myrtus communis	3	5324.0
Nardostachys jatamansi	1	360.0
Nardostachys chinensis	1	
Nelumbo nucifera	1	
Nepeta racemosa	4	
Nepeta cataria	1	
Nerium oleander	1	
Nicotiana tabacum	2	
Ocimum tenuiflorum	2	
Ocimum kilimandscharicum	2	
Ocimum gratissimum	2	
Ocimum canum	2	
Ocimum basilicum	4	1865.0
Oenothera biennis	1	414000.0
Olea europaea	1	
Ononis spinosa	1	
Origanum vulgare	5	2112.0

Plants with Activity Synergy	Chemical Count	Total PPM
Origanum syriacum	1	
Origanum sipyleum	3	
Origanum onites	2	80.0
Origanum minutiflorum	2	
Origanum majorana	1	1813.0
Paeonia suffruticosa	1	
Paeonia moutan	1	
Paeonia lactiflora	1	
Panax notoginseng	1	
Panax ginseng	2	
Passiflora incarnata	1	
Pastinaca sativa	2	
Pelargonium citrosum	1	
Perilla frutescens	2	
Persea americana	1	
Petasites hybridus	1	
Petroselinum crispum	3	3192.76
Peumus boldus	2	80800.0
Phoenix dactylifera	1	
Phyllanthus niruri	2	
Phyllanthus emblica	1	
Pilocarpus microphyllus	2	430.0
Pilocarpus jaborandi	1	4700.0
Pimenta racemosa	3	15100.0
Pimenta dioica	3	247.0
Pimpinella anisum	2	918.0
Pinus sylvestris	4	

Plants with Activity Synergy	Chemical Count	Total PPM
Pinus mugo	1	
Piper nigrum	5	240000.0
Piper cubeba	4	38000.0
Piper auritum	3	
Pistacia lentiscus	1	
Plectranthus incanus	2	
Plumeria acutifolia	1	
Podophyllum pleianthum	1	
Podophyllum peltatum	1	100000.0
Podophyllum hexandrum	1	
Pogostemon cablin	1	
Polygonum hydropiperoides	1	
Polygonum hydropiper	1	
Polygonum aviculare	1	
Populus tacamahacca	1	
Porophyllum ruderale	1	
Prosopis juliflora	1	
Prunella vulgaris	2	
Prunus spinosa	1	
Prunus serotina	1	
Prunus persica	1	
Prunus laurocerasus	1	
Prunus dulcis	1	
Prunus domestica	1	
Prunus cerasus	2	
Prunus armeniaca	1	
Psidium guajava	4	



Plants with Activity Synergy	Chemical Count	Total PPM
<i>Psidium cattleianum</i>	1	
<i>Psoralea corylifolia</i>	1	
<i>Pteridium aquilinum</i>	1	
<i>Pueraria montana</i>	1	
<i>Punica granatum</i>	1	
<i>Pycnanthemum virginianum</i>	2	29464.0
<i>Pycnanthemum verticillatum</i>	2	756.0
<i>Pycnanthemum torreyi</i>	2	140.0
<i>Pycnanthemum tenuifolium</i>	3	20480.0
<i>Pycnanthemum setosum</i>	2	16368.0
<i>Pycnanthemum pycnanthemoides</i>	2	11832.0
<i>Pycnanthemum pilosum</i>	2	5040.0
<i>Pycnanthemum muticum</i>	2	1900.0
<i>Pycnanthemum montanum</i>	2	2272.0
<i>Pycnanthemum loomisii</i>	2	57120.0
<i>Pycnanthemum incanum</i>	2	2584.0
<i>Pycnanthemum curvipes</i>	1	4646.0
<i>Pycnanthemum clinopodioides</i>	2	21736.0
<i>Pycnanthemum californicum</i>	2	1440.0
<i>Pycnanthemum beadlei</i>	2	714.0
<i>Pycnanthemum albescens</i>	2	11934.0
<i>Pyrus communis</i>	1	56.0
<i>Quercus velutina</i>	1	
<i>Quercus robur</i>	1	
<i>Quercus infectoria</i>	1	
<i>Quercus alba</i>	1	
<i>Ravensara aromatica</i>	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Rheum palmatum	1	
Rhododendron dauricum	1	
Rhus toxicodendron	1	
Rhus coriaria	1	
Ribes nigrum	3	14.0
Ricinus communis	1	
Rosa spp	1	
Rosa damascena	1	
Rosmarinus x mendizabalii	3	
Rosmarinus x lavandulaceus	3	
Rosmarinus tomentosus	3	
Rosmarinus officinalis	3	20150.0
Rosmarinus eriocalyx	3	
Rubus idaeus	2	
Rumex crispus	1	
Rumex acetosa	1	
Ruta graveolens	2	
Salix alba	1	
Salvia triloba	2	38580.0
Salvia sclarea	2	24.0
Salvia officinalis	3	17364.0
Salvia gilliesii	2	
Salvia dorisiana	3	
Sambucus nigra	1	
Sambucus canadensis	1	
Sanguisorba officinalis	1	
Sanguisorba minor	1	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Santolina chamaecyparissus</i>	1	
<i>Sassafras albidum</i>	3	
<i>Satureja thymbra</i>	1	
<i>Satureja subspicata</i>	2	
<i>Satureja parvifolia</i>	2	
<i>Satureja odora</i>	2	
<i>Satureja obovata</i>	1	
<i>Satureja montana</i>	3	
<i>Satureja hortensis</i>	2	
<i>Satureja grandiflora</i>	1	
<i>Satureja glabella</i>	1	100.0
<i>Satureja douglasii</i>	3	3432.0
<i>Satureja cuneifolia</i>	2	
<i>Satureja cilicica</i>	3	
<i>Saussurea lappa</i>	1	
<i>Schinus terebinthifolius</i>	1	
<i>Schinus molle</i>	1	
<i>Scutellaria parvula</i>	1	72.0
<i>Scutellaria lateriflora</i>	1	
<i>Scutellaria galericulata</i>	1	26.0
<i>Scutellaria churchilliana</i>	1	18.0
<i>Senna occidentalis</i>	1	
<i>Sideritis scardica</i>	1	
<i>Sideritis pauli</i>	3	
<i>Sideritis mugronensis</i>	3	
<i>Sideritis germanicolpitana</i>	3	
<i>Sideritis athoa</i>	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Silybum marianum	1	
Solanum tuberosum	1	
Solidago virgaurea	1	
Solidago gigantea	1	
Sophora japonica	1	
Sorbus aucubaria	1	
Spartium junceum	1	
Spinacia oleracea	1	38.0
Stachys germanica	2	132.0
Stevia rebaudiana	4	
Syzygium aromaticum	2	
Tabebuia impetiginosa	1	
Tagetes patula	1	
Tagetes minuta	2	250.0
Tagetes lucida	3	
Tagetes erecta	1	86.0
Tamarindus indica	2	
Tanacetum vulgare	2	2600.0
Tanacetum parthenium	3	
Taraxacum officinale	1	
Telosma cordata	1	
Terminalia ivorensis	1	
Terminalia chebula	1	
Terminalia catappa	1	
Teucrium scorodonia	3	
Teucrium scordium	1	
Teucrium salviastrum	3	

Plants with Activity Synergy	Chemical Count	Total PPM
Teucrium pseudoscorodonia	3	
Teucrium polium	3	
Teucrium oxylepis	3	
Teucrium montanum	1	
Teucrium micropodioides	3	
Teucrium kotschyianum	3	
Teucrium gnaphalodes	3	
Teucrium divaricatum	3	
Teucrium cyprium	3	
Teucrium botrys	1	
Teucrium asiaticum	3	
Teucrium arduini	3	
Theobroma cacao	1	
Thespesia populnea	1	
Thevetia peruviana	1	
Thuja occidentalis	1	
Thymus zygis	2	
Thymus x citriodorus	2	
Thymus vulgaris	1	10400.0
Thymus serpyllum	3	494.0
Thymus saturejoides	1	
Thymus riatarum	2	
Thymus orospedanus	2	280.0
Thymus mastichina	3	15570.0
Thymus longicaulis	2	
Thymus funkii	3	
Thymus cilicicus	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Thymus capitatus	3	260.0
Thymus broussonettii	1	
Tilia sp.	2	
Trachyspermum ammi	1	4080.0
Tribulus terrestris	1	
Trichostemma dichotomum	1	
Tridax procumbens	1	
Trifolium pratense	2	
Trigonella foenum-graecum	1	
Triticum aestivum	2	
Turnera diffusa	2	2200.0
Tussilago farfara	1	
Umbellularia californica	2	19040.0
Uncaria catechu	1	
Urginea maritima	1	
Urtica dioica	1	
Vaccinium vitis-idaea	1	
Vaccinium myrtillus	2	
Vaccinium macrocarpon	1	500.0
Vaccinium corymbosum	4	
Valeriana officinalis	5	
Vanilla planifolia	1	
Vetiveria zizanioides	2	
Viburnum opulus	1	
Vigna radiata	1	
Viola tricolor	1	
Viola odorata	2	

<b>Plants with Activity Synergy</b>	<b>Chemical Count</b>	<b>Total PPM</b>
Vitex agnus-castus	2	
Vitis vinifera	3	
Withania somnifera	1	
Xylopi aethiopica	1	
Zanthoxylum alatum	1	
Zea mays	5	
Zingiber officinale	5	7720.0