

Dr. Duke's Phytochemical and Ethnobotanical Database**List of Plant for Acidulant**

Plants	Chemical	Total PPM
Abelmoschus esculentus	1	4680
Abelmoschus moschatus	1	
Acacia decurrens	1	
Acacia farnesiana	1	5272
Acacia melanoxylon	1	
Acacia nilotica	1	
Acacia senegal	1	
Acalypha indica	1	
Achillea millefolium	1	6200
Acinos suaveolens	1	
Acorus calamus	1	
Actaea racemosa	2	
Actinidia chinensis	1	12740
Aegle marmelos	1	
Aesculus hippocastanum	2	
Agathosma betulina	1	9800
Akebia quinata	1	
Albizia lebbek	1	

Plants	Chemical	Total PPM
Aleurites moluccana	1	
Alliaria petiolata	1	
Allium ampeloprasum	1	13254
Allium cepa	3	10000
Allium sativum var. sativum	1	18664
Allium schoenoprasum	2	19750
Alocasia macrorrhiza	1	1244
Aloe spp.	1	
Aloe vera	1	12520
Aloysia citrodora	1	
Alpinia galanga	1	3688
Althaea officinalis	1	3280
Amaranthus sp.	1	12526
Amaranthus spinosus	1	
Ammi visnaga	1	
Amorphophallus campanulatus	1	558
Anacardium occidentale	1	40956
Anamirta cocculus	1	
Ananas comosus	2	8356.98
Anethum graveolens	1	2880

Plants	Chemical	Total PPM
Angelica archangelica	1	
Angelica sinensis	1	608
Annona cherimola	1	1450
Annona diversifolia	1	
Annona glabra	1	
Annona muricata	1	3080
Annona reticulata	1	2800
Annona squamosa	1	3200
Apium graveolens	3	7696
Arachis hypogaea	1	9496
Aralia cordata	1	2130
Arctium lappa	2	236
Arctostaphylos uva-ursi	1	382
Areca catechu	1	
Armoracia rusticana	1	49589
Arnica montana	2	
Arracacia xanthorrhiza	1	2140
Artemisia absinthium	1	5200
Artemisia dracunculus	1	1176
Artemisia vulgaris	1	11340

Plants	Chemical	Total PPM
Artocarpus altilis	1	3230
Artocarpus heterophyllus	1	870
Asimina triloba	2	1786.002
Aspalathus linearis	3	
Asparagus officinalis	1	11428
Astragalus gummifer	1	50000
Astragalus membranaceus	1	
Avena sativa	2	
Averrhoa bilimbi	1	
Averrhoa carambola	2	
Bacopa monnieri	1	
Bactris gasipaes	1	
Balanites aegyptiacus	1	780
Barosma betulina	1	9800
Basella alba	1	29570
Benincasa hispida	1	13500
Berberis vulgaris	1	
Bertholletia excelsa	1	14
Beta vulgaris	2	9128
Bixa orellana	1	260

Plants	Chemical	Total PPM
Blighia sapida	1	8530
Boehmeria nivea	1	11230
Borago officinalis	3	10010
Brassica chinensis	1	19426
Brassica napus var. napobrassica	1	4830
Brassica nigra	1	8026
Brassica oleracea	2	13780
Brassica oleracea var. botrytis l.	2	39320
Brassica oleracea var. capitata l.	2	13548
Brassica oleracea var. gemmifera	2	12138
Brassica oleracea var. italica	2	
Brassica oleracea var. sabellica l.	2	15440
Brassica oleracea var. viridis l.	1	7638
Brassica rapa	1	5160
Bromelia pinguin	1	6860
Brosimum alicastrum	1	
Bupleurum chinense	1	
Byrsonima crassifolia	1	
Cajanus cajan	1	5760
Calathea macrosepala	1	

Plants	Chemical	Total PPM
Calea zacatechichi	1	
Calendula officinalis	1	6200
Camellia sinensis	2	
Cananga odorata	1	
Canavalia ensiformis	1	3022
Canna indica	1	420
Cannabis sativa	1	
Capparis spinosa	1	4600
Capsella bursa-pastoris	2	13800
Capsicum annum	3	41964
Capsicum frutescens	3	42992
Carica papaya	2	22917
Carica pentagona	1	
Carthamus tinctorius	1	
Carya illinoensis	1	42
Casimiroa edulis	1	
Catha edulis	1	3220
Caulophyllum thalictroides	1	103.5
Centaurea cyanus	1	
Centella asiatica	1	1024

Plants	Chemical	Total PPM
Cephaelis ipecacuanha	1	
Chamaemelum nobile	1	534
Chenopodium album	1	18000
Chenopodium ambrosioides	1	2040
Chondrus crispus	1	260
Chrysanthemum coronarium	1	18260
Chrysanthemum parthenium	1	660
Chrysanthemum x morifolium	1	
Chrysobalanus icaco	1	
Chrysophyllum cainito	1	
Cicer arietinum	1	112
Cichorium endivia	1	18604
Cichorium intybus	1	4580
Cimicifuga racemosa	2	156
Cinnamomum aromaticum	2	618
Cinnamomum camphora	1	
Cinnamomum verum	1	618
Citrullus colocynthis	2	244
Citrullus lanatus	1	
Citrus aurantiifolia	1	8888

Plants	Chemical	Total PPM
Citrus aurantium	2	13894
Citrus limon	1	11132
Citrus mitis	1	
Citrus paradisi	2	7724
Citrus reticulata	1	7368
Citrus sinensis	2	8142
Cnicus benedictus	1	60
Cnidioscolus chayamansa	1	24400
Coccinia grandis	1	
Cocos nucifera	2	176
Coix lacryma-jobi	1	
Cola acuminata	1	2912
Colocasia esculenta	1	7900
Commiphora myrrha	1	
Corchorus olitorius	1	8160
Coriandrum sativum	2	12582
Coriaria thymifolia	1	
Corylus avellana	1	44
Crataegus laevigata	1	3770
Crataegus rhipidophylla	1	

Plants	Chemical	Total PPM
Croton tiglium	1	6000
Cucumis melo	1	8740
Cucurbita pepo	1	13688
Cucurbita spp	1	4680
Cuminum cyminum	1	152
Curcuma longa	1	586
Cyamopsis tetragonoloba	1	
Cyclanthera pedata	1	5600
Cydonia oblonga	1	1920
Cymbopogon martinii	1	
Cynara cardunculus	1	1656
Cyperus rotundus	1	180
Cyphomandra betacea	1	4120
Cyrtosperma chamissonis	1	1524
Datura metel	1	4440
Datura stramonium	4	
Daucus carota	2	1550
Digitalis purpurea	2	
Dioscorea alata	1	200
Dioscorea pentaphylla	1	280

Plants	Chemical	Total PPM
Dioscorea sp.	1	388
Dioscorea villosa	1	
Diospyros digyna	1	
Diospyros virginiana	1	3710
Duchesnea indica	2	
Durio zibethinus	1	
Echinacea purpurea	1	
Echinacea spp	1	5966
Elaeagnus angustifolia	1	
Elaeagnus commutata	1	
Elaeagnus umbellatus	1	
Elaeis guineensis	1	
Eleocharis dulcis	1	
Elettaria cardamomum	2	
Eleutherococcus senticosus	1	
Ephedra sinica	2	1442
Equisetum arvense	3	8145
Eriobotrya japonica	1	1680
Eriodictyon californicum	2	
Eruca sativa	2	

Plants	Chemical	Total PPM
Eryngium floridanum	1	3916
Erythrina berteroana	1	4680
Erythrina fusca	1	1560
Erythroxyllum coca	1	30
Erythroxyllum zambesiicum	1	
Eschscholzia californica	1	
Eugenia brasiliensis	1	
Eugenia floribunda	1	
Eugenia uniflora	1	
Eupatorium perfoliatum	1	
Euphorbia hirta	1	886
Euphrasia officinalis	1	134
Fagopyrum esculentum	1	
Feijoa sellowiana	1	
Ficus carica	3	8376
Filipendula ulmaria	1	
Foeniculum vulgare	2	6296
Fragaria spp	1	22596
Frangula purshiana	1	
Fucus vesiculosus	1	516

Plants	Chemical	Total PPM
Garcinia mangostana	1	
Genipa americana	1	2040
Gentiana lutea	1	366
Ginkgo biloba	3	1090
Glaucium flavum	1	
Gleditsia triacanthos	1	
Gliricidia sepium	1	6290
Glycine max	3	5480
Glycyrrhiza glabra	3	1552
Gossypium sp	1	
Gymnema sylvestre	1	
Haematoxylum campechianum	1	
Harpagophytum procumbens	1	
Hedeoma pulegioides	1	
Helianthus annuus	2	
Helianthus tuberosus	1	612
Helichrysum angustifolium	1	
Hibiscus rosa-sinensis	1	
Hibiscus sabdariffa	2	8861
Hippophae rhamnoides	1	

Plants	Chemical	Total PPM
Hordeum vulgare	1	6600
Humulus lupulus	1	3564
Hydrangea arborescens	1	
Hydrastis canadensis	1	1362
Hylocereus guatemalensis	1	
Hylocereus undatus	1	
Hypericum perforatum	1	3390
Inga edulis	1	
Inula helenium	1	
Ipomoea aquatica	1	14600
Ipomoea batatas	1	10840
Iris x germanica	1	19860
Juglans nigra	1	
Juglans regia	1	56104
Juniperus communis	4	1200
Justicia pectoralis	1	3734
Kalanchoe daegrिमontiana	1	
Kalanchoe pinnata	3	
Lablab purpureus	1	2253.2
Lactuca sativa	1	6000

Plants	Chemical	Total PPM
Lagenaria siceraria	1	5190
Larrea tridentata	1	1520
Laurus nobilis	1	
Lavandula x intermedia	1	
Lens culinaris	1	1350
Leonurus cardiaca	1	84
Lepidium meyenii	1	
Lepidium sativum	1	13020
Levisticum officinale	1	
Licania platypus	1	
Limonia acidissima	1	
Linum usitatissimum	1	7706
Lobelia inflata	1	4504
Luffa aegyptiaca	1	23992
Lycium chinense	1	1538
Lycopersicon esculentum	4	5904
Lycopus europeus	1	
Macadamia spp	1	
Maclura pomifera	1	
Malpighia glabra	1	344462

Plants	Chemical	Total PPM
Malus domestica	4	804
Malva neglecta	1	2350
Malva parviflora	1	9490
Malva sylvestris	1	5710
Mammea americana	1	
Mangifera indica	1	8380
Manihot esculenta	1	23060
Manilkara zapota	1	
Maranta arundinacea	1	430
Marrubium vulgare	1	
Matricaria recutita	1	
Mauritia flexuosa	1	
Medicago sativa	2	10834
Melia azedarach	1	
Melicoccus bijugatas	1	
Melissa officinalis	1	
Mentha arvensis var. piperascens	1	
Mentha spicata	2	
Mentha x piperita	2	
Menyanthes trifoliata	3	4094

Plants	Chemical	Total PPM
Mimosa pudica	1	5140
Mimulus glabratus	1	4400
Momordica charantia	1	97718
Morinda citrifolia	3	4640
Moringa oleifera	1	
Morus alba	2	8080
Muntingia calabura	1	
Murraya koenigii	1	
Murraya sp	1	1192
Musa x paradisiaca	3	3723
Myrciaria cauliflora	1	
Myrciaria dubia	1	
Myrica cerifera	1	1312
Myristica fragrans	1	
Myrrhis odorata	1	
Myrtus communis	1	2
Nandina domestica	2	
Nasturtium officinale	1	27380
Nelumbo nucifera	1	30
Nepeta cataria	1	

Plants	Chemical	Total PPM
Neurolaena lobata	1	
Nicotiana tabacum	3	
Nigella sativa	1	5154
Ocimum basilicum	1	2612
Ocimum gratissimum	1	
Ocimum sanctum	1	
Ocimum tenuiflorum	2	
Opuntia ficus-indica	1	3380
Origanum majorana	1	1110
Origanum vulgare	1	
Oryza sativa	1	
Oxalis tuberosa	1	4568
Pachira macrocarpa	1	510
Pachyrhizus erosus	1	3690
Panax ginseng	3	
Panax quinquefolius	3	330
Papaver somniferum	3	40000
Parthenium integrifolium	1	
Passiflora edulis	1	
Passiflora foetida	1	

Plants	Chemical	Total PPM
Passiflora incarnata	1	
Passiflora ligularis	1	
Passiflora mollissima	1	
Passiflora quadrangularis	1	6750
Pastinaca sativa	1	1660
Peperomia pelucida	1	
Peperomia pereskiaifolia	1	
Pereskia aculeata	1	
Perideridia gairdneri	1	604
Perilla frutescens	1	6972
Persea americana	1	1988
Persea schiedeana	1	
Petasites japonicus	1	11450
Petroselinum crispum	2	15390
Peucedanum ostruthium	1	
Phaseolus acutifolius	1	
Phaseolus coccineus	1	586
Phaseolus lunatus	1	2292
Phaseolus vulgaris	1	30120
Phoenix dactylifera	1	1500

Plants	Chemical	Total PPM
Phragmites australis	1	
Phyllanthus acidus	1	2558
Phyllanthus emblica	1	54586
Physalis alkekengi	1	8000
Physalis ixocarpa	1	920
Physalis peruviana	1	5730
Phytolacca americana	1	32368
Pimenta dioica	1	4134
Pimpinella anisum	1	18
Pinus cembroides	1	
Pinus edulis	1	
Pinus sylvestris	1	6000
Piper auritum	1	6740
Piper betel	1	4260
Piper nigrum	2	20
Pisum sativum	1	18954
Plantago major	2	
Plantago psyllium	1	
Platonia insignis	1	
Platycodon grandiflorum	1	

Plants	Chemical	Total PPM
Plectranthus amboinicus	1	
Polygonum hydropiper	1	
Polygonum multiflorum	1	
Polymnia edulis	1	2800
Portulaca oleracea	1	14000
Pothomorphe sp.	1	
Pourouma cecropiaefolia	1	
Pouteria caimito	1	
Pouteria campechiana	1	
Pouteria viridis	1	
Prunus armeniaca	1	1490
Prunus cerasus	4	1746
Prunus domestica	1	1398
Prunus dulcis	1	26
Prunus persica	3	2254
Prunus salicifolia	1	
Psidium cattleianum	1	4200
Psidium guajava	2	32615
Psophocarpus tetragonolobus	1	380
Psoralea esculenta	1	342

Plants	Chemical	Total PPM
Pteridium aquilinum	1	
Pterocarpus marsupium	1	8000
Punica granatum	2	1272
Pyrus communis	2	500
Quararibea cordata	1	
Quercus alba	1	254
Raphanus sativus	1	42162
Rehmannia glutinosa	1	42000
Rhamnus cathartica	1	
Rheum palmatum	1	
Rheum rhabarbarum	4	8828
Rhodymenia palmata	1	240
Ribes nigrum	2	20060
Ribes rubrum	2	5108
Ribes uva-crispa	2	4794
Rollinia mucosa	1	
Rosa canina	2	32400
Rosa gallica	1	16940
Rosa multiflora	1	4000
Rosa rubiginosa	1	25000

Plants	Chemical	Total PPM
Rosa spp	1	25000
Rosmarinus officinalis	2	1346
Rubus fruticosus	2	
Rubus idaeus	3	7940
Rumex acetosa	1	24800
Rumex acetosella	1	24000
Rumex crispus	1	8108
Ruscus aculeatus	1	277
Ruta graveolens	1	9580
Salix alba	1	136
Salvia officinalis	2	700
Sambucus canadensis	1	3564
Sambucus nigra	2	
Schisandra chinensis	2	2044
Schoenocaulon officinale	1	
Sclerocarya caffra	1	16380
Scutellaria lateriflora	1	2050
Sechium edule	1	12060
Senna alexandrina	1	
Serenoa repens	1	

Plants	Chemical	Total PPM
Sicana odorifera	1	
Sida rhombifolia	1	9090
Silybum marianum	2	
Sinapis alba	1	
Smilax officinalis	1	
Smilax spp	1	
Solanum melongena	1	13512
Solanum nigrum	1	8134
Solanum quitoensis	1	
Solanum torvum	1	550
Solanum tuberosum	3	1980
Sonchus oleraceus	1	1250
Sophora japonica	1	940
Sophora pachycarpa	2	
Sorbus aucubaria	1	5300
Spinacia oleracea	1	15190
Spirulina pratensis	1	
Spirulina spp.	1	
Spondias dulcis	1	5500
Spondias mombin	1	3230

Plants	Chemical	Total PPM
Spondias pinnata	1	4330
Spondias purpurea	1	4050
Stachys officinalis	1	
Stellaria media	1	5569
Sterculia urens	1	
Stevia rebaudiana	2	220
Symphytum officinale	1	264
Syringa vulgaris	1	
Syzygium aromaticum	1	1620
Syzygium cumini	1	
Syzygium jambos	1	
Syzygium malaccense	1	
Tabebuia heptaphylla	1	362
Tamarindus indica	3	2896
Tanacetum parthenium	1	
Taraxacum officinale	1	9702
Telosma cordata	1	
Terminalia catappa	1	
Terminalia chebula	2	1840
Tetragonia tetragonioides	1	10000

Plants	Chemical	Total PPM
Theobroma bicolor	1	
Theobroma cacao	3	14262
Theobroma speciosum	1	
Thuja occidentalis	2	
Thymus mastichina	1	
Thymus vulgaris	1	
Tilia sp.	1	
Tragopogon porrifolius	1	982
Tribulus terrestris	1	
Trichosanthes anguina	1	
Tridax procumbens	1	
Trifolium pratense	2	5932
Trigonella foenum-graecum	1	1676
Triticum aestivum	1	
Tropaeolum majus	1	15100
Tropaeolum tuberosum	1	9600
Tulipa gesneriana	1	
Turnera diffusa	1	1966
Ullucus tuberosus	1	3500
Ulmus rubra	1	

Plants	Chemical	Total PPM
Uncaria catechu	1	
Urtica dioica	4	1660
Vaccinium corymbosum	2	1757.4
Vaccinium macrocarpon	1	2203
Vaccinium myrtillus	2	3300
Vaccinium vitis-idaea	1	3730
Valeriana jatamansi	1	
Valeriana officinalis	2	
Vanilla planifolia	1	
Veratrum album	1	
Veratrum viride	1	
Verbascum thapsus	1	1552
Viburnum opulus	2	
Viburnum prunifolium	1	
Vicia faba	2	5110
Vigna aconitifolia	1	88
Vigna angularis	1	
Vigna mungo	1	896
Vigna radiata	1	3118
Vigna unguiculata	1	12346

Plants	Chemical	Total PPM
Viscum album	1	15000
Vitis vinifera	4	13560
Yucca baccata	1	262
Zea mays	2	192
Zingiber officinale	2	634
Zizyphus jujuba	1	7764
Zizyphus spina-christi	1	660