

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for GLYCINE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Fruit	440.0	4400.0	0.30769740137959467	USDA's Ag Handbook 8 and sequelae)
Acacia farnesiana	Leaf	2720.0	14590.0	1.1085158262772645	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Achillea millefolium	Plant				Tunon, H., Thorsell, W., and Bohlin, L. 1993. Mosquito Repelling Activity of Compounds Occurring in Achillea millefolium L. (Asteraceae). Economic Botany 48(2): 111-120, 1994.
Allium schoenoprasum	Leaf	1390.0	17375.0	1.8481537597591051	USDA's Ag Handbook 8 and sequelae)
Allium sativum var. sativum	Bulb	2000.0	4800.0	-1.0	--
Allium sativum var. sativum	Leaf				--
Allium cepa	Bulb	490.0	5341.0	1.0	--
Aloe vera	Leaf		5030.0	-1.4304208502349065	--
Alpinia galanga	Leaf				--
Amaranthus sp.	Leaf	1320.0	15880.0	1.45111293011625	--
Anacardium occidentale	Seed	8030.0	8169.0	-0.4024005622319234	--
Ananas comosus	Fruit	65.0	1259.0	-0.9073607916848047	--
Angelica sinensis	Root				Jim Duke's personal files.
Apium graveolens	Pt	210.0	4290.0		USDA's Ag Handbook 8 and sequelae)
Arachis hypogaea	Seed	15760.0	18993.0	1.1625612782547456	--
Arctium lappa	Root	310.0	1550.0	-0.9327345082827507	USDA's Ag Handbook 8 and sequelae)
Artemisia dracunculus	Shoot				--
Artemisia dracunculus	Leaf				--
Artemisia dracunculus	Root				--
Artocarpus altilis	Seed	4650.0	10635.0	-0.045859921189783166	USDA's Ag Handbook 8 and sequelae)
Asimina triloba	Fruit	389.0	3501.0	-0.040069970656347695	--
Asparagus officinalis	Shoot	990.0	12774.0	-1.0	--
Avena sativa	Seed		2000.0	-1.294330495155266	Jim Duke's personal files.*

Plant	Part	Low PPM	High PPM	StdDev	Reference
Averrhoa carambola	Fruit	260.0	2860.0	-0.28803313581211976	USDA's Ag Handbook 8 and sequelae)
Basella alba	Leaf	670.0	9710.0	-0.187510427005099	--
Bertholletia excelsa	Seed	6570.0	6797.0	-0.6007678613032196	USDA's Ag Handbook 8 and sequelae)
Beta vulgaris	Root	290.0	2287.0	-0.3761711380939947	USDA's Ag Handbook 8 and sequelae)
Borago officinalis	Leaf				Jim Duke's personal files.
Brassica rapa	Root	250.0	3075.0	0.2189061152421515	--
Brassica oleracea var. capitata l.	Leaf	270.0	3610.0	-1.8075432436080534	USDA's Ag Handbook 8 and sequelae)
Brassica chinensis	Leaf	430.0	9189.0	-0.3258771642920071	--
Brassica oleracea var. sabellica l.	Leaf	1590.0	10232.0	-0.04887811056792816	--
Brassica oleracea var. botrytis l.	Leaf	950.0	10203.0	-0.05657990592554876	--
Brassica oleracea var. botrytis l.	Flower	640.0	8270.0		--
Brassica rapa	Leaf	430.0	9189.0	-0.3258771642920071	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. viridis l.	Leaf	600.0	9834.0	-0.15457861237251436	--
Brassica napus var. napobrassica	Root	270.0	2610.0	-0.1322498781605236	USDA's Ag Handbook 8 and sequelae)
Cajanus cajan	Seed	6860.0	8970.0	-0.2865899160540019	--
Calathea allouia	Root	3920.0	4310.0	1.151546226752482	--
Camellia sinensis	Leaf				--
Canavalia ensiformis	Seed				--
Capsicum frutescens	Fruit	740.0	6038.0	0.9413380636653274	USDA's Ag Handbook 8 and sequelae)
Capsicum annuum	Fruit	310.0	4228.0	0.24116126345948113	--
Carica papaya	Fruit	180.0	1611.0	-0.7711938117552699	USDA's Ag Handbook 8 and sequelae)
Carum carvi	Seed	13220.0	14675.0	0.5382536999822551	Revised USDA data received 1993.
Castanea sativa	Seed	1070.0	2353.0	-1.2432928445924616	--
Castanea mollissima	Seed	1837.0	3271.0	-1.1105660366132708	--
Castanea dentata	Seed	2268.0	4038.0	-0.9996711981382823	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Centella asiatica	Plant				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ceratonia siliqua	Seed		24910.0	2.0180564011445847	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Chenopodium album	Leaf	2490.0	15861.0	1.446066926261257	--
Cicer arietinum	Seed	8030.0	9075.0	-0.2714087452067088	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	580.0	9340.0	-0.2857747126023274	--
Citrullus lanatus	Fruit		1178.0	-0.9386946705890442	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Citrus sinensis	Fruit	50.0	7097.0	1.3509995174874219	--
Citrus reticulata	Fruit	20.0	5158.0	0.6009206138414905	--
Citrus paradisi	Fruit				--
Cnidoscopus chayamansa	Leaf	2170.0	10850.0	0.11524980429446952	--
Cocos nucifera	Seed	1580.0	2980.0	-1.1526395672471974	USDA's Ag Handbook 8 and sequelae)
Cocos nucifera	Leaf				Jim Duke's personal files.
Cocos nucifera	Endosperm				Jim Duke's personal files.
Colocasia esculenta	Root	740.0	2520.0	-0.20021555430297686	--
Corchorus olitorius	Leaf	2140.0	17420.0	1.8601048215209302	--
Coriandrum sativum	Fruit				--
Crocus sativus	Bulb				--
Cryptotaenia japonica	Root				--
Cucumis sativus	Fruit	190.0	4810.0	0.46630098595660957	--
Cucurbita spp	Fruit	440.0	6962.0	1.298776385980356	--
Cucurbita foetidissima	Seed	14735.0	27700.0	2.421441797944086	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucurbita pepo	Seed	17960.0	39220.0	4.087033113761383	--
Cucurbita pepo	Fruit	270.0	8000.0	1.700314241568018	--
Daucus carota	Root	300.0	2455.0	-0.24930187596141531	--
Dioscorea pentaphylla	Root	460.0	2480.0	-0.23042252147740053	--
Echinacea purpurea	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Fagopyrum esculentum	Seed		9750.0	-0.17381550404553908	--
Ficus carica	Fruit	250.0	1197.0	-0.9313447483769386	USDA's Ag Handbook 8 and sequelae)
Foeniculum vulgare	Fruit	11070.0	12144.0	3.303370959829359	--
Foeniculum vulgare	Seed	11070.0	12144.0	0.17231519127274303	USDA's Ag Handbook 8 and sequelae)
Fragaria spp	Fruit	240.0	2847.0	-0.2930620299572446	USDA's Ag Handbook 8 and sequelae)
Ginkgo biloba	Seed	2320.0	6325.0	-0.6690108388262893	USDA's Ag Handbook 8 and sequelae)
Glycine max	Seed	16870.0	18445.0	1.0833300246898254	USDA's Ag Handbook 8 and sequelae)
Harpagophytum procumbens	Root				--
Helianthus annuus	Seed	14610.0	15400.0	0.6430760701183263	USDA's Ag Handbook 8 and sequelae)
Helianthus tuberosus	Tuber		2478.0	-0.9589643883137438	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Ipomoea batatas	Root	580.0	2725.0	-0.045404847534055576	--
Ipomoea aquatica	Leaf	990.0	13150.0	0.7260818498988622	--
Juglans regia	Seed	7550.0	7835.0	-0.45069114378426517	USDA's Ag Handbook 8 and sequelae)
Juglans nigra	Seed	12030.0	12580.0	0.2353531959338838	USDA's Ag Handbook 8 and sequelae)
Juglans cinerea	Seed	15080.0	15601.0	0.6721371685974302	--
Lablab purpureus	Seed	10280.0	11345.0	0.056793710253817624	--
Lactuca sativa	Leaf	570.0	9500.0	-0.24328204856028268	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Larrea tridentata	Plant		4200.0	-0.21783927246057364	--
Lens culinaris	Sprout Seedling	3190.0	10635.0	-0.07650916912078726	USDA's Ag Handbook 8 and sequelae)
Lentinus edodes	Fruit				--
Lepidium meyenii	Root		6830.0	3.054585158741173	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
Linum usitatissimum	Seed		0.352	-1.5834447610833413	--
Lupinus albus	Seed	15390.0	17185.0	0.9011559745223087	--
Lycium chinense	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lycopersicon esculentum	Fruit	23.0	3637.0	0.012539998861881632	--
Macadamia spp	Seed	3710.0	3815.0	-1.0319131133663428	USDA's Ag Handbook 8 and sequelae)
Malus domestica	Plant	80.0	497.0	-0.8208359653564842	--
Mangifera indica	Fruit	210.0	1900.0	-0.6593976265290327	--
Manihot esculenta	Root	640.0	2030.0	-0.5702509021896668	--
Melia azedarach	Plant				--
Mentha x piperita	Leaf	1800.0	8430.0	-0.5274517393414566	USDA's Ag Handbook 8 and sequelae)
Mentha spicata	Leaf	1580.0	10935.0	0.13782403206680577	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Seed		38.2	-1.5779725996145	Jim Duke's personal files.
Moringa oleifera	Shoot	5170.0	24225.0	1.0	USDA's Ag Handbook 8 and sequelae)
Mucuna pruriens	Seed	7200.0	15265.0	0.6235574218860924	--
Murraya sp	Fruit	450.0	1296.0	-0.893047785271757	--
Musa x paradisiaca	Fruit	450.0	1296.0	-0.893047785271757	USDA's Ag Handbook 8 and sequelae)
Nasturtium officinale	Herb	1120.0	22400.0	1.0	USDA's Ag Handbook 8 and sequelae)
Nelumbo nucifera	Rhizome	1560.0	7464.0	1.0	--
Nelumbo nucifera	Seed	2210.0	6697.0	-0.6152261192530225	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Nigella sativa</i>	Seed	8840.0	20700.0	1.4093637414578815	--
<i>Ocimum basilicum</i>	Leaf		6900.0	-0.9337878392435092	USDA's Ag Handbook 8 and sequelae)
<i>Oenothera biennis</i>	Seed	10500.0	11206.0	0.03669673170359155	--
<i>Opuntia ficus-indica</i>	Seed		14200.0	0.4695769747206912	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
<i>Opuntia ficus-indica</i>	Bud		4745.0		Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
<i>Oryza sativa</i>	Plant				--
<i>Pachyrhizus erosus</i>	Tuber	310.0	2855.0	-0.8182366442910574	--
<i>Panax quinquefolius</i>	Plant	23.0	1540.0	-0.6509937966580142	--
<i>Panax ginseng</i>	Leaf				--
<i>Panax ginseng</i>	Root				--
<i>Papaver somniferum</i>	Seed	11230.0	12047.0	0.15829068106143418	--
<i>Papaver bracteatum</i>	Seed	7750.0	9350.0	-0.23164853584475079	--
<i>Perideridia gairdneri</i>	Root		1842.0	-0.712223647909458	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
<i>Persea americana</i>	Fruit	660.0	3226.0	-0.14645042372629669	--
<i>Phaseolus vulgaris</i>	Sprout Seedling	1440.0	15484.0	1.261205834725475	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus lunatus</i>	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus vulgaris</i>	Seed	8430.0	9474.0	-0.21372029598699516	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus vulgaris</i>	Fruit	650.0	6680.0	1.1896880668322627	USDA's Ag Handbook 8 and sequelae)
<i>Phoenix dactylifera</i>	Fruit	40.0	3010.0	-0.2300074341376021	--
<i>Phyllanthus emblica</i>	Fruit	198.0	980.0	-1.0152885967994074	--
<i>Pinellia ternata</i>	Tuber				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pinus edulis	Seed	5890.0	6260.0	-0.6784087064936613	USDA's Ag Handbook 8 and sequelae)
Pinus pinea	Seed	12230.0	15000.0	0.5852430383191146	--
Pistacia vera	Seed	10950.0	11391.0	0.06344450891072696	--
Pisum sativum	Seed	1840.0	8704.0	-0.32504888220047773	--
Pisum sativum	Fruit	720.0	7122.0	1.360670467766508	--
Plantago ovata	Seed				--
Portulaca oleracea	Herb	460.0	11000.0	-1.0	--
Prunus cerasus	Fruit				--
Prunus persica	Fruit	240.0	1944.0	-0.6423767540378408	--
Prunus armeniaca	Fruit	400.0	2930.0	-0.26095447503067815	USDA's Ag Handbook 8 and sequelae)
Prunus dulcis	Seed	12360.0	12929.0	0.285812516178696	USDA's Ag Handbook 8 and sequelae)
Prunus domestica	Fruit	120.0	811.0	-1.0806642206860306	USDA's Ag Handbook 8 and sequelae)
Psidium guajava	Fruit	410.0	2952.0	-0.25244403878508226	USDA's Ag Handbook 8 and sequelae)
Psidium cattleianum	Fruit	290.0	1500.0	-0.814132830994413	--
Psophocarpus tetragonolobus	Leaf	1490.0	6436.0	-1.0570165649654388	--
Psophocarpus tetragonolobus	Tuber	3900.0	9155.0	1.533447141764445	--
Psophocarpus tetragonolobus	Seed	11400.0	12437.0	0.2146778870656656	--
Psoralea esculenta	Root		1097.0	-1.2748284115330988	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Pyrus communis	Fruit	110.0	679.0	-1.1317268381596062	--
Raphanus sativus	Root	220.0	4265.0	1.1175633886812555	--
Rehmannia glutinosa	Root	1000.0	2000.0	-0.5929061275704846	--
Rosmarinus officinalis	Leaf	1590.0	4935.0	-1.4556508695098707	USDA's Ag Handbook 8 and sequelae)
Salvia officinalis	Plant				Stitt, Paul. Why George should eat broccoli.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Sambucus canadensis</i>	Fruit	360.0	1782.0	-0.7050445118463198	USDA's Ag Handbook 8 and sequelae)
<i>Scutellaria baicalensis</i>	Root				--
<i>Secale cereale</i>	Seed	7010.0	7870.0	-0.4456307535018341	USDA's Ag Handbook 8 and sequelae)
<i>Sechium edule</i>	Fruit	450.0	6430.0	1.0929785640414	--
<i>Senna obtusifolia</i>	Seed		6890.0	-0.5873216814099028	--
<i>Sesamum indicum</i>	Seed	5890.0	19918.0	1.2963001642904226	--
<i>Silybum marianum</i>	Seed				--
<i>Sinapis alba</i>	Seed	13120.0	14038.0	0.4461545968420105	--
<i>Solanum tuberosum</i>	Tuber	620.0	5700.0	0.24375389084035604	--
<i>Solanum melongena</i>	Fruit	320.0	5452.0	0.7146509891235451	--
<i>Spinacia oleracea</i>	Plant	1340.0	15914.0	1.6896690344750718	USDA's Ag Handbook 8 and sequelae)
<i>Stachys officinalis</i>	Shoot				--
<i>Theobroma cacao</i>	Seed		900.0	-1.4533713326030981	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Thymus vulgaris</i>	Plant				Stitt, Paul. Why George should eat broccoli.
<i>Tilia sp.</i>	Fruit				--
<i>Trigonella foenum-graecum</i>	Seed	10630.0	14366.0	0.4935776829173641	--
<i>Triticum aestivum</i>	Seed	4830.0	5635.0	-0.7687728186799295	--
<i>Urtica dioica</i>	Leaf				Jim Duke's personal files.
<i>Vaccinium corymbosum</i>	Fruit	280.0	1819.0	-0.6907315054332721	--
<i>Valerianella locusta</i>	Leaf	790.0	10970.0	0.14711930232600304	--
<i>Vicia faba</i>	Seed	2300.0	12100.0	0.16595355777482973	USDA's Ag Handbook 8 and sequelae)
<i>Vigna angularis</i>	Seed	7560.0	8734.0	-0.32071140481553684	--
<i>Vigna unguiculata</i>	Seed		8550.0	-0.3473145994431742	--
<i>Vigna radiata</i>	Sprout Seedling	930.0	6618.0	-1.1846966656046878	USDA's Ag Handbook 8 and sequelae)
<i>Vigna unguiculata</i>	Seed		8550.0	-0.3473145994431742	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna radiata	Seed	9540.0	10489.0	-0.06696897779649544	USDA's Ag Handbook 8 and sequelae)
Vitis vinifera	Fruit	200.0	1029.0	-0.9963335342523983	USDA's Ag Handbook 8 and sequelae)
Zea mays	Seed	1270.0	5283.0	-0.8196658866632359	USDA's Ag Handbook 8 and sequelae)
Zingiber officinale	Shoot				--
Zingiber officinale	Rhizome	430.0	2486.0	-1.0	--
Zingiber officinale	Root	430.0	2486.0	-0.22589147640123697	USDA's Ag Handbook 8 and sequelae)
Zingiber officinale	Tuber				--