

List of Plants

OXALIC-ACID

Chemid

OXALICACID

Dosage

LD₅₀=700-30,000 (orl hmn) Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.

Father Nature's Pharmacy: The aggregate of all these three-letter citations.

Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

*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	Part	Low PPM	High PPM	StdDev	*Reference
Abelmoschus esculentus	Fruit	8.0	103.0	-0.3	*
Acacia nilotica	Plant	--	--		*
Aconitum napellus	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Acorus calamus	Plant	--	--		*
Aframomum melegueta	Fruit	--	--		Wealth of India.
Agave americana	Plant	--	--		*
Allium schoenoprasum	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Allium cepa	Bulb	--	10.0		*
Allium ampeloprasum	Plant	--	--		*
Allium cepa	Leaf	--	--		Gad, S. S., Esmat El-Zalaki, M., Hohamed, M. S., Mohasseb, S. Z. 1982. Oxalate Content of Some Leafy Vegetables and Dry Legumes Consumed Widely in Egypt. Food Chem., 8(3): 169-177. (Coll. Agric. Alexandria Univ. Ale.)
Alocasia macrorrhiza	Plant	--	--		*
Anacardium occidentale	Seed	--	3184.0	-0.03	*
Ananas comosus	Fruit	50.0	58.0	-0.3	*
Angelica archangelica	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Apium graveolens	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Arctostaphylos uva-ursi	Leaf	--	--		*
Avena sativa	Plant	--	400.0	-0.53	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Averrhoa carambola	Fruit	50000.0	95800.0	4.98	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Benincasa hispida	Fruit	--	34.0	-0.3	*

Beta vulgaris	Root	--	404.0	-0.4	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Brassica oleracea var. capitata l.	Leaf	30.0	350.0	-0.47	*
Brassica oleracea var. botrytis l.	Plant	--	68.0	-0.54	*
Brassica juncea	Leaf	--	1287.0	-0.44	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Byrsonima crassifolia	Bark	--	27300.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Camellia sinensis	Leaf	2192.0	10000.0	-0.18	*
Capparis spinosa	Plant	--	--		*
Capsella bursa-pastoris	Plant	--	--		*
Capsicum frutescens	Fruit	--	--		*
Capsicum annuum	Fruit	257.0	1171.0	-0.24	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Chenopodium album	Plant	140000.0	300000.0	2.0	*
Cicer arietinum	Seed	--	24.0	-0.67	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Cinnamomum verum	Bark	--	--		*
Citrus aurantiifolia	Fruit	--	--		*
Citrus sinensis	Fruit	--	87.0	-0.3	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Citrus reticulata	Fruit	--	--		*
Citrus paradisi	Plant	--	--		*
Coffea arabica	Fruit	--	154.0	-0.3	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Colocasia esculenta	Root	--	1334.0	0.19	*
Coriandrum sativum	Fruit	--	120.0	-0.3	*
Coriandrum sativum	Leaf	--	50.0	-0.47	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Crataegus rhipidophylla	Bark	--	--		*
Crataegus rhipidophylla	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Crataegus laevigata	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Crataegus laevigata	Bark	--	--		*
Cucurbita pepo	Juice	--	400.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Daucus carota	Root	--	56.0	-0.63	*
Ephedra sinica	Shoot	--	--		Jim Duke's personal files.
Equisetum arvense	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Eucalyptus citriodora	Bark	--	--		*
Fagopyrum esculentum	Leaf	--	111000.0	2.78	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ficus carica	Fruit	--	--		*
Ficus carica	Fruit Juice	--	--		Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
Glycine max	Seed	--	770.0	-0.52	*
Glycine max	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Glycyrrhiza glabra	Plant	--	--		*
Haematoxylum campechianum	Wood	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hibiscus sabdariffa	Flower	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ipomoea batatas	Root	--	1000.0	-0.02	*
Juniperus communis	Leaf	--	--		*
Kalanchoe pinnata	Plant	--	--		Tramil
Kalanchoe daegrिमontiana	Plant	--	--		*
Lactuca sativa	Leaf	110.0	136.0	-0.47	*
Lactuca virosa	Latex Exudate	--	10000.0		*
Lactuca scariola	Latex Exudate	--	--		*
Ledum palustre	Plant	--	--		*
Lens culinaris	Seed	--	212.0	-0.63	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Lupinus albus	Seed	--	--		*
Lycopersicon esculentum	Fruit	36.0	263.0	-0.29	*
Malus domestica	Plant	--	--		*
Mangifera indica	Fruit	--	300.0	-0.29	*
Manihot esculenta	Root	--	171.0	-0.55	*
Medicago sativa	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Mentha spicata	Leaf	--	38.0	-0.48	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Momordica charantia	Fruit	--	5.0	-0.31	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Moringa oleifera	Leaf	--	1010.0	-0.45	*
Moringa oleifera	Fruit	--	1010.0	-0.25	*
Morus alba	Leaf	--	--		*
Murraya sp	Fruit	22.0	5240.0	-0.02	*
Murraya koenigii	Leaf	--	1320.0	-0.44	=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
Musa x paradisiaca	Fruit	22.0	5240.0	-0.02	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.

Musa x paradisiaca	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Nicotiana tabacum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Opuntia ficus-indica	Fruit	--	--		*
Oryza sativa	Seed	--	46.0	-0.67	*
Papaver somniferum	Seed	--	16200.0	2.63	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Parthenocissus quinquefolia	Fruit	--	20000.0	0.8	*
Pastinaca sativa	Root	--	205.0	-0.53	*
Phaseolus vulgaris	Fruit	--	312.0	-0.29	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Phoenix dactylifera	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Physalis ixocarpa	Fruit	109.0	536.0	-0.28	*
Piper nigrum	Fruit	4000.0	34000.0	1.57	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper methysticum	Root	--	--		Madaus, G. 1976. Lehrbuch der Biologischen Hilfsmittel. Vol., 1-3. 2862 pp. (+ 144 p. index). Georg Olms Verlag, Hildesheim. Reprint of 1938 Madaus.
Piper betel	Leaf	--	--		*
Pisum sativum	Fruit	--	60.0	-0.3	*
Plantago psyllium	Seed	--	--		*
Plectranthus amboinicus	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Polygonum hydropiperoides	Plant	--	--		*
Portulaca oleracea	Plant	1679.0	16790.0	-0.39	*
Prunus persica	Hh	--	10.0		*
Prunus persica	Plant	--	10.0	-0.54	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Prunus dulcis	Seed	--	4073.0	0.16	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Psidium guajava	Fruit	--	140.0	-0.3	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Punica granatum	Fruit	--	140.0	-0.3	*
Raphanus sativus	Root	--	92.0	-0.6	*
Rheum officinale	Rhizome	--	--		*
Rheum rhabarbarum	Leaf	3000.0	11000.0	-0.15	*
Rheum rhabarbarum	Pt	4400.0	13360.0		*
Ribes rubrum	Fruit	--	--		*
Ribes nigrum	Fruit	--	200.0	-0.3	*
Ribes uva-crispa	Fruit	--	--		*
Rubus fruticosus	Leaf	--	--		*
Rumex acetosa	Leaf	--	3000.0	-0.39	*
Rumex crispus	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Rumex crispus	Leaf	5170.0	6970.0	-0.27	*
Rumex acetosella	Plant	--	--		*
Salvia officinalis	Plant	--	--		*
Sambucus nigra	Fruit	--	410.0	-0.28	*
Sechium edule	Fruit	--	340.0	-0.29	*
Sesamum indicum	Seed	--	--		*
Sinapis alba	Seed	--	--		*
Solanum melongena	Fruit	--	291.0	-0.29	*
Solanum tuberosum	Tuber	--	150.0		*
Sophora pachycarpa	Leaf	--	--		*
Spinacia oleracea	Leaf	5000.0	93900.0	2.28	*
Stellaria media	Shoot	2950.0	4330.0		*
Syzygium cumini	Fruit	--	--		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Tamarindus indica	Leaf	1000.0	1960.0	-0.42	*
Tamarindus indica	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Taraxacum officinale	Leaf	--	1700.0	-0.43	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Terminalia arjuna	Bark	--	--		Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
Terminalia bellirica	Bark	--	--		Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
Terminalia bellirica	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Terminalia chebula	Bark	--	--		Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
Terminalia catappa	Bark	--	--		Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
Theobroma cacao	Seed	1520.0	5000.0	0.34	*
Trichosanthes anguina	Fruit	10.0	340.0	-0.29	*
Trifolium pratense	Plant	--	--		*
Trigonella foenum-graecum	Leaf	--	--		*
Triticum aestivum	Fruit	--	111.0	-0.3	*
Tropaeolum majus	Shoot	--	--		*
Tulipa gesneriana	Bulb	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Urtica dioica	Plant	--	--		*
Vaccinium myrtillus	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vaccinium macrocarpon	Fruit	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Vanilla planifolia	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Viburnum prunifolium	Root Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Vicia faba	Fruit	10.0	70.0	-0.3	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vigna mungo	Seed	--	278.0	-0.62	*
Vitis vinifera	Fruit	--	34.0	-0.3	*
Zea mays	Fruit	--	99.0	-0.3	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Zingiber officinale	Root	--	5000.0	2.54	*
Zingiber officinale	Rhizome	--	5000.0		*