

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for STARCH

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus moschatus	Seed	133500.0	150000.0	-0.6485575814204301	Wealth of India.
Abelmoschus esculentus	Seed		89200.0	-0.8947625059380864	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Aconitum napellus	Root		250000.0	-0.2749885194147701	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Acorus calamus	Rhizome	250000.0	400000.0	-0.21818381438712206	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Actaea racemosa	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Aegle marmelos	Seed		175000.0	-0.5473220039049463	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aesculus hippocastanum	Seed	300000.0	600000.0	1.1736828138582762	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aframomum melegueta	Seed	220000.0	400000.0	0.3637981937344068	Wealth of India.
Allium sativum var. sativum	Root	29600.0	80000.0	-0.9861330113268916	--
Alocasia macrorrhiza	Root	215000.0	723900.0	1.7074313318626086	--
Alpinia officinarum	Rhizome	200000.0	250000.0	-1.1706719629335678	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Alpinia galanga	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Althaea officinalis	Root	39960.0	370000.0	0.2269958278173157	--
Amorphophallus campanulatus	Root	67200.0	747747.0	1.807188171266305	--
Ananas comosus	Leaf		30000.0	-0.15269733104161728	Wealth of India.
Ananas comosus	Fruit		19.0	-0.4565493616156333	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ananas comosus	Stem	100000.0	150000.0	1.0	Wealth of India.
Andira inermis	Bark				--
Angelica sinensis	Root	33000.0	150000.0	-0.6933088087748416	--
Arctium lappa	Root	28200.0	120000.0	-0.818804895582863	--
Arisaema triphyllum	Tuber	100000.0	170000.0	-1.2466661022617707	--
Armoracia rusticana	Root	39600.0	220000.0	-0.40048460622279153	--
Arracacia xanthorrhiza	Root	100000.0	250000.0	-0.2749885194147701	--
Astragalus gummifer	Gum	10000.0	30000.0		--
Atropa bella-donna	Root				--
Avena sativa	Seed	500000.0	600000.0	1.1736828138582762	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Bactris gasipaes	Seed		208000.0	-0.4136910415845079	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Berberis vulgaris	Bark		90000.0	0.06580046651608526	--
Bletilla striata	Tuber		304800.0	-0.677869667728327	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Brunfelsia uniflorus	Bark		13000.0	-1.0857076975154065	--
Caladium bicolor	Tuber				--
Calathea allouia	Root	130000.0	150000.0	-0.6933088087748416	--
Camellia sinensis	Leaf		5000.0	-0.820956985490708	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Carthamus tinctorius	Flower	14000.0	100000.0		--
Carum carvi	Seed		45000.0	-1.0737470069854615	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Carum carvi	Fruit		45000.0	-0.3878494415116057	--
Castanea sativa	Seed	450000.0	580000.0	1.0926943518458894	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Castanospermum australe	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Caulophyllum thalictroides	Root	15400.0	140000.0	-0.7351408377108487	--
Cephaelis ipecacuanha	Root	300000.0	400000.0	0.35249191462533713	--
Ceratonia siliqua	Fruit		350000.0	0.0779800338608496	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Chimaphila umbellata	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cimicifuga racemosa	Root	16800.0	80000.0	-0.9861330113268916	--
Cimicifuga racemosa	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cinchona spp	Bark				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Cnicus benedictus	Plant	10640.0	80000.0	-0.8427953808926898	--
Coix lacryma-jobi	Seed	500000.0	790000.0	1.9430732029759523	--
Cola acuminata	Seed		340000.0	0.12083280769724597	--
Colchicum autumnale	Tuber		210000.0	-1.0778837774743986	--
Colocasia esculenta	Root	245000.0	262000.0	-0.2247900846915615	--
Colocasia esculenta	Leaf		700.0	-0.9358976460559516	--
Coriandrum sativum	Fruit		100000.0	-0.30384740496903184	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Costus speciosus	Rhizome		333333.0	-0.6415139970480945	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Crataegus rhipidophylla	Fruit	150000.0	180000.0	-0.18166262454346976	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus laevigata</i>	Fruit	41850.0	180000.0	-0.18166262454346976	--
<i>Crocus sativus</i>	Silk Stigma Style	119900.0	130300.0		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Crotalaria juncea</i>	Seed		411000.0	0.40834184784121963	--
<i>Cucurbita foetidissima</i>	Root	259000.0	550000.0	0.9799723486654444	--
<i>Curcuma zedoaria</i>	Rhizome		500000.0	0.41680828464384206	--
<i>Curcuma xanthorrhiza</i>	Rhizome	300000.0	400000.0	-0.21818381438712206	--
<i>Curcuma longa</i>	Rhizome	300000.0	550000.0	0.7343043341593242	--
<i>Cycas revoluta</i>	Seed	68000.0	243700.0	-0.2691266368923972	--
<i>Cyperus rotundus</i>	Root		92000.0	-0.9359345766036831	--
<i>Cyphomandra betacea</i>	Fruit	10000.0	140000.0	-0.2427550147562508	--
<i>Cypripedium pubescens</i>	Root				--
<i>Cyrtosperma chamissonis</i>	Root	135000.0	655340.0	1.4206309414773437	--
<i>Daucus carota</i>	Root	14800.0	25200.0	-1.2153725298962108	--
<i>Dioscorea villosa</i>	Root	48000.0	200000.0	-0.48414866409480584	--
<i>Dioscorea bulbifera</i>	Tuber		800000.0	1.411655513139338	--
<i>Dioscorea alata</i>	Root	159000.0	743000.0	1.7873305071303822	--
<i>Drynaria fortunei</i>	Rhizome				--
<i>Durio zibethinus</i>	Fruit	80000.0	2857000.0	3.9069455904469006	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Echinacea purpurea</i>	Root	30120.0	120000.0	-0.818804895582863	--
<i>Eleocharis dulcis</i>	Tuber	70000.0	400000.0	-0.2761677347343818	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Elettaria cardamomum</i>	Seed	200000.0	400000.0	0.3637981937344068	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Fagopyrum esculentum	Seed		670000.0	1.4571424309016308	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Gentiana lutea	Root	35200.0	160000.0	-0.6514767798388345	--
Ginkgo biloba	Seed	407400.0	680000.0	1.497636661907824	--
Gloriosa superba	Bulb				--
Glycine max	Seed		10000.0	-1.2154768155071387	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Glycine max	Tissue Culture				--
Glycyrrhiza glabra	Shoot		15000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Glycyrrhiza glabra	Root	7850.0	200000.0	-0.48414866409480584	--
Helianthus tuberosus	Tuber		262600.0	-0.8559350203790045	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.
Hibiscus sabdariffa	Seed		111000.0	-0.8064850823445846	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hordeum vulgare	Seed		620000.0	1.2546712758706633	--
Hydnocarpus wightiana	Fruit				--
Hydrangea arborescens	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Hydrastis canadensis	Root	27700.0	180000.0	-0.5678127219668201	--
Ipomoea purga	Tuber				--
Ipomoea batatas	Root	118000.0	201000.0	-0.4799654612012051	--
Iris versicolor	Rhizome				--
Iris x germanica	Rhizome	200000.0	500000.0	0.41680828464384206	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Jateorhiza palmata	Root	300000.0	350000.0	0.1433317699453014	--
Jatropha curcas	Seed				--
Krameria triandra	Root				--
Lens culinaris	Seed		285000.0	-0.10188546283681814	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Levisticum officinale	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lindera benzoin	Plant				--
Linum usitatissimum	Seed	2000.0	39000.0	-1.0980435455891777	Cunane, S. and Thompson, L. U., eds. 1995. Flaxseed in Human Nutrition. AOCS Press, Champaign IL. 384 pp.
Lolium temulentum	Seed				--
Lycopersicon esculentum	Fruit	120.0	10000.0	-0.44130528294778915	--
Lycoris radiata	Bulb	200000.0	551000.0		--
Mangifera indica	Seed		728000.0	1.6920089707375527	--
Manihot esculenta	Root	280000.0	828400.0	2.144576034243884	--
Manilkara zapota	Fruit	29800.0	64000.0	-0.3588305561605348	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Maranta arundinacea	Rhizome	250000.0	695000.0	1.655042877754222	--
Medicago sativa	Plant	11280.0	60000.0	-0.988104929322464	--
Melia azedarach	Fruit				--
Melilotus alba	Seed		30000.0	-1.1344883534947519	--
Musa x paradisiaca	Stem		50000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Musa x paradisiaca	Fruit	7000.0	17500.0	-0.4298504597828927	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Myrica cerifera	Bark	13080.0	60000.0	-0.3828390779117685	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Myrica cerifera	Plant				--
Myristica fragrans	Aril		317000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Myristica fragrans	Seed		300000.0	-0.04114411632752793	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Nelumbo nucifera	Rhizome	92500.0	570988.0	0.8675764759039429	--
Nicotiana tabacum	Leaf	10000.0	20000.0	-0.4200011928212534	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oenothera biennis	Seed				--
Oryza sativa	Seed	722000.0	749000.0	1.7770468558505592	--
Pachyrhizus erosus	Tuber	97200.0	551645.0	0.36370715632514383	--
Paeonia suffruticosa	Root Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Paeonia officinalis	Root	140000.0	200000.0	-0.48414866409480584	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Paeonia moutan	Root Bark				--
Panax ginseng	Rhizome				--
Panax quinquefolius	Plant	80000.0	320000.0	0.9009192002645995	--
Panax ginseng	Root	25440.0	120000.0	-0.818804895582863	--
Parthenium integrifolium	Root	19200.0	120000.0	-0.818804895582863	--
Paullinia cupana	Seed	50000.0	60000.0	-1.0130056604761712	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Perideridia gairdneri</i>	Root		693000.0	1.5781703624503465	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>Phoenix dactylifera</i>	Fruit		206000.0	-0.14195257090516208	Abstract (See species file)
<i>Phyllanthus emblica</i>	Fruit	1800.0	8910.0	-0.4429700505810874	--
<i>Physostigma venenosum</i>	Seed	480000.0	500000.0	0.7687405037963416	--
<i>Phytelephas aequatorialis</i>	Mesocarp	16900.0	129020.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Phytelephas aequatorialis</i>	Seed		1.0	-1.2559669970902316	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Phytolacca americana</i>	Root				--
<i>Pimpinella anisum</i>	Seed		50000.0	-1.0534998914823648	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pinellia ternata</i>	Tuber		690000.0	0.9475041199740651	--
<i>Piper nigrum</i>	Fruit	280000.0	565000.0	0.4063516312545475	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Piper methysticum</i>	Root		430000.0	0.47798800143335857	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Piper betel</i>	Leaf	10000.0	31000.0	-0.12596694486365365	--
<i>Pistacia lentiscus</i>	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pisum sativum</i>	Seed	329000.0	434000.0	0.5014785791554647	--
<i>Polygonum multiflorum</i>	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Polypodium vulgare</i>	Rhizome		63000.0	-2.358107188121471	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prosopis juliflora	Fruit		163600.0	-0.20671050453071	--
Prunus persica	Seed		36000.0	-1.1101918148910357	--
Psidium guajava	Seed	130000.0	132000.0	-0.7214471972315784	--
Psoralea esculenta	Root		698400.0	1.6007596580757903	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.
Pteridium aquilinum	Rhizome		450000.0	0.09931223512836002	--
Pueraria montana	Root	130000.0	400000.0	0.35249191462533713	--
Pueraria pseudohirsuta	Root	100000.0	150000.0	-0.6933088087748416	--
Punica granatum	Seed		0.0	-1.2559710465133322	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Quillaja saponaria	Bark				--
Rauvolfia serpentina	Seed	126000.0	203000.0	-0.43393815708760464	--
Rheum officinale	Root	150000.0	160000.0	-0.6514767798388345	--
Ribes uva-crispa	Fruit		15000.0	-0.4336687341711915	--
Rosa canina	Fruit	33660.0	180000.0	-0.18166262454346976	--
Rumex hymenosepalus	Plant	250000.0	400000.0	1.4821573939836963	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ruscus aculeatus	Root	36240.0	120000.0	-0.818804895582863	--
Salix alba	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sanguinaria canadensis	Plant				--
Sassafras albidum	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Senna obtusifolia	Seed		2000.0	-1.2478722003120934	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sesamum indicum	Seed	150000.0	200000.0	-0.44608642638946266	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Simaba cedron	Seed		360000.0	0.2018212697096329	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Smilax spp	Root	52500.0	250000.0	-0.2749885194147701	--
Smilax officinalis	Root	52500.0	250000.0	-0.2749885194147701	--
Solanum tuberosum	Tuber	150000.0	800000.0	1.411655513139338	--
Stellaria media	Plant	9960.0	120000.0	-0.5521762840331416	--
Stellaria media	Root		15300.0	-1.2567862385428579	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Terminalia bellirica	Leaf	99800.0	127000.0	2.4401501282208553	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Teucrium montanum	Leaf		22000.0	-0.3665404204653262	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Theobroma cacao	Hb		60000.0		--
Theobroma cacao	Seed	50000.0	90000.0	-0.891522967457591	--
Trigonella foenum-graecum	Seed	19500.0	150000.0	-0.6485575814204301	--
Triticum aestivum	Seed	542000.0	800000.0	1.9835674339821459	--
Tulipa gesneriana	Bulb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Turnera diffusa	Branches		60000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Turnera diffusa	Leaf	10500.0	50000.0	0.38191039251765546	--
Ulmus rubra	Bark	13120.0	210000.0	1.8603586442275013	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Uncaria catechu	Plant				--
Viburnum prunifolium	Bark		55000.0	-0.4576123353164109	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vigna unguiculata	Seed	390000.0	400000.0	0.3637981937344068	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vigna aconitifolia	Seed		266000.0	-0.17882450174858575	--
Vigna unguiculata	Seed	390000.0	400000.0	0.3637981937344068	--
Viscum album	Stem				--
Withania somnifera	Root				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Xanthosoma sagittifolium	Root	257000.0	805640.0	2.049366336385531	--
Zea mays	Seed				--
Zingiber officinale	Rhizome	123000.0	500000.0	0.41680828464384206	--
Zingiber officinale	Root	35000.0	600000.0	1.18913249334548	--