

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Zea mays

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Seed	100000.0	885000.0	2.5226907802804104	--
0	CARBOHYDRATE	Seed	190209.0	838000.0	1.245405531356948	--
0	CARBOHYDRATES	Seed	190209.0	838000.0	1.250274868867074	--
0	CARBOHYDRATE	Silk Stigma Style		825000.0		--
0	CARBOHYDRATES	Silk Stigma Style		825000.0	1.0	--
1	ETHYL-PHENYLACETATE	Silk Essent. Oil	250000.0	740000.0		--
0	WATER	Silk Stigma Style		620000.0	1.0	--
0	NONAN-2-OL	Seed Essent. Oil		260000.0		--
0	NONAN-2-OL	Essential Oil		260000.0		--
0	HEPTAN-2-OL	Seed Essent. Oil		250000.0		--
0	HEPTAN-2-OL	Essential Oil	15000.0	250000.0		--
13	LIGNIN	Stem	213000.0	245000.0	0.9696172791853698	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	NONAN-2-OL	Husk Essent. Oil		132000.0		--
0	PROTEIN	Seed	22520.0	132000.0	-0.9055287385749634	--
0	HEPT-4-EN-OL	Essential Oil		120000.0		--
0	HEPT-4-EN-2-OL	Seed Essent. Oil		120000.0		--
0	PROTEIN	Silk Stigma Style		99000.0	-1.0	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	NONAN-1-AL	Husk Essent. Oil		97000.0		--
0	ASH	Seed	10000.0	90000.0	1.266866356182442	--
1	DECAN-1-AL	Silk Essent. Oil	10000.0	90000.0		--
0	BISABOLOL	Essential Oil		90000.0		--
15	FIBER	Silk Stigma Style		81000.0	1.0	--
0	2-ETHYL-1-CYCLOHEXEN-1-YL	Essential Oil		80000.0		--
0	HEX-TRANS-2-EN-1-AL	Husk Essent. Oil		68000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GLUTELIN	Fruit	14685.0	67325.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	HEPT-4-EN-2-OL	Husk Essent. Oil		64000.0		--
0	HEXAN-1-OL	Husk Essent. Oil		62000.0		--
0	HEPTAN-2-OL	Husk Essent. Oil		56000.0		--
0	PROLAMINE	Seed	45000.0	55000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FAT	Seed	10480.0	54579.0	-1.1104042561283503	--
0	HEX-CIS-3-EN-1-OL	Husk Essent. Oil		52000.0		--
0	HEXAN-1-AL	Husk Essent. Oil		50000.0		--
0	HEPTAN-1-AL	Silk Essent. Oil	20000.0	50000.0		--
0	UNDECAN-2-OL	Essential Oil		45000.0		--
0	UNDECAN-2-OL	Seed Essent. Oil		45000.0		--
0	FAT	Silk Stigma Style	25000.0	43000.0	-1.0	--
2	METHYL-PHENYLACETATE	Silk Essent. Oil	30000.0	40000.0		--
0	GUM	Silk Stigma Style		38000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	DEC-TRANS-2-TRANS-4-DIEN-1-AL	Husk Essent. Oil		37000.0		--
0	OCT-TRANS-2-EN-1-AL	Husk Essent. Oil		37000.0		--
0	DECA-TRANS-2-TRANS-7-TRIEN-1-AL	Husk Essent. Oil		37000.0		--
0	DECA-TRANS-2,TRANS-4-DIEN-1-AL	Husk Essent. Oil		37000.0		--
0	ASH	Silk Stigma Style		33000.0	-1.0	--
0	SAPONIN	Silk Stigma Style	23000.0	32000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NON-CIS-3-EN-1-OL	Seed Essent. Oil		30000.0		--
0	NON-CIS-3-EN-1-OL	Essential Oil		30000.0		--
0	HEPTAN-1-OL	Silk Essent. Oil	20000.0	30000.0		--
0	NONAN-1-OL	Seed Essent. Oil		30000.0		--
0	NONAN-1-OL	Essential Oil		30000.0		--
0	2-PENTYL-FURAN	Husk Essent. Oil		29000.0		--
0	NONAN-1-AL	Silk Essent. Oil	80000.0	28000.0		--
8	GLUTAMIC-ACID	Seed	6360.0	26457.0	-0.6436731379916952	USDA's Ag Handbook 8 and sequelae)
0	OCT-1-EN-3-OL	Husk Essent. Oil		25000.0		--
1	DECAN-1-AL	Husk Essent. Oil		24000.0		--
27	LINOLEIC-ACID	Seed	5420.0	22547.0	-0.724648681207493	USDA's Ag Handbook 8 and sequelae)
0	HEPTA-TRANS-2-CIS-4-DIEN-1-AL	Husk Essent. Oil	19000.0	21000.0		--
0	OCTAN-2-OL	Essential Oil		20000.0		--
0	OCTAN-2-OL	Seed Essent. Oil		20000.0		--
0	HEPTAN-2-OL	Silk Essent. Oil	10000.0	20000.0		--
0	NONAN-2-ONE	Essential Oil		20000.0		--
0	DEC-TRANS-2-TRANS-4-DIEN-1-AL	Silk Essent. Oil	6000.0	20000.0		--
0	NONAN-2-ONE	Seed Essent. Oil		20000.0		--
14	SUCROSE	Fruit	9000.0	19000.0	-0.6121007856075014	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ALPHA-YLANGENE	Essential Oil		17000.0		--
0	ALPHA-YLANGENE	Seed Essent. Oil		17000.0		--
24	PECTIN	Leaf	10000.0	17000.0	-0.9298021026280799	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	DECAN-2-OL	Essential Oil		15000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEPT-4-EN-2-ONE	Essential Oil		15000.0		--
0	HEPT-4-EN-2-ONE	Seed Essent. Oil		15000.0		--
0	DECAN-2-OL	Seed Essent. Oil		15000.0		--
0	HEPTAN-2-ONE	Seed Essent. Oil		15000.0		--
2	LEUCINE	Seed	3480.0	14477.0	-0.24929490146930922	USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Seed	3470.0	14435.0	-0.8604360359565065	USDA's Ag Handbook 8 and sequelae)
0	DECA-TRANS-2-CIS-4-DIEN-1-AL	Husk Essent. Oil		13000.0		--
2	PHENYL-ACETALDEHYDE	Husk Essent. Oil		13000.0		--
9	PHYTIC-ACID	Seed	7200.0	12900.0	-0.3647475557448543	--
3	ALANINE	Seed	2950.0	12272.0	0.44977179228929015	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Silk Stigma Style		12200.0		--
0	PROLINE	Seed	2920.0	12147.0	0.15935583041046553	--
13	BETA-IONONE	Husk Essent. Oil		12000.0		--
0	OCTAN-2-OL	Husk Essent. Oil		12000.0		--
14	POTASSIUM	Seed	2400.0	11450.0	-0.09850155432250932	--
3	ASPARTIC-ACID	Seed	2440.0	10150.0	-1.1042764584247933	USDA's Ag Handbook 8 and sequelae)
0	AMMONIA	Seed		10030.0	1.1562118467881217	--
0	HEXAN-1-OL	Silk Essent. Oil	2000.0	10000.0		--
0	NON-TRANS-2-EN-1-AL	Silk Essent. Oil		10000.0		--
0	HEPT-CIS-4-EN-2-OL	Silk Essent. Oil		10000.0		--
0	OCTAN-1-OL	Silk Essent. Oil	5000.0	10000.0		--
0	NON-TRANS-2-EN-1-AL	Husk Essent. Oil		10000.0		--
0	HEXAN-1-AL	Silk Essent. Oil	2000.0	10000.0		--
0	HEPTAN-1-AL	Husk Essent. Oil		10000.0		--
0	2-PENTYL-FURAN	Essential Oil		10000.0		--
0	2-PENTYL-FURAN	Seed Essent. Oil		10000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-ETHYL-HEX-AN-1-OL	Husk Essent. Oil		10000.0		--
0	OCT-TRANS-2-EN-1-OL	Husk Essent. Oil		10000.0		--
3	VALINE	Seed	1850.0	7696.0	-0.5315006159571728	USDA's Ag Handbook 8 and sequelae)
13	PALMITIC-ACID	Seed	1710.0	7114.0	-0.5528161466254179	USDA's Ag Handbook 8 and sequelae)
60	LIMONENE	Silk Essent. Oil		7000.0		--
0	DEC-TRANS-2-CIS-4-DIEN-1-AL	Silk Essent. Oil		7000.0		--
0	PHYTATE	Seed	310.0	6400.0	-0.7658880709229736	--
1	SERINE	Seed	1530.0	6365.0	-0.8067159497282409	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Seed	1500.0	6240.0	-0.6329654729366279	USDA's Ag Handbook 8 and sequelae)
0	GLOBULIN	Seed	4500.0	6000.0	-1.0	--
0	PECTINS	Plant		5900.0		--
4	LYSINE	Seed	1370.0	5699.0	-0.8668614509130552	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Seed	1310.0	5450.0	-0.8125917351666905	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Seed	1290.0	5366.0	-0.654028618470496	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	THREONINE	Seed	1290.0	5366.0	-0.6199585002377315	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Seed	1270.0	5283.0	-0.8196658866632359	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Seed	1230.0	5117.0	-0.6078994158411758	USDA's Ag Handbook 8 and sequelae)
7	GLUCOSE	Fruit	2000.0	5000.0	-0.8420433042200329	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	HEX-CIS-3-EN-1-OL	Silk Essent. Oil		5000.0		--
0	HEPTA-TRANS-2-EN-1-AL	Silk Essent. Oil		5000.0		--
4	PHOSPHORUS	Seed	600.0	4066.0	-0.34019475720359266	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	FRUCTOSE	Fruit	1000.0	4000.0	-0.878981825433364	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GEOSMIN	Essential Oil		4000.0		--
0	GEOSMIN	Seed Essent. Oil		4000.0		--
7	HISTIDINE	Seed	890.0	3702.0	-0.6439051932934873	USDA's Ag Handbook 8 and sequelae)
0	KILOCALORIES	Silk Stigma Style		3690.0		--
0	NONA-TRANS-2-TRANS-4-DIEN-1-AL	Silk Essent. Oil		3000.0		--
1	RAFFINOSE	Fruit	1000.0	3000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	NAPHTHALENE	Silk Essent. Oil		3000.0		--
13	BETA-PINENE	Silk Essent. Oil		3000.0		--
0	2-PENTYL-FURAN	Silk Essent. Oil		3000.0		--
0	HEX-TRANS-2-TRANS-4-DIEN-1-AL	Silk Essent. Oil		3000.0		--
0	HEPTA-TRANS-2-TRANS-4-DIEN-1-AL	Silk Essent. Oil		3000.0		--
0	DEC-TRANS-2-EN-1-AL	Silk Essent. Oil		3000.0		--
0	HEPTA-TRANS-2-CIS-4-DIEN-1-AL	Silk Essent. Oil		3000.0		--
2	PHYTOSTEROLS	Seed	600.0	2800.0	0.11866310014704903	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
15	METHIONINE	Seed	670.0	2787.0	-0.39450659411183164	USDA's Ag Handbook 8 and sequelae)
9	PHYTIC-ACID	Pollen Or Spore		2600.0		--
28	CALCIUM	Silk Stigma Style		2520.0		--
0	UNDEC-TRANS-2-EN-1-AL	Silk Essent. Oil		2000.0		--
0	GEOSMIN	Husk Essent. Oil		2000.0		--
0	OCTA-TRANS-2-TRANS-5-DIEN-2-ONE	Silk Essent. Oil		2000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NONAN-2-OL	Silk Essent. Oil		2000.0		--
2	TRANS-FERULIC-ACID	Seed		1800.0	1.3913139699802963	--
65	MAGNESIUM	Silk Stigma Style		1790.0		--
65	MAGNESIUM	Seed	100.0	1600.0	-0.531836823348677	--
47	BETA-SITOSTEROL	Silk Stigma Style		1300.0		--
0	EO	Silk Stigma Style	800.0	1200.0	-1.0	--
47	BETA-SITOSTEROL	Seed		1200.0	-0.17049741772155916	--
14	SULFUR	Fruit	6.0	1140.0	-0.19109679700613894	--
2	CYSTINE	Seed	260.0	1082.0	-1.438643753064175	USDA's Ag Handbook 8 and sequelae)
0	AMMONIA(NH3)	Seed		1030.0	-1.0102264913910184	--
0	OCT-1-EN-3-OL	Silk Essent. Oil		1000.0		--
0	TOCOPHEROLS	Seed	900.0	1000.0	0.07466844710536599	--
2	PHENYL-ACETALDEHYDE	Silk Essent. Oil		1000.0		--
13	BETA-IONONE	Silk Essent. Oil		1000.0		--
24	BENZALDEHYDE	Silk Essent. Oil		1000.0		--
0	OCT-TRANS-2-EN-1-AL	Silk Essent. Oil		1000.0		--
29	TRYPTOPHAN	Seed	230.0	957.0	-0.8075994083741	--
1	SODIUM	Seed	0.0	757.0	0.48595911191753866	--
14	GAMMA-TOCOPHEROL	Oil		752.0	1.413007494257776	--
15	ALPHA-LINOLENIC-ACID	Seed	160.0	666.0	-0.3177446681679559	USDA's Ag Handbook 8 and sequelae)
1	ACONITIC-ACID	Shoot		600.0		--
6	IRON	Silk Stigma Style		504.0		--
0	ALKALOIDS	Silk Stigma Style		500.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	STEARIC-ACID	Seed	110.0	457.0	-0.5554746921056529	USDA's Ag Handbook 8 and sequelae)
5	DAUCOSTEROL	Silk Stigma Style		440.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	CHOLINE	Seed		430.0	-1.1693297391425415	--
7	CHLORINE	Fruit		330.0	-0.4646995262356249	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	CAMPESTEROL	Seed		320.0	0.03885369220474866	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
4	PHOSPHORUS	Silk Stigma Style		287.0		--
5	ALUMINUM	Seed	1.0	275.0	0.09410564288080694	--
32	ALPHA-TOCOPHEROL	Oil	90.0	257.0	-0.32062252332922786	--
4	SILICON	Silk Stigma Style		237.0		--
14	BETAINE	Shoot		234.0	-0.18096389196058713	--
37	CARVACROL	Silk Stigma Style	144.0	216.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
5	ALUMINUM	Silk Stigma Style		213.0		--
12	STIGMASTEROL	Seed		210.0	-0.2634086805935878	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
28	CALCIUM	Seed	10.0	181.0	-0.7282806437807207	--
7	GLUTATHIONE	Seed	54.0	169.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	SODIUM	Silk Stigma Style		130.0		--
9	OXALIC-ACID	Fruit		99.0	-0.3008899412935749	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburgh & London. 1457 pp.
112	ASCORBIC-ACID	Seed	0.0	85.0	-0.28742699640223446	--
20	CHOLINE	Shoot		85.0	-0.6541437736274379	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOBEHENIC-ACID	Seed		80.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
39	NIACIN	Seed	16.0	71.0	0.8415661421509846	--
0	PROLINE	Root		69.0	-1.2553270966850225	--
0	2''-O-ALPHA-L-RHAMNOSYL-6-C-QUINOVOSYL-LUTEOLIN	Silk Stigma Style		67.0		--
2	COBALT	Silk Stigma Style		64.0		--
14	MANGANESE	Seed	0.84	63.0	0.11807339481595111	--
0	TITANIUM	Seed	0.06	63.0	1.607580416896206	--
14	BETAINE	Root		59.0	-0.3636422915694051	--
0	2''-O-ALPHA-L-RHAMNOSYL-6-C-FUCOSYL-LUTEOLIN	Silk Stigma Style		50.0		--
0	2''-O-ALPHA-L-RHAMNOSYL-6-C-FUCOSYL-3'-METHOXY-LUTEOLIN	Silk Stigma Style		50.0		--
25	P-COUMARIC-ACID	Seed	4.0	46.0	-0.4061463765475915	--
0	1-P-HYDROXY-TRANS-CINNAMOYL)-GLYCEROL	Seed		45.0		--
1	CALMODULIN	Pollen Or Spore		45.0		--
6	IRON	Seed	5.0	41.0	-0.5101323955139533	--
0	FERREDOXIN	Leaf		37.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
20	CHOLINE	Root		36.0	-0.4093082994350739	--
11	PANTOTHENIC-ACID	Seed	4.0	34.0	1.8074305020007495	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Silk Stigma Style		34.0	-1.0	--
28	VANILLIN	Seed	4.0	31.0		Jim Duke's personal files.
0	4-ACETYL-BENZOXAZOLIN-2-ONE	Fruit		27.0		--
1	METHYL-AMINE	Seed		27.0	-0.00897230932189183	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
61	FERULIC-ACID	Seed	6.0	27.0	-0.39634822822137994	--
39	NIACIN	Silk Stigma Style		25.0		--
0	LUTEIN+_ZEAXANTHIN	Seed	7.3	22.0		--
77	ZINC	Seed	4.0	20.0	-0.7135039207289134	--
12	COPPER	Fruit	0.0	20.0	0.5588968590110831	--
39	NIACIN	Cob	4.0	16.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	BORON	Seed	0.0	15.0	-0.4322002310973592	--
0	MEVALONIC-ACID	Seed		14.0		--
0	LEAD	Seed	0.0	14.0	3.374509206732274	--
0	STRONTIUM	Seed	0.12	14.0	-0.3817365776937731	--
0	BARIUM	Seed	0.0	14.0	-0.2565348698369248	--
24	CHROMIUM	Silk Stigma Style		13.0		--
0	2-CARBOXYARABINITOL	Leaf		12.0	-0.852521567452154	Moore, B. D., Isidoro, E., Seemann, J. R. 1993. Distribution of 2-Carboxyarabinitol Among Plants. Phytochemistry 34 3: 703-707. Dept. Biochem. Univ. Nevada Reno 89557, USA.
112	ASCORBIC-ACID	Silk Stigma Style		11.0		--
0	PROLINE	Shoot		11.0	-0.7071737762939713	--
31	THIAMIN	Fruit	2.0	8.0	0.3414272755878574	--
3	MANNOSE	Plant	1.0	7.0		--
11	PANTOTHENIC-ACID	Cob	3.0	7.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	NICKEL	Seed	0.12	6.3	0.2960271506106448	--
2	MOLYBDENUM	Seed	0.084	6.3	0.4479349477443534	--
60	SELENIUM	Silk Stigma Style		5.7		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	SALICYLATES	Fruit	1.0	5.0	-0.3224047195908981	--
0	YTTERBIUM	Seed	0.02	4.5	3.3139442766048837	--
15	TRIGONELLINE	Seed		4.0	-0.46810441555051263	--
15	RIBOFLAVIN	Fruit	1.0	4.0	-0.21615825716438572	--
2	DIMETHYL-AMINE	Seed	1.1	3.5	-0.32293776451998035	--
0	BENZYL-AMINE	Seed		3.4		--
15	RIBOFLAVIN	Cob	1.0	3.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
43	PYRIDOXINE	Cob	1.0	3.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	VIT-B-6	Seed	1.0	3.0	-0.7480591991066328	--
7	ALPHA-CAROTENE	Seed	0.5	2.5		--
53	BETA-CAROTENE	Seed	0.5	2.5	-0.27303542142102893	--
0	ETHYL-AMINE	Seed		2.4	0.24942329796316184	--
0	ISOPROPYL-AMINE	Seed		2.3		--
31	THIAMIN	Silk Stigma Style		2.1	-0.9999999999999999	--
15	FOLACIN	Fruit	1.0	2.0	-0.019192793995839758	--
0	ZIRCONIUM	Seed	0.2	1.8	-0.5968587488663253	--
4	TIN	Seed	1.0	1.8	-0.39709066551927835	--
24	CHROMIUM	Seed	0.0	1.65	-0.442125919797465	--
15	RIBOFLAVIN	Silk Stigma Style		1.5	-1.0	--
16	VANADIUM	Seed	0.05	1.35	0.6938324504308431	--
0	3-7-DIHYDROXY-INDOLIN-2-ONE-3-ACETIC ACID 7'-O-BETA-GLUCOSIDE	Seed		1.2		--
0	ZEANOSIDE-C	Seed		1.2		--
0	N-METHYL-BETA-PHENETHYLAMINE	Seed		1.1		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	N-METHYL-PHENETHYLAMINE	Seed		1.1	-1.0	--
3	CADMIUM	Seed	0.0	1.0	0.16237947527784696	--
25	P-COUMARIC-ACID	Shoot		1.0	-0.7071067811865475	Jim Duke's personal files.
2	COBALT	Fruit	0.01	0.8	-0.43826781025666195	--
102	CAFFEIC-ACID	Shoot		0.7	-0.7034493867354843	--
60	SELENIUM	Seed	0.0	0.5	-0.2588230372812833	--
15	FOLACIN	Seed	0.142	0.4	-0.9100137393533284	--
23	FOLIC-ACID	Seed	0.142	0.4	-0.3564545774203745	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	10-OXO-OCTADEC-TRANS-11-EN-13-OLIDE	Seed		0.3		--
11	LITHIUM	Seed	0.048	0.22	-0.9999999999999998	--
2	ARSENIC	Seed	0.001	0.211	1.5951685300488623	--
0	CASTASTERONE	Pollen Or Spore		0.12		--
1	MERCURY	Seed	0.0	0.072	-0.30034903182835404	--
0	TYPHASTEROL	Pollen Or Spore		0.066		--
4	BIOTIN	Cob	0.02	0.06		--
3	SILVER	Seed	0.012	0.055	-0.18268699040920042	--
0	TEASTERONE	Pollen Or Spore		0.041		--
8	ESTRONE	Seed Oil		0.04		--
5	PHYLLOQUINONE	Oil		0.03	-1.0603756768844963	--
2	ZEATIN	Plant		0.014		--
12	IODINE	Seed		0.012	-0.2773081368232745	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	PHYLLOQUINONE	Fruit		0.003	-0.2325377501021479	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	MELATONIN	Seed		0.001		Hattori, A., et. al. 1995. Identification of Melatonin in Plants and its Effects on Plasma Melatonin Levels and Binding to Melatonin Receptors in Vertebrates. Biochem. Mol. Biol. Int., 35(3): 627-634.
53	BETA-CAROTENE	Silk Stigma Style		0.0		--
0	8-HYDROXY-QUINOL-2-ONE-4-CARBOXYLIC-ACID-8'-O-BETA-D-GLUCOSIDE	Seed		0.0		--
0	24-ETHYL-CHOLESTEROL	Root				--
0	ZEA MAYS PROTEASE INHIBITOR	Fruit				--
0	PROTEASE INHIBITOR C1-4-A	Endosperm				--
0	DELTA-AMINO-LEVULINIC-ACID	Sprout Seedling				--
0	PHOSPHOENOL-PYRUVATE	Sprout Seedling				--
0	HEXAN-1-OL	Seed Essent. Oil				--
0	OCTAN-2-OL	Plant				--
7	GLUTATHIONE	Root				--
2	NEOXANTHIN	Leaf				--
77	CHLOROGENIC-ACID	Leaf				--
0	APIGENIN-GLYCOSIDE	Plant				--
0	LUTEOFOROL	Silk Stigma Style				--
15	INDOLE	Shoot				--
0	ABSCISSIN-II	Seed				--
0	CHRYSANTHEMIN	Pericarp				--
0	INDOLE-3-ACETIC-ACID-MYOINOSITOL	Seed				--
2	VIOLAXANTHIN	Leaf				--
22	MYRCENE	Seed Essent. Oil				--
0	PENTAN-3-ONE	Silk Stigma Style				--
0	HEX-TRANS-2-EN-1-OL	Silk Stigma Style				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CHELIDONIC-ACID	Shoot				--
0	OCT-1-EN-3-OL	Plant				--
0	FIXED-OIL	Seed				--
0	ALPHA-ZEIN	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	5-DEHYDRO-AVENASTEROL	Seed				--
0	HEPTAN-1-OL	Seed Essent. Oil				--
0	HEXAN-1-OL	Plant				--
0	UNDECAN-2-OL	Husk Essent. Oil				--
0	2-METHYL-PENT-2-EN-1-AL	Silk Stigma Style				--
0	UNDECAN-2-OL	Silk Stigma Style				--
8	GLYCEROL	Plant				--
5	STARCH	Seed				--
0	1,2,4-TRIMETHYL-BENZENE	Silk Stigma Style				--
0	PECTIC POLYSACCHARIDE	Shoot				--
176	QUERCETIN	Plant				--
0	DECA-TRANS-2-TRANS-4-TRANS-7-TRIEN-1-AL	Husk Essent. Oil				--
7	ASTRAGALIN	Pollen Or Spore				--
0	AFLATOXIN B-1	Plant				--
0	NONAN-1-OL	Silk Stigma Style				--
0	ISORHAMNETIN-3-O-BETA-D-GLUCOSIDE	Pollen Or Spore				--
0	3-METHYL-BUTAN-1-OL	Silk Stigma Style				--
53	LINALOOL	Leaf				--
0	HEX-1-EN-3-OL	Silk Stigma Style				--
2	TRANS-FERULIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-(2,4-DIHYDROXY-7-METHOXY-1,4-BENZOXAZIN-3-ONE-BETA-D-GLUCOPYRANOSIDE	Sprout Seedling				--
10	SQUALENE	Seed Oil				--
0	GEOSMIN	Plant				--
13	BETA-IONONE	Silk Stigma Style				--
0	CYANIDIN-3-DIMALONYL-GLUCOSIDE	Leaf				--
0	2-THIOPHENE-ACETALDEHYDE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ZEA MAYS ALPHA-AMYLASE INHIBITOR	Seed				--
0	HEPT-CIS-4-EN-2-ONE	Leaf				--
0	1-O-SINAPOYL-BETA-D-GLUCOSE	Leaf				--
0	PHYTOHEMAGGLUTININ	Silk Stigma Style				--
2	FRIEDELIN	Shoot				--
0	RHAMNOGALACTURONAN-I	Tissue Culture				--
0	NONA-TRANS-2-TRANS-4-DIEN-1-AL	Husk Essent. Oil				--
0	DECAN-2-ONE	Essential Oil				--
0	PHOSPHATIDYL-INOSITOL	Plant				--
7	GLUCOSE	Sprout Seedling				--
0	NEOCRYPTOXANTHIN	Plant				--
0	CHITINASE B	Seed				--
0	APIGENIDIN	Silk Stigma Style				--
0	TEASTERONE	Seed				--
0	ABSCISIC-ACID	Flower				--
0	CHRYSANTHEMIN	Seed				--
0	INDOLE-3-ACETIC-ACID-CELLULOSE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	VINYL-ETHYL-PHENETHYL-KETONE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
22	MYRCENE	Husk Essent. Oil				--
0	D-GLUCURONIC-ACID	Plant				--
0	PENTAN-2-OL	Silk Stigma Style				--
1	CELLULOSE	Plant				--
2	TRANS-BETA-FARNESENE	Root				--
0	METHYL-PYRAN-2-CARBOXALDEHYDE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	2-(2-4-DIHYDROXY-7-METHOXY-1-4(2H)-BENZOXAZIN-3(4H9-ON)-BETA-D-GLUCOSIDIHYDROXY-7-METHOXY	Sprout Seedling				--
0	ALPHA-ZEACAROTENE	Plant				--
1	LEUCOPELARGONIDIN	Plant				--
8	INOSITOL	Plant				--
0	5,6-DIHYDRO-2-PYRAN-2-CARBOXALDEHYDE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	HEPT-TRANS-2-EN-1-AL	Husk Essent. Oil				--
0	UNDECAN-1-AL	Husk Essent. Oil				--
0	2-METHYL-NAPHTHALENE	Silk Essent. Oil				--
0	APS-SULFOTRANSFERASE	Leaf				--
10	SQUALENE	Seed				--
0	1,2,3-TRIMETHYL-BENZENE	Silk Stigma Style				--
0	OCTAN-2-ONE	Seed Essent. Oil				--
1	PYRUVIC-ACID	Sprout Seedling				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DECA-TRANS-2-CIS-4-DIEN-1-AL	Seed Essent. Oil				--
0	MALTOSYL-TRANSFERASE	Plant				--
0	AFLATOXIN	Plant				--
10	ALPHA-AMYRIN	Plant				--
0	ISORHAMNETIN-3,4'-O-DIGLUCOSIDE	Pollen Or Spore				--
3	XYLOSE	Plant				--
0	3-FERULOYLQUINIC-ACID	Leaf				--
60	LIMONENE	Seed Essent. Oil				--
0	HEPTAN-2-OL	Plant				--
2	TRANS-BETA-FARNESENE	Leaf				--
0	2-(2,4-DIHYDROXY-7-METHOXY-1,4(2H)-BENZOXAZIN-3(4H9	Plant				--
47	BETA-SITOSTEROL	Shoot				--
0	DODECAN-1-AL	Silk Essent. Oil				--
0	CYANIDIN-3-(6'-MALONYL-GLUCOSIDE)	Leaf				--
0	P-VINYL-GUAIACOL	Husk Essent. Oil				--
0	ZEA GLYCOPROTEIN U-CSE-100	Silk Stigma Style				--
0	1-O-FERULOYL-BETA-D-GLUCOSE	Leaf				--
0	NON-TRANS-2-EN-1-AL	Leaf				--
0	PHOSPHATIDYL-ETHANOLAMINE	Plant				--
0	HEXAN-1-OL	Leaf				--
15	CITRONELLOL	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	GERANYL-ACETONE	Seed Essent. Oil				--
0	BETA-ZEIN	Plant				--
0	CHITINASE A	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	APIFOROL	Silk Stigma Style				--
12	STIGMASTEROL	Silk Stigma Style				--
15	LUTEIN	Leaf				--
0	2-(5-CHLORO-2-HYDROXY-7-METHOXY-(2H)-1,4-BENZOXAZIN-3-(4H)-ONE-BETA-D-GLUCOPYRANOSIDE	Root				--
0	8-HYDROXY-QUINOL-2-ONE-4-CARBOXYLIC-ACID-8'-O-BETA-D-GLUCOSIDE	Plant				--
0	CHRYSANTHEMIN	Leaf				--
7	INDOLE-3-ACETIC-ACID	Seed				--
0	2-PHENYLALDEHYDE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
22	MYRCENE	Leaf				--
0	PENTAN-1-OL	Silk Stigma Style				--
0	HEX-TRANS-2-EN-1-AL	Silk Stigma Style				--
0	OBTUSIFOLIOL	Shoot				--
0	ETHYL-AMINE	Sprout Seedling				--
9	BETA-AMYRIN	Shoot				--
0	VIT-K	Silk Stigma Style				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	2(H)-1-4-BENZOXAZIN-3(4H)-ONE	Sprout Seedling				--
1	LEUCOCYANIDIN	Plant				--
31	CARYOPHYLLENE	Leaf				--
0	4-VINYL-PHENOL	Seed				--
0	HEPT-4-EN-2-OL	Silk Stigma Style				--
0	HEXAN-1-AL	Plant				--
0	2-METHYL-BUTAN-1-OL	Silk Stigma Style				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
32	ALPHA-TOCOPHEROL	Seed Oil				--
1	SPERMINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	1,1-DIPHENYL-ETHANE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
76	EUGENOL	Seed				--
1	PYRROLIDINE	Seed				--
2	GLUTEN	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	MALONIC-ACID	Plant				--
0	ALPHA-AMYLASE	Plant				--
3	INDOLE-3-BUTYRIC-ACID	Leaf				--
22	ISOQUERCITRIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	XYLOARABINOSE	Plant				--
0	3,7-DIHYDROXY-INDOLIN-2-ONE-3-ACETIC-ACID-7'-O-BETA-D-GLUCOSIDE	Plant				--
60	LIMONENE	Silk Stigma Style				--
0	TRANS-24-METHYL-23-DEHYDRO-LOPHENOL	Seed				--
0	2-(2,4-DIHYDROXY-1,4(2H)-BENZOXAZIN-3(4H)-ON-BETA-D-GLUCOSIDE	Sprout Seedling				--
0	SD	Plant				--
0	OCT-1-EN-3-OL	Silk Stigma Style				--
0	DIOXYCINNAMIC-ACID	Plant				--
7	INDOLE-3-ACETIC-ACID	Juice				--
7	CYANIDIN	Silk Stigma Style				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	P-HYDROXYBENZALDEHYDE	Cob				--
0	HEPTAN-2-OL	Silk Stigma Style				--
2	CADAVERINE	Plant				--
0	DECA-TRANS-2-CIS-4-DIEN-1-AL	Silk Stigma Style				--
0	HEPT-4-EN-OL	Plant				--
6	SYRINGIC-ACID	Tissue Culture				--
0	1-ACETO-NAPHTHONE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	QUINIC-ACID	Plant				--
0	DECAN-1-OL	Silk Stigma Style				--
2	PHOSPHATIDYL-CHOLINE	Plant				--
0	HEXAN-1-OL	Silk Stigma Style				--
1	CINNAMIC-ACID-ETHYL-ESTER	Silk Stigma Style				--
0	OCTADECENOIC-ACID	Seed				--
2	GERANYL-ACETONE	Husk Essent. Oil				--
0	BETA-ZEACAROTENE	Plant				--
0	N-PROPYL-GALLATE	Seed				--
2	CHELIDONIC-ACID	Root				--
0	ANTHRANILIC-ACID-BETA-D-GLUCOSIDE	Leaf				--
12	STIGMASTEROL	Seed Oil				--
0	LOPHENOL	Shoot				--
0	7-DEHYDRO-AVENASTEROL	Seed				--
0	CASTASTERONE	Seed				--
15	INDOLE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	VANILLIC-ACID	Sprout Seedling				--
0	2-PENTYL-FURAN	Plant				--
0	PENT-1-EN-2-OL	Silk Stigma Style				--
0	HEX-TRANS-2-EN-1-AL	Leaf				--
0	O-DIETHYL-PHTHALATE	Silk Stigma Style				--
6	ETHYL-ACETATE	Shoot				--
0	BETA-AMYLASE	Plant				--
4	TRYPTAMINE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	1,2-DIMETHOXY-BENZENE	Husk Essent. Oil				--
0	ZEANOSIDE A	Seed				--
4	4-VINYL-GUAIACOL	Seed				--
0	2-METHYL-BUTAN-1-AL	Silk Stigma Style				--
32	ALPHA-TOCOPHEROL	Seed				--
0	GLUTAMIC-ACID-DECARBOXYLASE	Plant				--
1	SPERMIDINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ALPHA-MUUROLENE	Leaf				--
0	CYSTATHIONE	Plant				--
0	MALIC-ACID-DEHYDROGENASE	Plant				--
176	QUERCETIN	Pollen Or Spore				--
12	ALLANTOIN	Seed				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	INDOLE-3-BUTYRIC-ACID	Seed				--
0	XYLENE	Husk Essent. Oil				--
0	3'-O-METHYL-MAYSIN	Silk Stigma Style				--
60	LIMONENE	Husk Essent. Oil				--
0	2,4-METHYLENE-CHOLESTEROL	Pollen Or Spore				--
0	SITOSTANOL-P-COUMARATE	Bran				--
0	GAMMA-SITOSTEROL	Plant				--
0	NONAN-2-ONE	Silk Stigma Style				--
7	INDOLE-3-ACETIC-ACID	Root				--
0	CUBEBENOL	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BUTENYL-ISOTHIOCYANATE	Seed				--
0	DEC-TRANS-2-EN-1-AL	Husk Essent. Oil				--
4	SYRINGALDEHYDE	Seed				--
0	1-ACETO-METHYL-NAPHTHONE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	PHENYLACETIC-ACID	Pollen Or Spore				--
0	FLUORENE	Silk Stigma Style				--
0	QUERCETIN-DIGLUCOSIDE	Plant				--
0	NON-CIS-3-EN-1-OL	Husk Essent. Oil				--
0	PHENYLALANINE-AMMONIA-LYASE	Plant				--
0	HEXAN-1-AL	Seed Essent. Oil				--
0	OCTADECATRIENOIC-ACID	Seed				--
13	GERANIAL	Husk Essent. Oil				--
37	CARVACROL	Seed Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	ANTHRANILIC-ACID	Leaf				--
8	STEARIC-ACID	Silk Stigma Style				--
0	LONGIFOLENE	Root				--
0	6-METHOXY-BENZOXAZOLIN-2-ONE	Plant				--
2	CAMPESTEROL	Seed Oil				--
0	HYDROXAMIC-ACID	Leaf				--
0	ALPHA-YLANGENE	Husk Essent. Oil				--
0	PELARGONIDIN-3-GLUCOSIDE	Plant				--
0	HEX-CIS-3-EN-1-YL-ACETATE	Leaf				--
37	CARVACROL	Seed				--
0	DODECAN-1-AL	Husk Essent. Oil				--
1	BENZYL-FORMATE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
6	TARTARIC-ACID	Silk Stigma Style				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	METHYL-2-THIENYL-KETONE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	4-HYDROXYBENZALDEHYDE	Cob				--
23	ALPHA-TERPINEOL	Silk Stigma Style				--
0	ZEA GLYCOPROTEIN U-CSE-300	Silk Stigma Style				--
0	4-VINYL-4-DEETHYL-CHLOROPHYLL-A	Plant				--
0	DECAN-2-OL	Husk Essent. Oil				--
0	HEXADECENOIC-ACID	Seed				--
0	2-ETHYL-HEX-AN-1-OL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
32	ALPHA-TOCOPHEROL	Fruit				--
0	OCTAN-2-OL	Silk Stigma Style				--
0	ETHYL-METHYL-AMINE	Seed				--
0	PUTRESCINE	Sprout Seedling				--
15	METHIONINE	Pollen Or Spore				--
0	CYCLOSATIVENE	Leaf				--
0	2-(2,4-DIHYDROXY-7-METHOXY-1,4(2H)-BENZOXAZIN-3(4H)	Plant				--
0	ALDOBIOURONIC-ACID	Plant				--
0	INDOLE-3-ACETIC-ACID-METHYL-ESTER	Seed				--
43	XANTHOTOXIN	Root				--
0	3'-NUCLEOTIDASE	Tissue Culture				--
60	LIMONENE	Leaf				--
0	2,4-DIHYDROXY-6,7-DIMETHOXY-2H,1,4-BENZOXAZIN-3-ONE	Sprout Seedling				--
0	SITOSTANOL FERULATE	Bran				--
2	GAMMA-NONALACTONE	Silk Stigma Style				--
0	SALICYLIC-ACID-METHYL-ESTER	Leaf				--
0	NONAN-2-ONE	Husk Essent. Oil				--
0	DIHYDROSITOSTEROL	Plant				--
2	PHYTOHAEMAGGLUTININ	Silk Stigma Style				--
7	INDOLE-3-ACETIC-ACID	Cotyledon				--
2	CRYPTOXANTHIN	Plant				--
0	HEPT-TRANS-2-EN-1-AL	Silk Stigma Style				--
0	BUTAN-1-OL	Silk Stigma Style				--
1	NICOTIANAMINE	Leaf				--
7	CYCLOARTENOL	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ZETA-CAROTENE	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
15	MALIC-ACID	Plant				--
0	1-(3-METHYL-2-FURYL)PROPANE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	PHENYL-ACETALDEHYDE	Seed Essent. Oil				--
0	QUERCETIN-3-O-BETA-D-NEOHESPEROSIDE	Pollen Or Spore				--
0	2-METHYL-NAPHTHALENE	Seed Essent. Oil				--
0	DECA-TRANS-2-TRANS-7-TRIEN-1-AL	Plant				--
0	OCTADECADIENOIC-ACID	Seed				--
6	MYRISTIC-ACID	Seed				--
0	CAROTENE	Leaf				--
1	ANTHERAXANTHIN	Leaf				--
0	RHAMNOSE	Silk Stigma Style				--
0	6-METHOXY-2-(3)-BENZOXAZOLINONE	Shoot				--
1	CALMODULIN	Seed				--
8	HORDENINE	Silk Stigma Style				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	ALPHA-YLANGENE	Leaf				--
0	HEX-CIS-3-EN-1-OL	Silk Stigma Style				--
0	NONAN-2-OL	Plant				--
0	N-DEMETHYL-DIAZEPAM	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	SUBAPHYLLIN	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
24	BENZALDEHYDE	Shoot				--
0	ALPHA-SITOSTEROL	Plant				--
29	TRYPTOPHAN	Cotyledon				--
1	LANOSTEROL	Plant				--
0	ZEINOXANTHIN	Plant				--
0	4-METHYL-GUAIACOL	Seed				--
0	HEX-TRANS-3-EN-1-OL	Silk Essent. Oil				--
71	THYMOL	Seed Essent. Oil				--
0	OCTAN-1-OL	Seed Essent. Oil				--
43	PROTocatechuic-acid	Tissue Culture				--
1	CYCLOSADOL	Seed				--
7	PELARGONIDIN	Silk Stigma Style				--
0	DECA-TRANS-2,TRANS-4-DIEN-1-AL	Seed Essent. Oil				--
0	24-METHYLENE-LOPHENOL	Shoot				--
31	CARYOPHYLLENE	Husk Essent. Oil				--
0	HEPTAN-1-AL	Plant				--
4	TIN	Silk Stigma Style				--
0	2,3-DIHYDRO-2-PYRAN-2-CARBOXALDEHYDE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	DEOXY-RIBONUCLEASE	Tissue Culture				--
62	GALLIC-ACID	Tissue Culture				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	SABINOL	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	DIHYDRO-PHASEIC-ACID	Flower				--
0	PHYTOFLUENE	Plant				--
7	HISTIDINE	Embryo				--
10	CROCETIN	Leaf				--
0	HEPT-CIS-4-EN-2-OL	Leaf				--
5	24-METHYLENE-CYCLOARTANOL	Shoot				--
2	GAMMA-CAROTENE	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	MALEIC-ACID	Plant				--
5	ZEAXANTHIN	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
67	1,8-CINEOLE	Silk Stigma Style				--
0	FERULOYLQUINIC-ACID	Sprout Seedling				--
0	QUERCETIN-3-O-BETA-D-GLUCOSYL-O-ALPHA-L-GALACTOSIDE?	Pollen Or Spore				--
0	2-METHYL-NAPHTHALENE	Silk Stigma Style				--
0	DEC-TRANS-2-TRANS-4-DIEN-1-AL	Plant				--
2	PHENYL-ACETALDEHYDE	Plant				--
0	HEXAN-1-AL	Hull Husk				--
0	GEOSMIN	Silk Stigma Style				--
13	BETA-IONONE	Plant				--
0	MYRECITIN-GLUCOSIDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CAMPESTANOL-P-COUMARATE	Fruit				--
0	ANILINE	Seed				--
13	PALMITIC-ACID	Silk Stigma Style				--
0	LIPOXIDASE	Plant				--
12	ALLANTOIN	Embryo				--
0	6,7-DIMETHOXY-2-BENZOXAZOLIN-2-ONE	Plant				--
0	6-METHOXY-BENZOXAZOLIN-2-ONE	Shoot				--
0	URONIC-ACID	Plant				--
0	2-O-P-COUMAROYL-HYDROXY-CITRIC-ACID	Shoot				--
28	VANILLIN	Cob				--
0	HEMICELLULOSE	Cob				--
0	HEX-CIS-3-EN-1-OL	Leaf				--
0	DECAN-2-ONE	Seed Essent. Oil				--
0	BENZOXAZIONE	Sprout Seedling				--
0	MESO-INOSITOL	Pollen Or Spore				--
0	7-DEHYDRO-AVENASTEROL	Seed Oil				--
28	ALPHA-PINENE	Husk Essent. Oil				--
0	PROTOSAN	Seed Oil				--
8	LACTIC-ACID	Plant				--
5	ZEAXANTHIN	Plant				--
0	4-HYDROXY-BENZOIC-ACID	Tissue Culture				--
1	CYCLOSADOL	Seed Oil				--
0	2-ACETO-NAPHTHONE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	SYRINGALDEHYDE	Cob				--
0	OCTAN-1-OL	Husk Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	ETHYL-ACETATE	Silk Stigma Style				--
3	MAYSIN	Leaf				--
3	CYCLOEUCALENOL	Shoot				--
28	ADENOSINE	Seed				--
0	ISOAMYL-AMINE	Sprout Seedling				--
0	24-METHYLENE-CYCLOARTENOL	Plant				Stitt, Paul. Why George should eat broccoli.
0	ZEIN	Seed				--
0	2(3)-BENZOXAZOLINONE	Sprout Seedling				--
0	GALACTOXYLASE	Plant				--
7	RICINOLEIC-ACID	Plant				--
0	DIGALACTOSYL-DIGLYCERIDE	Seed				--
0	PHYTIN	Plant				--
0	HEXAN-2-ONE	Seed Essent. Oil				--
57	COUMARIN	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	ORIENTIN	Silk Stigma Style				--
25	P-COUMARIC-ACID	Sprout Seedling				--
0	DIMBOA-GLUCOSIDE	Leaf				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	2'-O-ALPHA-RHAMNOSYL-6C-(6-DEOXO-XYLO-HEXOS-4-ULOSYL)-CHRYSOERIOL	Silk Stigma Style				--
0	4-ETHYLPHENOL	Seed				--
61	FERULIC-ACID	Sprout Seedling				--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Pollen Or Spore				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-METHYL-NAPHTHALENE	Husk Essent. Oil				--
0	HEXAN-1-AL	Shoot				--
0	OCTA-3-5-DIENE-2-ONE	Silk Stigma Style				--
6	FURFURAL	Shoot				--
13	BETA-IONONE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
22	MYRCENE	Seed				--
0	CAMPESTANOL FERULATE	Fruit				--
64	OLEANOLIC-ACID	Silk Stigma Style				--
28	ADENOSINE	Leaf				--
0	5-O-FERULOYLQUINIC-ACID	Plant				--
0	6-DEOXOCASTASTERONE	Seed				--
0	HEXENYL-ISOTHIOCYANATE	Seed				--
0	URIDINE	Seed				--
0	2-O-FERULOYL-HYDROXY-CITRIC-ACID	Shoot				--
28	VANILLIN	Shoot				--
6	GUANIDINE	Plant				--
7	SUCCINIC-ACID	Plant				--
0	1,3-DIMETHYL-4-ETHYL-BENZENE	Silk Stigma Style				--
0	HEX-CIS-3-EN-1-OL	Shoot				--
0	DECAN-2-ONE	Husk Essent. Oil				--
0	BENZOTHAZOLE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	RUBISCO	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	5-DEHYDRO-AVENASTEROL	Seed Oil				--
0	ALPHA-MUUROLENE	Plant				--
0	OCTA-3-5-DIEN-2-ONE	Silk Stigma Style				--
0	4-ETHYL-GUAIACOL	Seed				--
2	CAMPESTEROL	Shoot				--
0	HEX-TRANS-2-EN-1-AL	Plant				--
0	TRIDECAN-1-AL	Husk Essent. Oil				--
0	2-(5-CHLORO-2-HYDROXY-7-METHOXY-1,4(2H)-BENZOXAZIN-3(4H0)-ONE-BETA-D-GLUCOPYRANOSIDE	Root				--
14	SUCROSE	Leaf				--
0	GIBBERELLINS	Flower				--
0	OCTAN-1-OL	Silk Stigma Style				--
24	ETHANOL	Silk Stigma Style				--
0	TRANS-24-METHYL-23-DEHYDRO-LOPHENOL	Seed Oil				--
7	CYCLOARTENOL	Shoot				--
0	DECA-TRANS-2,TRANS-4-DIEN-1-AL	Silk Stigma Style				--
18	VITEXIN	Silk Stigma Style				--
0	24-METHYL-CHOLESTEROL	Root				--
0	ZEATIN-RIBOSIDE	Leaf				--
71	THYMOL	Silk Stigma Style				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2'-O-ALPHA-RHAMNOSYL-6C-(6-DEOXO-XYLO-HEXOS-4-ULOSYL)-CHRYSOERIOL	Plant				--
22	ISOQUERCITRIN	Pollen Or Spore				--
1	GALACTOSE	Plant				--
2	RIBONUCLEASE	Tissue Culture				--
2	DIETHYL-AMINE	Seed				--
0	2-ETHYL-HEX-AN-1-OL	Seed Essent. Oil				--
0	COUMARIC-ACID-ESTER	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	BIPHENYL	Silk Stigma Style				--
0	1,8-CINEOL	Silk Stigma Style				--
0	CYTOCHROME-C	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	2'-O-ALPHA-RHAMNOSYL-6C-(6-DEOXO-XYLO-HEXOS-4-ULOSYL)-APIGENIN	Silk Stigma Style				--
11	ADENINE	Seed				--
0	QUERCETIN-3-O-ALPHA-D-RHAMNOSYL-O-BETA-L-GALACTOSIDE?	Pollen Or Spore				--
1	NAPHTHALENE	Seed Essent. Oil				--
6	PHENETHYL-ALCOHOL	Silk Stigma Style				--
0	HEXAN-1-AL	Leaf				--
0	OCT-TRANS-2-EN-1-OL	Plant				--
0	MYO-INOSITOL	Plant				--
0	AMINO-ADIPIC-ACID	Plant				--
47	BETA-SITOSTEROL	Seed Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LINGIFOLENE	Root				--
0	TRANS-ISO-MENTH-5-EN-2-OL	Plant				--
0	5-O-COUMARYLQUINIC-ACID	Plant				--
0	6,7-DIMETHOXY-BENZOXAZOLIN-2-ONE	Plant				--
0	HEXAN-2-ONE	Essential Oil				--
0	UREASE	Plant				--
0	2-O-CAFFEOYLHYDROXY-CITRIC-ACID	Shoot				--
24	VANILLIC-ACID	Tissue Culture				--
18	GUAIACOL	Seed				--
0	1,3-AMINO-PROPYL-PYRROLINIUM	Sprout Seedling				--
0	RESIN	Silk Stigma Style				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	MAYSIN	Silk Stigma Style				--
0	OCT-1-EN-3-OL	Seed Essent. Oil				--
0	KAEMPFEROL-3-O-ALPHA-L-GALACTOSIDE	Pollen Or Spore				--
0	3-O-COUMARYLQUINIC-ACID	Plant				--
24	BENZALDEHYDE	Husk Essent. Oil				--
0	TRICIN-GLYCOSIDE	Plant				--
0	2-(2-HYDROXY-7-METHOXY-1,4-BENZOXAZIN-3-ONE-BETA-D-GLUCOPYRANOSIDE	Root				--
12	STIGMASTEROL	Shoot				--
2	GERANYL-ACETONE	Seed				--
0	SI	Plant				--
0	OCTAN-1-AL	Husk Essent. Oil				--
0	PROPAN-1-OL	Silk Stigma Style				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	LIGNIN	Cob				--
5	CYANIN	Cob				--
0	VIT-D-3	Leaf				--
0	24-METHYL-23-DEHYDRO-CHOLESTEROL	Seed Oil				--
4	ZEARALENONE	Plant				--
71	THYMOL	Seed				--
0	2'-O-ALPHA-RHAMNOSYL-6C-(6-DEOXO-XYLO-HEXOS-4-ULOSYL)-APIGENIN	Plant				--
0	QUERCETIN-3-O-GLUCOSIDE-3'-O-DIGLUCOSIDE	Pollen Or Spore				--
6	FURFURAL	Plant				--
0	NONAN-1-OL	Husk Essent. Oil				--
0	DIAMINO-PROPANE	Sprout Seedling				--
0	OCTAN-2-ONE	Essential Oil				--
1	CHOLESTEROL	Shoot				--
0	ARACHIDIC-ACID	Plant				--
2	BETA-CRYPTOXANTHIN	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
15	MALIC-ACID	Silk Stigma Style				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	ACONITIC-ACID	Root				--
0	CYANIDIN-3-GALACTOSIDE	Leaf				--
0	QUERCETIN-3,7-DI-O-BETA-D-GLUCOSIDE	Pollen Or Spore				--
1	NAPHTHALENE	Silk Stigma Style				--
0	DEC-TRANS-2-CIS-4-DIEN-1-AL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHENANTHRENE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	HEXA-TRANS-2-TRANS-4-DIEN-1-AL	Silk Stigma Style				--
1	CHOLESTEROL	Seed				--
0	OCT-TRANS-2-EN-1-AL	Plant				--
0	2-PENTYL-FURAN	Silk Stigma Style				--
0	BETA-COPAENE	Leaf				--
0	MONOGALACTOSYL-DIGLYCERIDE	Plant				--
102	CAFFEIC-ACID	Sprout Seedling				--
0	3'-METHOXYMAYSIN	Silk Stigma Style				--
0	LINALOL	Plant				--
63	MENTHOL	Silk Stigma Style				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	5-O-CAFFEYLQUINIC-ACID	Plant				--
0	28-NORCASTASTERONE	Seed				--
0	HEXAN-2-ONE	Husk Essent. Oil				--
0	UNDECAN-2-ONE	Husk Essent. Oil				--
0	2-METHYL-PROPAN-1-OL	Silk Stigma Style				--
1	ISOVALERALDEHYDE	Shoot				--
4	GLYCOLIC-ACID	Silk Stigma Style				--
0	1,2-DIMETHYL-4-ETHYL-BENZENE	Silk Stigma Style				--
0	6,10,14-TRIMETHYL-PENTADECAN-2-ONE	Shoot				--
61	FERULIC-ACID	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	DECAN-2-OL	Silk Stigma Style				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BAZZANENE	Root				--
0	AMINO-ACIDS	Fruit				--
0	ALPHA-GLUCOSIDASE	Plant				--
0	OBTUSIFOLIOL	Sprout Seedling				--
0	ISORHAMNETIN-3-O-NEOHESPEROSIDE	Pollen Or Spore				--
0	ZEANOSIDE-B	Seed				--
1	3-O-CAFFEYLQUINIC-ACID	Plant				--
0	TRICARBALLYL-ACID	Plant				--
0	2-(2-HYDROXY-7-METHOXY-1,4(2H)-BENZOXAZIN-3(4H)-ON-BETA-D-GLUCOSIDE	Sprout Seedling				--
12	STIGMASTEROL	Root				--
35	GERANIOL	Silk Stigma Style				--
0	SEROTIN	Plant				--
5	ERGOSTEROL	Silk Stigma Style				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ENT-17-HYDROXY-KAUR-15-EN-19-OIC ACID	Shoot				--
0	CYANIDIN-3-MONOSIDE	Plant				--
0	HEPTAN-2-ONE	Husk Essent. Oil				--
0	24-ETHYLIDENE-LOPHENOL	Shoot				--
0	ZEAMATIN	Seed				--
0	1.2	Seed				--
0	PYRROLE	Silk Stigma Style				--
0	FUCOSE	Root				--
0	NONAN-1-AL	Seed Essent. Oil				--
9	DELTA-CADINENE	Leaf				--
0	PHOSPHOLIPIDS	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-ETHYL-HEX-AN-1-OL	Silk Stigma Style				--
4	COIXOL	Plant				--
0	OCTAN-2-ONE	Husk Essent. Oil				--
7	GLUTATHIONE	Fruit				--
14	BETAINE	Silk Stigma Style				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
11	NEROLIDOL	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
77	CHLOROGENIC-ACID	Silk Stigma Style				--
1	CHOLESTEROL	Root				--
0	ARABINOSE	Plant				--
1	LUTEOLINIDIN	Silk Stigma Style				--
53	LINALOOL	Plant				Stitt, Paul. Why George should eat broccoli.
0	ACETOIN	Plant				--
7	CYANIDIN	Leaf				--
1	NAPHTHALENE	Husk Essent. Oil				--
0	PEROXIDASE	Anther				--
0	HEX-TRANS-3-EN-1-OL	Silk Stigma Style				--
0	BETA-CARYOPHYLLENE	Root				--
0	6-METHOXY-BENZOXAZOLIN-2-ONE	Sprout Seedling				--
1	LIGNOCERIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
63	MENTHOL	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	5-HYDROXY-TRANS-FERULIC-ACID	Plant				--
0	HEXAN-2-OL	Silk Stigma Style				--
0	2-METHYL-PENTAN-3-ONE	Silk Stigma Style				--
0	1,2-DIMETHOXY-BENZENE	Hull Husk				--
0	2-METHYL-PENT-2-EN-1-AL	Leaf				--
0	QUERCETIN-3,3'-O-BETA-D-GLUCOSIDE	Pollen Or Spore				--
5	ALUMINUM	Leaf				--
0	ALPHA-COPAENE	Leaf				--
0	ISORHAMNETIN-3-O-GLUCOSIDE-4'-O-DIGLUCOSIDE	Pollen Or Spore				--
0	ZEANIN	Seed				--
0	3-METHYL-INDOLE	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	(-)-TRANS-ISO-MENTH-5-EN-2-OL	Plant				--
0	HEX-CIS-3-EN-1-AL	Leaf				--
0	TRANS-SINAPIC-ACID	Plant				--
0	2-(2-HYDROXY-1,4(2H)-BENZOXAZIN-3(4H)-ON-BETA-D-GLUCOSIDE	Sprout Seedling				--
10	SQUALENE	Pollen Or Spore				--
13	GERANIAL	Hull Husk				--
0	OCT-TRANS-2-EN-1-OL	Silk Stigma Style				--
5	ERGOSTEROL	Root				--
0	ENT-KAUR-15-EN-17-BETA-OL	Shoot				--
0	CYANIDIN-3-GALACTOSIDE-P-COUMARIC-ACID-ESTER	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	PALMITOLEIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEPTAN-2-ONE	Leaf				--
0	CAFFEIC-ACID-ESTER	Leaf				--
0	NONAL-N-2-OL	Silk Stigma Style				--