

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for CITRONELLOL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Agathosma betulina	Leaf Essent. Oil	--	--		--
Aloysia citrodora	Plant	10	70	-0.5780816771674644	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Aniba rosaeodora	Wood Essent. Oil	--	--		--
Asimina triloba	Fruit	0	0.024	-0.5736794143737701	--
Camellia sinensis	Leaf	--	--		--
Carum carvi	Seed	--	0.1		--
Cinnamomum camphora	Plant	--	--		--
Citrullus colocynthis	Plant	--	--		--
Citrus aurantium	Plant	--	--		--
Citrus limon	Leaf Essent. Oil	3700	14000	-0.9724708703903254	Jim Duke's personal files.
Citrus limon	Pericarp	--	--		Jim Duke's personal files.
Citrus limon	Pericarp Essent. Oil	--	--		Jim Duke's personal files.
Citrus paradisi	Leaf	--	70	-0.42686676977581944	--
Citrus reticulata	Fruit	0.4	0.8	-0.5199467377830584	--
Citrus sinensis	Fruit	0.7	1	-0.5060981097957616	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cnicus benedictus	Shoot	--	--		Jim Duke's personal files.
Coriandrum sativum	Fruit	0	8	-0.021396130240373637	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coriandrum sativum	Seed Essent. Oil	6150	14620		--
Coriandrum sativum	Essential Oil	--	--		--
Cymbopogon citratus	Plant	--	--		--
Cymbopogon nardus	Plant	252	1008	1.7127531905261635	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon winterianus	Plant	440	770	1.1314965823053922	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Elettaria cardamomum	Fruit	14	40	2.194384347727115	--
Elettaria cardamomum	Fruit Essent. Oil	--	5000	1	--
Ephedra sinica	Shoot	--	6	-0.17688319436547048	--
Eucalyptus albens	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus astringens	Shoot	--	105	-0.16905290057424366	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus blakelyi	Shoot	--	80	-0.17103024749122012	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus bosistoana	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus botryoides	Shoot	--	3	-0.17712047599550765	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus brassiana	Leaf	--	70	-0.42686676977581944	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7.
Eucalyptus camaldulensis	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus citriodora	Leaf	230	4000	2.2356095710654493	--
Eucalyptus citriodora	Shoot	--	78000	5.9919646233410475	--
Eucalyptus citriodora	Leaf Essent. Oil	56000	517000	1.3754627990800758	--
Eucalyptus cladocalyx	Shoot	--	10	-0.17656681885875425	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus dealbata	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus diversicolor	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus globulus	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus globulus	Leaf Essent. Oil	--	136000	-0.402991928689751	--
Eucalyptus maculata	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus maideni	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus melliodora	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus moluccana	Shoot	--	70	-0.1718211862580107	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus occidentalis	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus oviformis	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus paniculata	Shoot	--	9	-0.1766459127354333	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus polyanthemus</i>	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus punctata</i>	Shoot	--	110	-0.16865743119084836	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus saligna</i>	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus siderophloia</i>	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus sideroxylon</i>	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus tereticornis</i>	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Foeniculum vulgare</i>	Essential Oil	--	2800	-0.7695280515456301	Jim Duke's personal files.
<i>Juniperus communis</i>	Leaf	--	--		--
<i>Juniperus virginiana</i>	Leaf	--	--		--
<i>Lavandula angustifolia</i>	Flower	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula latifolia</i>	Plant	1	41	-0.6489070622027685	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Melissa officinalis</i>	Shoot	0	80	-0.17103024749122012	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mentha pulegium	Plant	90	180	-0.30943366496458685	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha pulegium	Essential Oil	--	9000	-0.7045093281934509	--
Mentha x piperita	Essential Oil	--	--		--
Myristica fragrans	Seed Essent. Oil	--	--		--
Myristica fragrans	Essential Oil	--	--		--
Nepeta cataria	Essential Oil	126000	126000	0.5224569028073494	--
Ocimum basilicum	Plant	0.2	0.2	-0.7485510521834722	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
Ocimum basilicum	Plant	--	0.2	-0.7485510521834722	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
Ocimum basilicum	Essential Oil	80000	241900	1.7378875538585694	--
Origanum syriacum	Shoot	0.1	0.1	-0.1773498482378769	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum syriacum	Shoot	--	0	-0.17735775762554484	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum syriacum	Shoot	--	--		Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Pelargonium citrosum	Shoot	--	220	-0.15995710475615188	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant 'Pelargonium citrosum' as a Repellent Against Populations of Aedes Mosquitoes. J. Am. Mosq. Contr. Assoc. 12(1):69-74.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pelargonium graveolens	Plant	21	1176	2.123051972799649	--
Pelargonium roseum	Shoot	--	4050	0.14297244292464362	--
Piper nigrum	Essential Oil	--	--		--
Piper nigrum	Fruit Essent. Oil	--	200	-1	--
Plumeria acutifolia	Flower	--	--		--
Ravensara aromatica	Bark	--	22		--
Ravensara aromatica	Leaf	--	60	-0.4336415187347031	--
Ribes nigrum	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosa centifolia	Essential Oil	1200	1200	-0.7863070769268377	--
Rosa damascena	Essential Oil	--	--		--
Rosa gallica	Flower	--	--		--
Salvia dorisiana	Shoot	0	0	-0.17735775762554484	Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8.
Salvia sclarea	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Santalum album	Wood	--	--		--
Satureja cuneifolia	Shoot	40	40	-0.17419400255838247	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja montana	Plant	1	325	0.044693260211933414	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158.
Satureja obovata	Leaf	0.01	0.01	-0.474283237739046	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Leaf	--	--		Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Leaf	--	--		Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Leaf	--	--		Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Shoot	1	1	-0.17727866374886578	Fitoterapia No.60: 277.
Satureja odora	Shoot	0	0	-0.17735775762554484	Zygodlo, J.A., Merino. E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of Satureja odora and Satureja parvifolia from Argentina. J. Ess. Oil Res. 5: 549-51.
Satureja parvifolia	Shoot	150	150	-0.165493676123686	Zygodlo, J.A., Merino. E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of Satureja odora and Satureja parvifolia from Argentina. J. Ess. Oil Res. 5: 549-51.
Satureja subspicata	Plant	40	40	-0.6513493168591583	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158.
Thymus funkii	Shoot	16	16	-0.1760922555986799	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus funkii	Shoot	--	16	-0.1760922555986799	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus serpyllum	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Thymus x citriodorus	Plant	30	30	-0.6757718634230563	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, Thymus x citriodorus (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229.
Umbellularia californica	Plant	10	40	-0.6513493168591583	--
Vaccinium corymbosum	Fruit	0.01	0.03	-0.5732639555341512	--
Vaccinium myrtillus	Fruit Juice	0.001	0.001		--
Vitex agnus-castus	Leaf	--	0.5	-0.47395127504006074	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
Vitis vinifera	Leaf	--	--		--
Zea mays	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Zingiber officinale	Rhizome	2	6500		--
Zingiber officinale	Rhizome Essent. Oil	3000	130000		--