

Physiological and biochemical performance of lettuce (*Lactuca sativa* L.) seeds treated with essential oils used to control phytopathogens

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Appendix A

Table A. Major chemical composition of essential oils of citronella, guaçatonga patchouli and pitangueira by gas chromatography coupled to mass spectrometry (GC-MS).

Essential oil (EO)	Compound	IK _{cal}	% relative
Citronella (<i>Cymbopogon</i> sp.)	β-citronellal	1157.35	34.15
	geraniol	1253.66	10.45
	limonene	1030.13	7.98
	β-citronellol	1229.49	6.48
	γ-murolene	1477.27	5.80
	citronelil acetate	1351.27	5.57
	γ-candinene	1514.71	5.36
	geranyl acetate	1378.96	5.31
Guaçatonga (<i>Casearia sylvestris</i> Sw.)	γ-murolene	1478.66	19.55
	α-zingiberene	1492.02	15.24
	σ-amorphene	1515.49	13.17
	E-caryophyllene	1415.77	5.66
Melaleuca (<i>Melaleuca</i> sp. L.)	1,8-cineole	1035.43	72.31
	α-terpineol	1194.72	8.55
	α-thujinene	934.65	6.10
Patchouli (<i>Pogostemon</i> sp. Benth)	patchoulol	1668.86	21.99
	α-guaienum	1435.19	18.32
	γ-patchoulene	1499.74	16.44
	seikhelene	1446.55	10.60
	α-patchoulene	1458.49	6.58
Pitangueira (<i>Eugenia uniflora</i> L.)	calamen-10-one	1716.12	20.21
	silfiperferol-6-em-5-one	1625.83	10.06
	germacrona	1688.93	6.61
	Gemacreno B	1555.44	6.24
	curzerene	1490.88	5.79
	σ-amorphene	1514.98	5.46
	E-caryophyllene	1415.78	5.18

IK_{cal} is the calculated Kovats index % relative is the relative abundance of the substance as a function of time and proportional to its mass. Source: Vismara (2019).