

**Table S1.** Quantity of Constituents of the Lavender Essential Oil (%) Identified by GC-MS Analysis of Untreated and Treated with Paclobutrazole Lavender Plants

No.	Compound	Control	T1 (200ppm paclobutrazole)	T2 (400ppm paclobutrazole)	T3 (600ppm paclobutrazole)
2	$\alpha$ -Pinene	1.07	-	-	-
3	$\beta$ -Pinene	0.95	-	0.69	-
4	Carveol	0.98	-	-	0.37
5	$\alpha$ -Phellandrene	2.01	-	0.66	-
6	Eucalyptol	21.55	29.89	22.95	0.64
7	$\gamma$ -Terpinene	0.89	-	0.92	-
8	Terpinolene	0.91	-	-	-
9	L-camphor	17.56	13.76	16.67	9.98
10	$\alpha$ -Pinocarvone	1.52	-	1.65	-
11	$\alpha$ -Terpineol	6.07	-	5.35	-
12	Limonene dioxide	2.22	-	-	-
13	$\alpha$ -Terpinyl acetate	3.17	-	0.63	-
14	Myrtenol	2.55	-	-	-
16	trans-Carveol	0.94	-	-	0.43
17	Isocaryophyllene	2.22	-	-	-
18	Acorenone B	0.42	-	-	-
19	L- $\alpha$ -bornyl acetate	0.28	-	-	-
20	p-Cymen-7-ol	0.79	-	0.71	-
21	Hexyl tiglate	1.02	-	-	-
22	Lanceol, cis	0.39	-	0.25	-
23	Nootkatone	0.37	-	0.52	-
24	Caryophyllene oxide	0.23	-	0.25	9.94
25	$\beta$ -Copaene	0.22	-	-	-
26	Viridiflorene	0.34	-	-	-
27	Thujopsen	0.49	-	-	-
28	Caryophyllene	0.47	-	0.61	-
29	$\beta$ -Vetivenene	0.5	-	0.87	-
30	$\alpha$ -Copaen-11-ol	0.67	-	-	-
31	Cadinene	0.46	-	-	-
32	$\beta$ -Eudesmene	0.4	-	-	-
33	$\beta$ -Spathulenol	0.69	-	0.43	-
34	$\delta$ -Elemene	0.55	-	0.42	-
35	Valencene	2.87	-	-	-
36	trans-Calamenene	0.53	-	-	-
37	$\alpha$ -Calacorene	0.78	-	0.31	-
38	Humulene oxide II	0.64	-	-	-
39	Costol	0.41	-	-	-
40	$\beta$ -Santalol	1.31	-	1.99	-
41	Ledol	0.52	-	0.74	-
42	Epicubebol	0.92	-	-	-
43	$\delta$ -Cadinol	0.57	-	-	-
44	$\alpha$ -epi-Muurolol	2.21	-	-	-

45	Elemol	0.78	-	-	-
46	Corymbolone	0.24	-	-	-
47	Clovane	2.09	-	-	-
48	Dehydroxy- isocalamendiol	0.46	-	-	-
49	Cedrenol	0.74	-	-	-
50	Longiverbenone	0.68	-	-	-
51	$\alpha$ -Santonin	0.45	-	-	1.34
52	$\gamma$ -Elemene	0.51	-	-	-
53	Phytol	0.78	-	0.61	2.26
54	1-Octadecyne	0.44	-	-	-
55	Citronellyl valerate	0.56	-	-	-
56	Geranyl isovalerate	0.31	14.01	0.32	2.34
57	Kaempferitrin	0.56	-	-	-
58	Phytanic acid	0.31	0.63	-	2.14
59	Farnesol	0.26	-	0.36	-
60	1-Hexacosanol	0.26	-	-	-
61	2-Hexadecanol	0.4	-	-	0.27
62	Dihydrocarvone	-	0.37	3.6	1.29
63	Vitexin	-	1.93	-	2.15
64	3-(3,4-Dimethoxyphenyl)- 4-methylcoumarin	-	4.92	-	5.32
65	2,4-Dimethoxy-2'- hydroxy-5'- methylchalcone	-	10.23	-	4.48
66	Gardenin	-	5.45	-	-
67	$\alpha$ -Fenchene	-	-	-	0.31
68	(+)-cis-Verbenol, acetate	-	-	-	0.33
69	$\beta$ -Acorenol	-	-	-	.0.98
70	5 $\beta$ ,7 $\beta$ H,10 $\beta$ -Eudesm-11- en-1 $\alpha$ -ol	-	-	0.68	0.99
71	4-Hydroxy-b-ionone	-	-	-	3.47
72	5,8,11,14,17- Eicosapentaenoic acid, methyl ester, (all-Z)-	-	-	-	5.36
73	epi-g-Eudesmol	-	-	-	2.75
74	4-(3-Hydroxy-2,6,6- trimethylcyclohex-1- enyl)pent-3-en-2-one	-	-	-	4.18
75	n-Hexadecanoic acid	-	-	1.07	15.62
76	Hexa-hydro-farnesol	-	-	-	2.55
77	Farnesyl methyl ester	-	-	-	2.74
78	Isocalamenedio	-	-	0.34	2.67
79	6,7,3',4'- Tetramethoxyflavone	-	-	-	1.55
80	3',4',5',5,6,7- Hexamethoxyflavone	-	-	-	3.57
81	4',5,7-Trihydroxy3,6,8-	-	-	-	1.05

	trimethoxyflavone				
82	4,7-Dimethyl-3-(4-methoxyphenyl)coumarin	-	-	-	1.94
83	Pseudolimonen	-	-	1.73	-
84	1,3,8-p-Menthatriene	-	-	1.07	-
85	cis-Verbenol	-	-	0.24	-
86	Linalool	-	-	2.25	-
87	2-Pinen-10-ol	-	-	1.25	-
88	$\alpha$ -Farnesene	-	-	3.8	-
89	L-Pinocarveol	-	-	1	-
90	D-Carvone	-	-	1.93	-
91	Isoborneol, acetate	-	-	0.28	-
92	Piperitone	-	-	1.03	-
93	$\alpha$ -Gurjunene	-	-	0.33	-
94	$\alpha$ -Cedrene	-	-	0.44	-
95	Leden	-	-	3.58	-
96	Levorphanol	-	-	0.47	-
97	2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl	-	-	1.01	-
98	$\alpha$ -Santalol	-	-	0.42	-
99	Cubebol	-	-	1.2	-
100	3,4,5-Trimethoxycinnamic acid	-	-	0.23	-
101	d-Cedrol	-	-	3.2	-
102	b-Eudesmol	-	-	1.28	-
103	g-Himachalene	-	-	0.66	-
104	2H-Cycloprop[c]indene-2,3(3ah)-dione, hexahydro-3a,7,7-trimethyl	-	-	1.8	-
105	Torulosol	-	-	0.85	-
106	6,9,12-Octadecatrienoic acid	-	-	0.25	-
107	9,12-Octadecadienoic acid (Z,Z)-	-	-	0.79	-
108	Isophytol	-	-	0.27	-
109	Heptacosane	-	-	0.23	-
	Number of detected compound	61	9	54	31