

Supplementary Materials: Evaluation of the Effect of Two Volatile Organic Compounds on Barley Pathogens

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Table S1. Percentages of growth inhibition of *F. culmorum* in presence of VOCs at 25, 50 and 100 μM .

	72 h			96 h			120h			144 h		
	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM
Isobutyl formate	0.26	10.50	26.77	0.23	7.13	22.07	2.02	7.55	18.09	5.35	7.48	16.23
longifolene	6.45	6.99	31.45	2.18	3.49	18.12	1.42	4.61	17.17	4.52	7.53	19.32
methylacrylate	19.15	33.52	65.07	15.12	29.77	69.07	6.75	19.84	72.02	11.64	24.21	76.89
methylpropionate	19.65	27.96	31.49	18.22	20.24	27.94	12.03	21.53	23.73	12.68	22.91	27.23
paracymene	12.77	16.87	39.52	11.07	14.12	32.63	9.41	13.58	29.48	8.56	11.67	22.96
	168 h			192 h			216 h			240 h		
	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM
Isobutyl formate	6.40	5.89	13.88	5.06	5.20	11.52	5.27	4.56	3.73	6.04	3.25	5.56
longifolene	2.49	7.94	20.92	2.67	6.75	17.38	4.79	8.73	12.51	4.83	9.58	12.96
methylacrylate	11.11	22.64	78.61	9.42	21.11	80.40	15.18	25.52	82.07	19.82	27.23	83.18
methylpropionate	14.61	23.22	26.22	17.45	28.51	29.36	15.73	23.05	29.48	13.50	22.83	28.35
paracymene	12.10	16.54	24.31	10.96	15.63	23.45	13.01	17.47	25.85	13.76	18.74	25.87

Table S2. Percentages of growth inhibition of *C. sativus* in presence of VOCs at 25, 50 and 100 μM .

	72 h			96 h			120h			144 h		
	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM
Isobutyl formate	0.43	13.92	16.67	0.71	12.85	14.18	5.54	13.99	13.12	7.56	11.84	15.62
longifolene	5.02	5.09	18.79	6.13	12.56	17.74	8.91	15.13	19.11	11.62	12.42	20.77
methylacrylate	23.43	42.79	62.15	16.98	37.26	64.15	20.58	37.09	65.24	21.24	34.45	67.39
methylpropionate	7.19	19.69	37.19	7.48	15.96	38.40	6.88	15.79	34.41	10.29	18.87	32.08
paracymene	3.62	18.10	25.57	3.76	14.85	21.80	2.83	14.13	21.66	0.68	14.62	19.67
	168 h			192 h			216 h			240 h		
	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM	25 μM	50 μM	100 μM
Isobutyl formate	8.24	11.58	14.70	9.46	11.78	14.48	8.19	10.58	12.12	4.79	7.88	8.96
longifolene	8.40	12.71	21.53	9.33	12.19	21.20	6.83	10.69	16.63	10.52	10.51	15.94
methylacrylate	22.22	35.69	70.00	19.11	31.46	69.68	23.04	32.95	70.74	20.52	32.31	70.96
methylpropionate	17.01	25.17	35.68	17.55	26.08	36.30	20.28	29.14	37.57	14.94	24.80	34.18
paracymene	2.36	17.73	21.39	2.63	17.49	20.86	4.37	21.48	24.52	5.36	20.04	25.83