

Appendix from Linhart et al., “Variable Phytotoxic Effects of *Thymus vulgaris* (Lamiaceae) Terpenes on Associated Species” (Int. J. Plant Sci., vol. 176, no. 2, p. 12)

Statistical Results for Experiment 2 Final Plant Sizes (Total Weight)

Table A1. *Daucus carota* ANOVA of Total Weight for All Chemotypes

Source	<i>F</i>	df	<i>P</i>
Chemotype	.60	3, 65	ns
Population (chemotype)	3.90	4, 65	**
Soil	5.39	1, 65	*
Treatment	10.89	1, 65	**
Chemotype × soil	1.78	3, 65	ns
Chemotype × treatment	1.60	3, 65	ns
Soil × treatment	2.44	1, 65	ns
Chemotype × soil treatment	.10	3, 65	ns

Note. ns, not significant.

* 0.01 < *P* < 0.05

** 0.001 < *P* < 0.01

Table A2. *Daucus carota* ANOVA of Total Weight by Chemotype

Source	Geraniol		<i>cis</i> -sabinene hydrate		Carvacrol		Thymol	
	<i>F</i> _{1,13}	<i>P</i>	<i>F</i> _{1,15}	<i>P</i>	<i>F</i> _{1,11}	<i>P</i>	<i>F</i> _{1,14}	<i>P</i>
Population	1.93	ns	.73	ns	.61	ns	3.63	ns
Soil	1.34	ns	10.90	**	10.21	**	.04	ns
Treatment	3.16	ns	14.48	*	.29	ns	2.89	ns
Population × soil	1.71	ns	.52	ns	1.42	ns	1.05	ns
Population × treatment	.79	ns	.64	ns	1.18	ns	2.14	ns
Soil × treatment	1.68	ns	.87	ns	.10	ns	3.13	ns
Population × soil × treatment	.52	ns	.12	ns	.36	ns	.09	ns

Note. ns, not significant.

* 0.01 < *P* < 0.05

** 0.001 < *P* < 0.01

Table A3. *Nigella damascena* ANOVA Overall Analysis of Total Weight

Source	df	MS	F	P
Chemotype	3	.001	.76	ns
Population (chemotype)	4	173	3.45	*
Soil	1	50	1.00	ns
Treatment	1	45	.90	ns
Chemotype × soil	3	23	.45	ns
Chemotype × treatment	3	12	.24	ns
Soil × treatment	1	13	.26	ns
Chemotype × soil × treatment	3	36	.72	ns
Error	60	50		

Note. No significant effects of anything but population effect because of odd soils. See “Material and Methods.” MS, mean square; ns, not significant.
* 0.01 < P < 0.05

Table A4. *Bromus madritensis* ANOVA of Total Weight for All Chemotypes

Source	df	MS	F	P
Chemotype	3	.33	.61	ns
Population (chemotype)	4	.53	4.23	*
Treatment	1	3.79	30.13	***
Chemotype × treatment	3	.33	2.61	ns
Population × treatment	1	.62	4.93	*
Error	32	.13		

Note. Only soils from under plants were used. See “Material and Methods.” MS, mean square; ns, not significant.
* 0.01 < P < 0.05
*** P < 0.001

Table A5. *Bromus madritensis* ANOVA of Total Weight by Chemotype

Source	Geraniol				<i>cis</i> -sabinene hydrate				Carvacrol				Thymol			
	df	MS	F	P	df	MS	F	P	df	MS	F	P	df	MS	F	P
Population	1	1.05	6.76	*	1	.45	3.02	ns	1	.07	.69	ns	1	0	0	ns
Treatment	1	.82	5.27	ns	1	.10	.65	ns	1	2.57	24.73	**	1	1.11	11.63	**
Population × treatment	1	0	0	ns	1	.05	.34	ns	1	.50	4.8	ns	1	.44	4.64	ns
Error	7	.16			8	.15			6	.10			8	.10		

Note. MS, mean square; ns, not significant.
* 0.01 < P < 0.05
** 0.001 < P < 0.01