

	pre-emergence mortality (<i>O. coloradensis</i> & <i>O. tersula</i>)				winter emergence (<i>O. lignaria</i>)			
	<i>Res. df</i>	<i>Dev.</i>	<i>Res. Dev.</i>	<i>P</i>	<i>Res. df</i>	<i>Dev.</i>	<i>Res. Dev.</i>	<i>P</i>
sex	1,245	0.43	340.82	0.524	1,243	27.32	262.08	<0.001
temperature	1,244	0.03	340.79	0.875	1,242	0.46	261.62	0.496
fall duration	1,243	2.86	337.93	0.099	1,241	2.24	259.38	0.135
spring onset	1,242	11.96	325.97	0.001	1,240	126.9	132.49	<0.001
body size	1,241	4.57	321.39	0.037	1,239	0.82	131.67	0.364
sex x temp	1,240	0.74	320.65	0.403	1,238	7.01	124.66	0.008
sex x fall	1,239	1.51	319.15	0.231	1,237	5.40	119.26	0.020
sex x spring	1,238	0.09	319.06	0.771	1,236	2.56	116.70	0.110
temp x fall	1,237	0.06	319.00	0.812	1,235	8.10	108.60	0.004
temp x spring	1,236	1.73	317.27	0.200	1,234	0.52	108.08	0.473
temp x body size	1,235	0.56	316.71	0.467	1,233	0.02	108.06	0.876
fall x spring	1,234	0.27	316.44	0.611	1,232	0.00	108.06	0.967
fall x body size	1,233	1.30	315.14	0.266	1,231	0.07	107.99	0.793
spring x body size	1,232	0.02	315.12	0.901	1,230	0.12	107.87	0.731
temp x fall x spring	1,231	0.24	314.88	0.630	1,229	1.45	106.42	0.228

Table S3. Full ANOVA tables (i.e., results for all independent variables and interactions) of the generalized linear models fitted separately to pre-emergence mortality and to the probability of winter emergence (i.e., emerging prior to the start of the spring treatment). See Materials and Methods *Statistical Analyses: Mixed-effects and Generalized Linear Models* for description of independent variables.