

Appendix A. Effect of plot type, position (data logger above or below ground), season, and time of day (0000, 0600, 1200, 1600) on temperature relative to baseline category (Control, Above Ground, Fall) using the mgcv and gam packages for the Generalized Additive Model in R. Significant effects are indicated by P-values in bold.

Plot	Position	Season	Time?	Effect (°C)	P-value
Treatment	Above	Fall	—	0.005	0.992
Control	Below	Fall	—	15.44	< 0.001
Control	Above	Fall	Yes	4.014	< 0.001
Control	Above	Spring	—	0.051	0.911
Control	Above	Summer	—	5.608	< 0.001
Control	Above	Winter	—	-3.805	< 0.001
Treatment	Below	Fall	—	-1.390	0.006
Treatment	Above	Fall	Yes	-0.162	0.367
Control	Below	Fall	Yes	-4.129	< 0.001
Treatment	Above	Spring	—	-0.168	0.781
Treatment	Above	Summer	—	0.998	0.107
Treatment	Above	Winter	—	-0.584	0.324
Control	Below	Spring	—	3.194	< 0.001
Control	Below	Summer	—	7.292	< 0.001
Control	Below	Winter	—	-4.152	< 0.001
Control	Above	Spring	Yes	1.306	< 0.001
Control	Above	Summer	Yes	3.290	< 0.001
Control	Above	Winter	Yes	-0.764	< 0.001
Treatment	Below	Fall	Yes	0.256	0.168
Treatment	Below	Spring	—	-1.011	0.106
Treatment	Below	Summer	—	-2.575	< 0.001
Treatment	Below	Winter	—	1.140	0.063
Treatment	Above	Spring	Yes	0.481	0.029
Treatment	Above	Summer	Yes	-0.615	0.007
Treatment	Above	Winter	Yes	0.343	0.113
Control	Below	Spring	Yes	-1.260	< 0.001
Control	Below	Summer	Yes	-3.304	< 0.001
Control	Below	Winter	Yes	0.816	< 0.001
Treatment	Below	Spring	Yes	-0.476	0.037
Treatment	Below	Summer	Yes	0.628	0.007
Treatment	Below	Winter	Yes	-0.372	0.097