Table 6. Best-supported temperature models for the full set of pre- and post-harvest data. Fixed- and random-effect parameter values for four linear mixed-effects models and their assocaited temperature response variables. Model Post_ConstP lacks a parameter estimate for shade. Analysis shade values contain imputed values; standard errors are accordingly inflated (see text). Parameters for treatment length and gradient are expressed as change in temperature per 1 km of distance or elevation. Observations = 119, Groups (Sites) = 33.

Response	Maximum Temperature				Mean Temperature				Minimum Temperature				Diel Fluctuation[b]			
Model	Shade_ConstP				Shade_ConstP				Post_ConstP				Shade_ConstP			
Fixed[a]	DF	Value	SE	p	DF	Value	SE	p	DF	Value	SE	p	DF	Value	SE	p
Intercept	162	0.364	0.118	0.002	162	0.267	0.077	0.001	163	0.186	0.055	0.001	162	0.165	0.098	0.089
CT	162	-0.121	0.031	0.000	162	-0.072	0.035	0.033	163	-0.038	0.031	0.221	162	-0.145	0.035	0.000
TL	31	0.873	0.261	0.002	31	0.709	0.175	0.000	31	0.541	0.127	0.000	31	0.296	0.225	0.188
SHi	162	-3.452	0.646	0.000	162	-1.599	0.385	0.000	--	--	--	--	162	-2.947	0.582	0.000
PvP	162	0.299	0.097	0.002	162	0.165	0.057	0.004	163	0.10487	0.04337	0.0167	162	0.273	0.086	0.002
Random	Std.Dev				Std.Dev				Std.Dev				Std.Dev			
Intercept	0.594				0.396				0.276				0.486			
ControlTemp	0.106				0.132				0.128				0.124			
Residual	0.401				0.229				0.195				0.354			

aControl reach temperature change = CT, private sites post-harvest = PvP, shade with imputed values = SHi, treatment length = TL.

bFor Diel Fluctuation the variable for GR is replaced by elevation (EL). Other parameters in the model are the same.

Pre- and post-harvest

Fixed	Value	Value
Intercept	0.364	0.296
CT	-0.121	-0.122
TL	0.873	0.835
SHi	-3.452	-3.125
PvP	0.299	0.334

Table 7. Best-supported post-harvest temperature models. Fixed- and random-effect parameter values for four linear mixed-effects models and their assocaited temperature response variables. Parameters for treatment length and gradient are expressed as change in temperature per 1 km of distance or elevation. Observations = 119, Groups (Sites) = 33.

Response	Maximum Temperature				Mean Temperature				Minimum Temperature				Diel Fluctuation[b]			
Model	PostDiffxSeq				PostDiffxSeq				PostDiffxSeq				PostDiffxSeq			
Fixed[a]	DF	Value	SE	p	DF	Value	SE	p	DF	Value	SE	p	DF	Value	SE	p
(Intercept)	96	0.954	0.140	0.000	96	0.548	0.088	0.000	96	0.308	0.063	0.000	96	0.651	0.145	0.000
CT	96	-0.095	0.037	0.012	96	-0.047	0.032	0.143	96	-0.050	0.031	0.110	96	-0.159	0.048	0.001
TL	28	0.682	0.297	0.029	28	0.611	0.180	0.002	28	0.534	0.111	0.000	28	0.227	0.306	0.464
PPdiff	28	0.685	0.154	0.000	28	0.506	0.186	0.011	28	0.58877	0.19155	0.0047	28	0.595	0.152	0.001
YP	96	-0.076	0.024	0.002	96	-0.033	0.014	0.019	96	0.00020	0.01370	0.9885	96	-0.054	0.017	0.002
PPdiff*YrsPc	96	-0.150	0.027	0.000	96	-0.090	0.030	0.004	96	-0.09295	0.04238	0.0307	96	-0.114	0.021	0.000
Random		Std.Dev				Std.Dev				Std.Dev				Std.Dev		
Intercept		0.621				0.393				0.213				0.728		
ControlTemp		0.107				0.084				0.083				0.188		
Residual		0.360				0.211				0.213				0.252		

aControl reach temperature change = CT, private sites post-harvest = PvP, shade with imputed values = SHi, treatment length = TL.

bFor Diel Fluctuation the variable for GR is replaced by elevation (EL). Other parameters in the model are the same.

Post-harvest

Fixed[a]	Original Value	Altered Value
(Intercept)	0.954	0.836
CT	-0.095	-0.087
TL	0.682	0.556
PPdiff	0.685	0.660
YP	-0.076	-0.056
PPdiff*YrsP	-0.150	-0.091

Table 8. Best-supported full and post-harvest shade models. Fixed- and random-effect parameter values for four linear mixed-effects models and their assocaited shade response variables.
Full shade analysis observations = 127, post-harvest shade observations = 94, Groups (Sites) = 33.

Analysis	Full shade analysis				Post-harvest shade analysis			
Response	Logit (average of shade)				Logit (average of shade)			
Model	BA_BD_Post				PostDiffxSeq			
Fixed[a]	DF	Value	SE	p	DF	Value	SE	p
(Intercept)	91	1.469	0.102	0.000	59	1.583	0.094	0.000
BA	91	0.023	0.005	0.000	30	0.020	0.007	0.008
BD	91	-0.009	0.004	0.010				
PO	91	0.194	0.104	0.066				
YP					59	0.016	0.024	0.506
PPdiff					30	-3.999	0.935	0.000
YP*PPdiff					59	0.494	0.184	0.010
Random	Std.Dev				Std.Dev			
Intercept	0.326				0.286			
Residual	0.031				0.028			

aPlot basal area = BA, plot blowdown basal area = BD, Post-harvest = PO, years post = YP.