

Covariates	Univariate		Multivariate		Multilevel: (1 location) + (1 method) + (1 location/method)			
Model 1	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.20(1.18-1.21)	<0.05	1.202(1.18-1.22)	<0.05	-	-
MWlmin	1.14(1.08-1.20)	<0.05	0.68(0.64-0.73)	<0.05	0.686(0.64-0.73)	<0.05	-	-
MWlmax	0.81(0.78-0.84)	<0.05	0.87(0.83-0.91)	<0.05	0.870(0.83-0.91)	<0.05	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.83(0.80-0.86)	<0.05	-	-	0.0102	0.1010
Location/method*	-	-	-	-	-	-	0.0027	0.0522
Location(interc)							0.0004	0.0200
Method	BG; 1.31(1.27-1.36)	<0.05	1.29(1.24-1.34)	<0.05	-	-	0.0332	0.1822
Model 2	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.19(1.18-1.21)	<0.05	1.200(1.18-1.21)	<0.05	-	-
MWlmin	1.14(1.08-1.20)	<0.05	0.69(0.65-0.74)	<0.05	0.699(0.65-0.74)	<0.05	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.80(0.77-0.83)	<0.05	-	-	0.0175	0.1323
Location/method*	-	-	-	-	-	-	0.0024	0.0492
Location(interc)							0.0004	0.0201
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0348	0.1866
Model 3	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.15(1.13-1.16)	<0.05	1.154(1.13-1.16)	<0.05	-	-
MWlmax	0.81(0.78-0.84)	<0.05	0.89(0.85-0.94)	<0.05	0.896(0.85-0.94)	<0.05	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.87(0.83-0.90)	<0.05	-	-	0.0025	0.0504
Location/method*	-	-	-	-	-	-	0.0024	0.0498
Location (interc)							0.0025	0.0504
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0355	0.1885
Model 4	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.21(1.19-1.24)	<0.05	1.221(1.19-1.25)	<0.05	-	-
Mintemperature	1.03(1.03-1.03)	<0.05	0.97(0.96-0.98)	<0.05	0.9750(0.96-0.98)	<0.05	-	-
MinRH	0.997(0.996-0.999)	<0.05	0.998(0.996-0.999)	0.0318	0.998(0.996-0.999)	0.039	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.79(0.76-0.82)	<0.05	-	-	0.0095	0.0976
Location/method*	-	-	-	-	-	-	0.0028	0.0531
Location (interc)							0.0095	0.0976
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0352	0.1876

Covariates	Univariate		Multivariate		Multilevel: (1 location) + (1 method) + (1 location/method)			
Model 5	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.22(1.20-1.25)	<0.05	1.229(1.20-1.25)	<0.05	-	-
Mintemperature	1.03(1.03-1.03)	<0.05	0.97(0.96-0.98)	<0.05	0.973(0.96-0.98)	<0.05	-	-
MaxRH	0.996(0.995-0.998)	<0.05	0.997(0.995-0.999)	0.023	0.997(0.995-0.999)	0.024	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.80(0.77-0.82)	<0.05	-	-	0.0089	0.0948
Location/method*	-	-	-	-	-	-	0.0029	0.0544
Location (interc)							0.0089	0.0948
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0352	0.1878
Model 6	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.22(1.19-1.25)	<0.05	1.223(1.19-1.25)	<0.05	-	-
Mintemperature	1.03(1.03-1.03)	<0.05	0.97(0.96-0.98)	<0.05	0.974(0.96-0.98)	<0.05	-	-
MinRH	0.997(0.996-0.999)	<0.05	0.999(0.99-1)	0.343	0.999(0.997-1)	0.41	-	-
MaxRH	0.996(0.995-0.998)	<0.05	0.998(0.99-1)	0.243	0.998(0.995-1)	0.21	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.79(0.76-0.82)	<0.05	-	-	0.0094	0.0972
Location/method*	-	-	-	-	-	-	0.0029	0.0538
Location							0.0094	0.0972
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0352	0.1878
Model 7								
Photoperiod	1.17(1.15-1.18)	<0.05	1.23(1.20-1.27)	<0.05	1.239(1.20-1.27)	<0.05	-	-
GDD	1.04(1.03-1.04)	<0.05	0.97(0.96-0.98)	<0.05	0.969(0.96-0.97)	<0.05	-	-
minRH	0.997(0.996-0.999)	<0.05	0.997(0.996-0.999)	0.00163	0.997(0.996-0.999)	0.0023	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.81(0.78-0.85)	<0.05	-	-	0.0129	0.1140
Location/method*	-	-	-	-	-	-	0.0030	0.0549
Location							0.0004	0.0549
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0353	0.1880
Model 8								
Photoperiod	1.17(1.15-1.18)	<0.05	1.24(1.21-1.28)	<0.05	1.251(1.21-1.28)	<0.05	-	-
GDD	1.04(1.03-1.04)	<0.05	0.96(0.95-0.97)	<0.05	0.966(0.95-0.97)	<0.05	-	-
MaxRH	0.996(0.995-0.998)	<0.05	0.997(0.995-0.999)	0.0145	0.997(0.995-0.999)	0.015	-	-
Location	UR; 0.80(0.77-0.82)	<0.05	0.83(0.80-0.86)	<0.05	-	-	0.0103	0.1018
Location/method*	-	-	-	-	-	-	0.0031	0.0565
Location							0.0004	0.0200
Method	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0355	0.1886

Covariates	Univariate		Multivariate		Multilevel: (1 location) + (1 method) + (1 location/method)			
Model 9	HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Photoperiod	1.17(1.15-1.18)	<0.05	1.23(1.20-1.27)	<0.05	1.239(1.20-1.27)	<0.05	-	-
GDD	1.04(1.03-1.04)	<0.05	0.97(0.96-0.98)	<0.05	0.969(0.96-0.97)	<0.05	-	-
MaxRH	0.996(0.995-0.998)	<0.05	0.99(0.996-1)	0.5462	0.999(0.99-1)	0.50	-	-
MinRH	0.997(0.996-0.999)	<0.05	0.998(0.996-0.999)	0.03	0.998(0.996-0.999)	0.049	-	-
<i>Location</i>	UR; 0.80(0.77-0.82)	<0.05	0.82(0.78-0.85)	<0.05	-	-	0.0129	0.1136
<i>Location/method*</i>	-	-	-	-	-	-	0.0030	0.0552
<i>Location(interc)</i>							0.0004	0.0201
<i>Method</i>	BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0353	0.1881

MODEL	Chisq	Df	LogLikelihood(int)	AIC	BIC
Model 1	994.52	7	-124807.2	980.52	927.43
Model 2	961.38	6	-124823.7	949.38	903.88
Model 3	863.61	6	-125872.6	851.61	806.11
Model 4	919.63	7	-124844.6	905.63	852.54
Model 5	920.48	7	-124844.2	906.48	853.39
Model 6	921.18	8	-124843.8	905.18	844.50
Model 7	920.69	7	-124834.5	906.69	853.59
Model 8	917.29	7	-124836.2	903.29	850.20
Model 9	921.14	8	-124834.3	905.14	844.46

