

Covariates		Univariate		Multivariate		Multilevel: (1 location) + (1 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	1.20(1.18-1.21)	<0.05	-	-
MWImin		1.14(1.08-1.20)	<0.05	0.68(0.64-0.73)	<0.05	0.68(0.64-0.73)	<0.05	-	-
MWImax		0.81(0.78-0.84)	<0.05	0.87(0.83-0.91)	<0.05	0.87(0.83-0.91)	<0.05	-	-
Location	UR; 0.80(0.77-0.82)		<0.05	0.83(0.80-0.86)	<0.05	-	-	0.0160	0.1267
Method	BG; 1.31(1.27-1.36)		<0.05	1.29(1.24-1.34)	<0.05	-	-	0.0330	0.1817
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	1.19(1.18-1.21)	<0.05	-	-
MWImin		1.14(1.08-1.20)	<0.05	0.69(0.65-0.74)	<0.05	0.70(0.65-0.74)	<0.05	-	-
Location	UR; 0.80(0.77-0.82)		<0.05	0.80(0.77-0.83)	<0.05	-	-	0.0239	0.1547
Method	BG; 1.31(1.27-1.36)		<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0355	0.1886
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	1.15(1.13-1.16)	<0.05	-	-
MWImax		0.81(0.78-0.84)	<0.05	0.89(0.85-0.94)	<0.05	0.89(0.85-0.94)	<0.05	-	-
Location	UR; 0.80(0.77-0.82)		<0.05	0.87(0.83-0.90)	<0.05	-	-	0.0093	0.0967
Method	BG; 1.31(1.27-1.36)		<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0357	0.1889
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	1.21(1.19-1.24)	<0.05	-	-
Mintemperature		1.03(1.03-1.03)	<0.05	0.97(0.96-0.98)	<0.05	0.975(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)	0.034	-	-
Location	UR; 0.80(0.77-0.82)		<0.05	0.79(0.76-0.82)	<0.05	-	-	0.0267	0.1636
Method	BG; 1.31(1.27-1.36)		<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0359	0.1896

Covariates		Univariate		Multivariate		Multilevel: (1 location) + (1 method)			
Model		HR(95%CI)	p	HR(95%CI)	p	HR(95%CI)	p	Variance	SD
Model 5									
Photoperiod		1.17(1.15-1.18)	<0.05	1.22(1.20-1.25)	<0.05	1.22(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)	0.025	-	-
Location		UR; 0.80(0.77-0.82)	<0.05	0.80(0.77-0.82)	<0.05	-	-	0.0255	0.1597
Method		BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0360	0.1898
Model 6									
Photoperiod		1.17(1.15-1.18)	<0.05	1.22(1.19-1.25)	<0.05	1.22(1.19-1.25)	<0.05	-	-
Mintemperature		1.03(1.03-1.03)	<0.05	0.97(0.96-0.98)	<0.05	0.975(0.967-0.982)	<0.05	-	-
MinRH		0.997(0.996-0.999)	<0.05	0.999(0.99-1)	0.343	0.999(0.997-1)	0.35	-	-
MaxRH		0.996(0.995-0.998)	<0.05	0.998(0.99-1)	0.243	0.998(0.995-1)	0.24	-	-
Location		UR; 0.80(0.77-0.82)	<0.05	0.79(0.76-0.82)	<0.05	-	-	0.0267	0.1635
Method		BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0360	0.1898
Model 7						HR(95%CI)	p	Variance	SD
Photoperiod		1.17(1.15-1.18)	<0.05	1.23(1.20-1.27)	<0.05	1.23(1.20-1.27)	<0.05	-	-
GDD		1.04(1.03-1.04)	<0.05	0.97(0.96-0.98)	<0.05	0.97(0.96-0.98)	<0.05	-	-
minRH		0.997(0.996-0.999)	<0.05	0.997(0.996-0.999)	0.00163	0.99(0.996-0.999)	0.0019	-	-
Location		UR; 0.80(0.77-0.82)	<0.05	0.81(0.78-0.85)	<0.05	-	-	0.0193	0.1390
Method		BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0353	0.1879
Model 8						HR(95%CI)	p	Variance	SD
Photoperiod		1.17(1.15-1.18)	<0.05	1.24(1.21-1.28)	<0.05	1.24(1.21-1.28)	<0.05	-	-
GDD		1.04(1.03-1.04)	<0.05	0.96(0.95-0.97)	<0.05	0.967(0.958-0.976)	<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)	0.016	-	-
Location		UR; 0.80(0.77-0.82)	<0.05	0.83(0.80-0.86)	<0.05	-	-	0.0165	0.12865
Method		BG; 1.31(1.27-1.36)	<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0354	0.1883

Covariates		Univariate		Multivariate		Multilevel: (1 location) + (1 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	1.23(1.20-1.27)	<0.05	-	-
GDD		1.04(1.03-1.04)	<0.05	0.97(0.96-0.98)	<0.05	0.97(0.96-0.98)	<0.05	-	-
MaxRH		0.996(0.995-0.998)	<0.05	0.99(0.996-1)	0.546	0.999(0.996-1)	0.55	-	-
MinRH		0.997(0.996-0.999)	<0.05	0.998(0.996-0.999)	0.03	0.998(0.996-0.999)	0.04	-	-
Location	UR; 0.80(0.77-0.82)		<0.05	0.82(0.78-0.85)	<0.05	-	-	0.01930	0.1389
Method	BG; 1.31(1.27-1.36)		<0.05	1.30(1.25-1.35)	<0.05	-	-	0.0353	0.1880

MODEL	Chisq	Df	LogLikelihood(int)	AIC	BIC
Model 1	989.05	5	-124908.9	979.05	941.12
Model 2	956.69	4	-124826.1	948.69	918.35
Model 3	859.06	4	-124874.9	851.06	820.72
Model 4	913.97	5	-124847.4	903.97	866.05
Model 5	914.48	5	-124847.2	904.48	866.55
Model 6	915.33	6	-124846.8	903.33	857.82
Model 7	914.52	5	-124837.6	904.52	866.60
Model 8	910.70	5	-124839.5	900.70	862.77
Model 9	914.89	6	-124837.4	902.89	857.38