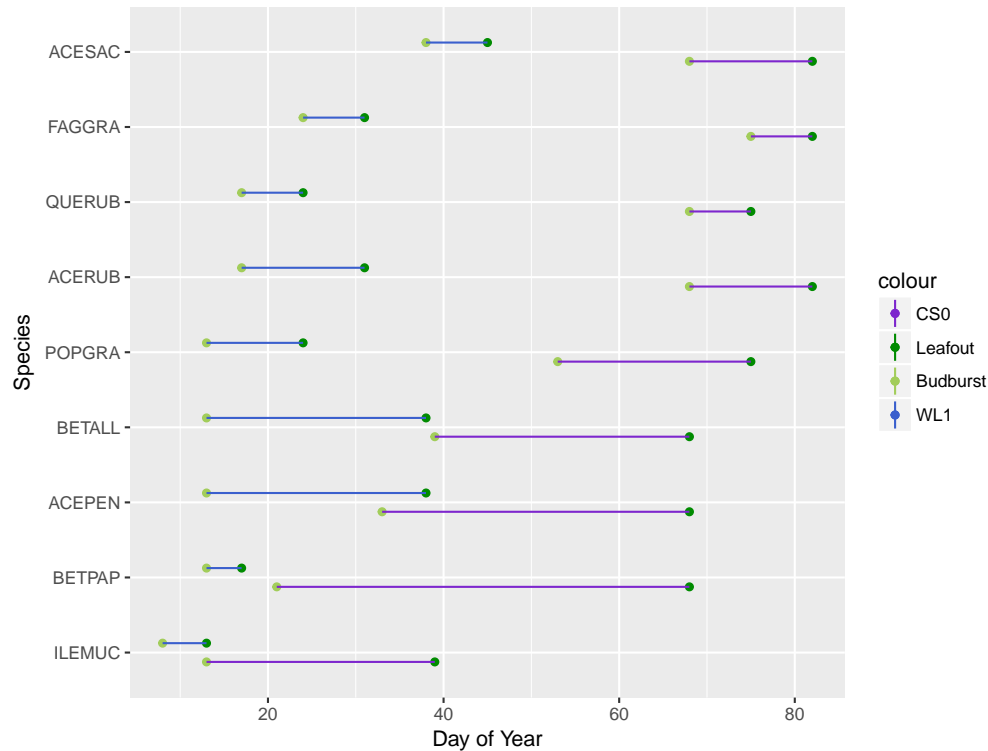


# Chilling Experiment Figures

Figure 1: Day of budburst and the day of leaf out for native tree species in New England. Data was collected from a growth chamber experiment using any combination of two photoperiod treatments, two forcing treatments, and three chilling treatments. The standard deviation is represented in blue for budburst and green for leaf out.



Anova Table (Type II tests)

Response: risk Sum Sq Df F value Pr(>F) chilling 32 1 0.3884 0.5333 warm 14682 1 176.5185 <2e-16 \*\*\*  
photo 6210 1 74.6629 <2e-16 \*\*\* Residuals 82512 992 — Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1  
' ' 1 Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 305.908 4209.929 1300.304 6684.850 Deg. of Freedom  
1 1 1 108

Residual standard error: 7.867449 Estimated effects may be unbalanced 32 observations deleted due to  
missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 0.055 1616.346 462.883 6611.178 Deg. of Freedom 1 1

1 100

Residual standard error: 8.130915 Estimated effects may be unbalanced 28 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 63.855 184.380 224.826 4574.749 Deg. of Freedom 1 1 1 64

Residual standard error: 8.454611 Estimated effects may be unbalanced 76 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 241.871 1424.047 617.147 7183.300 Deg. of Freedom 1 1 1 133

Residual standard error: 7.349134 Estimated effects may be unbalanced 7 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 1.299 1781.426 1104.063 10510.455 Deg. of Freedom 1 1 1 128

Residual standard error: 9.061618 Estimated effects may be unbalanced 12 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 79.9153 734.1672 2.0829 2913.9060 Deg. of Freedom 1 1 1 66

Residual standard error: 6.644554 Estimated effects may be unbalanced 74 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 18.781 2261.937 1036.164 3334.911 Deg. of Freedom 1 1 1 136

Residual standard error: 4.951909 Estimated effects may be unbalanced 4 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 73.934 2219.117 1013.131 6777.906 Deg. of Freedom 1 1 1 98

Residual standard error: 8.316388 Estimated effects may be unbalanced 30 observations deleted due to missingness Call: aov(formula = lm(risk chilling + warm + photo, data = subby))

Terms: chilling warm photo Residuals Sum of Squares 12.663 659.176 370.052 4972.536 Deg. of Freedom 1 1 1 127

Residual standard error: 6.257302 Estimated effects may be unbalanced 13 observations deleted due to missingness