

Model structure Fuelinex

Christophe and Ken

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$$\Delta\beta_1 = N(\beta_1 + \beta_{S1}S_1 + \beta_{F1}F_1 + \beta_{SF1}SF_1, \sigma_{y1})$$

$$\Delta\beta_2 = N(\beta_2 + \beta_{S2}S_1 + \beta_{F2}F_1 + \beta_{SF2}SF_1, \sigma_{y2})$$

Where:

- β_1 = Year 1, treatment Cool Spring, Cool Fall (reference value)
- $\beta_1 + \beta_{S1}$ = Year 1, treatment Warm Spring, Cool Fall
- $\beta_1 + \beta_{F1}$ = Year 1, treatment Cool Spring, Warm Fall
- $\beta_1 + \beta_{S1} + \beta_{F1} + \beta_{SF1}$ = Year 1, treatment Warm Spring, Warm Fall
- $S1$ = dummy variable, if it's 1, then Warm spring, else Cool Spring
- $F1$ = dummy variable, if it's 1, then Warm fall, else Cool fall
- $SF1$ = dummy variable, for a subadditive effect of a Warm Spring and a Warm Fall treatment.