

Garbowski Committee Meeting

Magda Garbowski

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Agenda

- ▶ Discuss plan for dissertation chapters
 - ▶ Chapter 1: Traits of restoration species vary by ontogenetic stage
 - ▶ Chapter 2: Responses of cultivars and natural accessions of *Elymus trachycaulus* to drought and competition
 - ▶ Chapter 3: Options
 - ▶ Second manuscript from MS project
 - ▶ Outdoor *E trachycaulus* study (if independent of Ch. 2)
 - ▶ Review: Root traits in ecological restoration
- ▶ Involvement of committee members in preparing manuscripts
- ▶ Set defense date?

Chapter 1: Traits by developmental stage

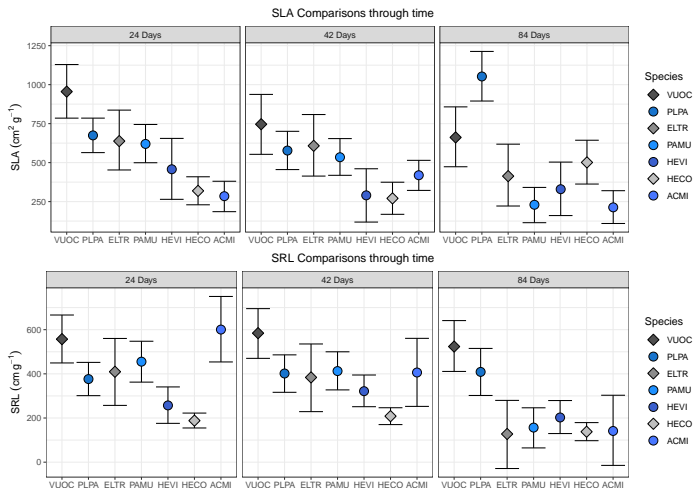


Figure 1: Means and 90% credible intervals of species' specific leaf area and specific root length at different developmental stages. Diamonds in shades of grey are grasses, circles in shades of blue are forbs.

Chapter 2: Responses of cultivars and natural accessions of *Elymus trachycaulus* to drought and competition

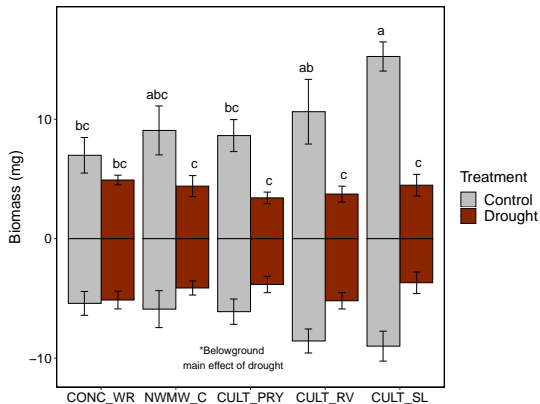


Figure 2: Means of aboveground and belowground biomass \pm SE of the mean for five of nine accessions of *E. trachycaulus* under control and drought (Experiment 1, 24 Day Harvest). Accession \times treatment interaction observed only aboveground. Accessions beginning with CULT are cultivars.

Chapter 3: Options

- ▶ Option 1: Manuscript from second part of MS project in which we assessed the effects of *B tectorum* (cheatgrass), drought, and super-absorbent polymer on developing plant communities and soil moisture. Submitted to Ecosphere.
- ▶ Option 2: Split Chapter 2 into two chapters
- ▶ Option 3: Review of “How root traits can inform ecological restoration”.