



Grassland Precipitation Project

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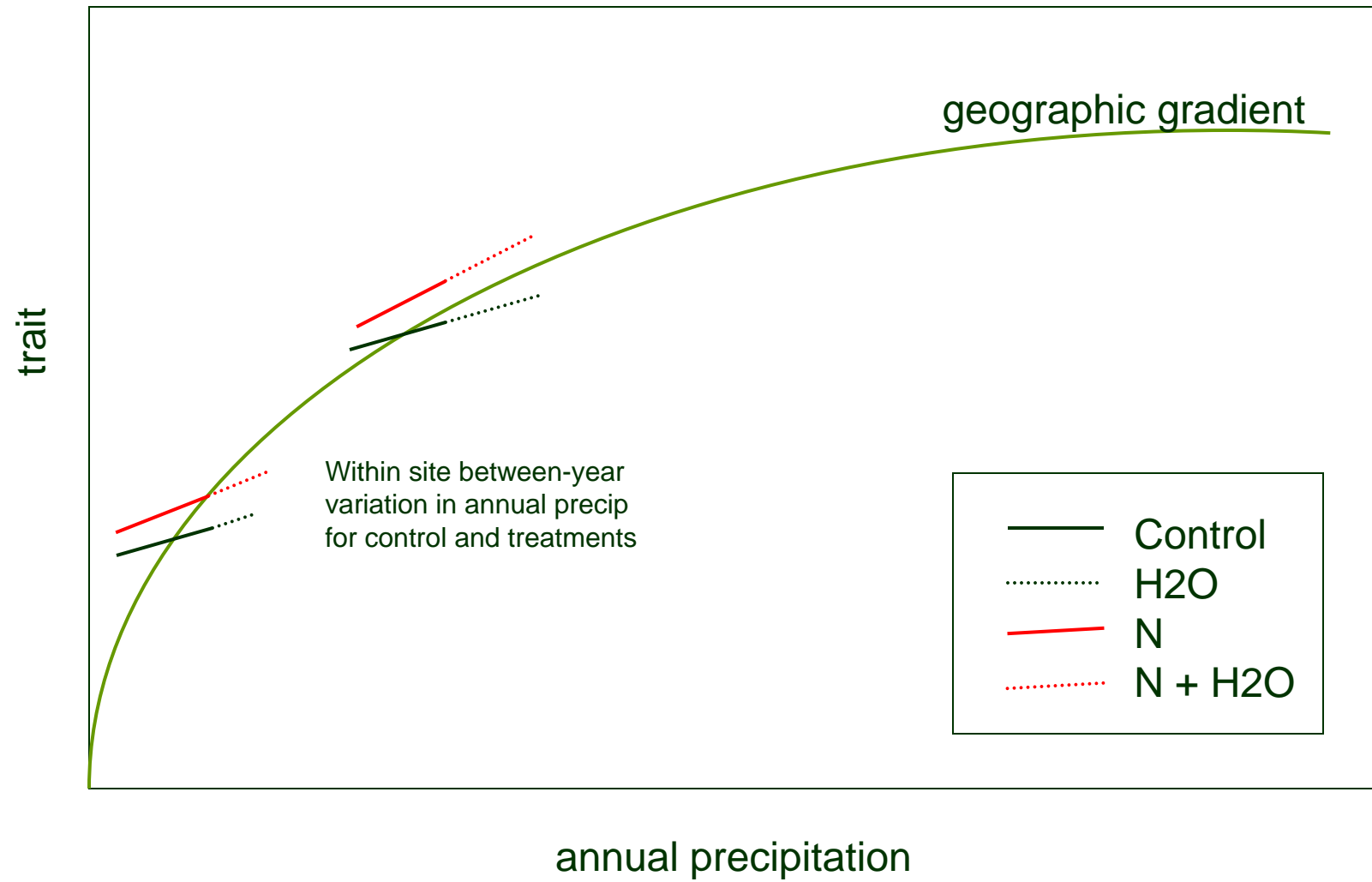
Our project

- 4 Experimental rainfall additions
 - Konza (KS), Sevilleta (NM), Short Grass Steppe (CO), Jasper Ridge (CA)
- 406 natural plots along a rainfall gradient
- Started with the FertSyn traits
- Expanded to the USDA traits



Questions

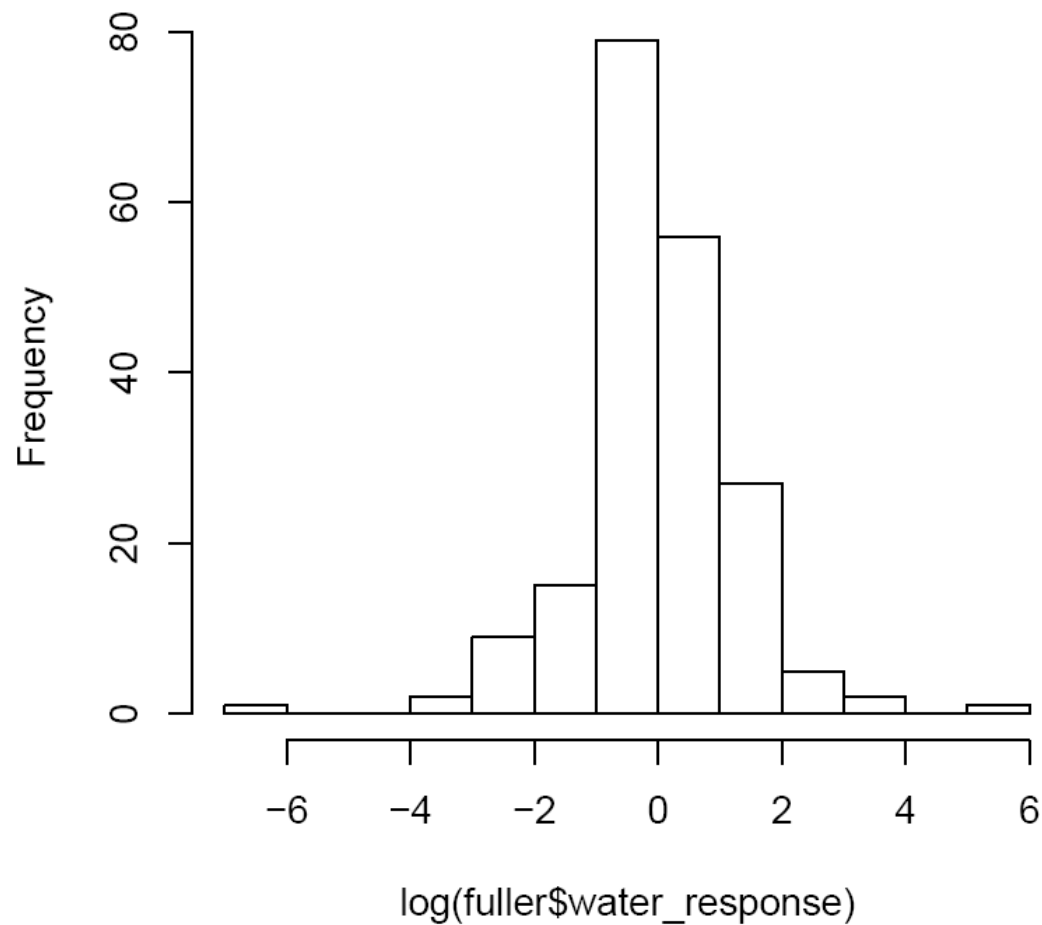
- What traits are associated with species that increase in precipitation manipulations?
- Do the same traits that become more common in rainfall addition experiments become more abundant over a precipitation gradient?
- How does nitrogen addition in combination with water addition change the traits present?



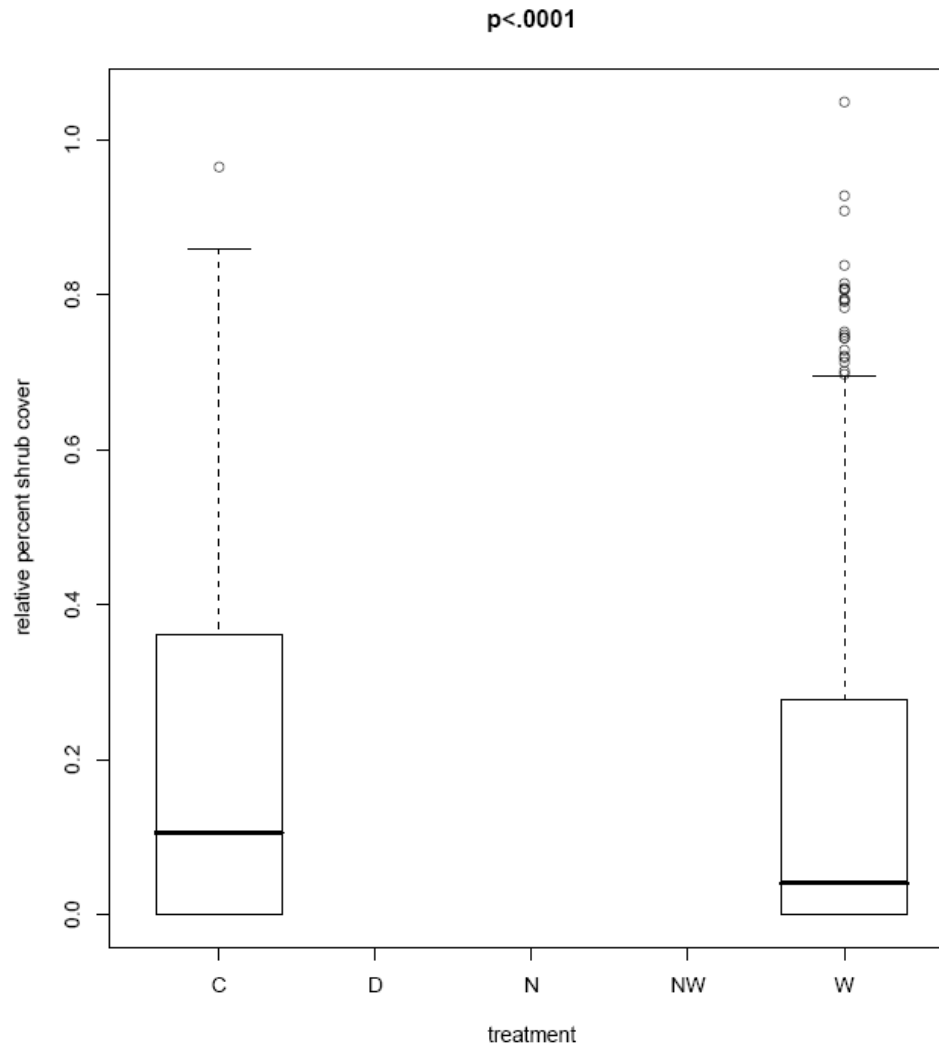


Response to Watering Results

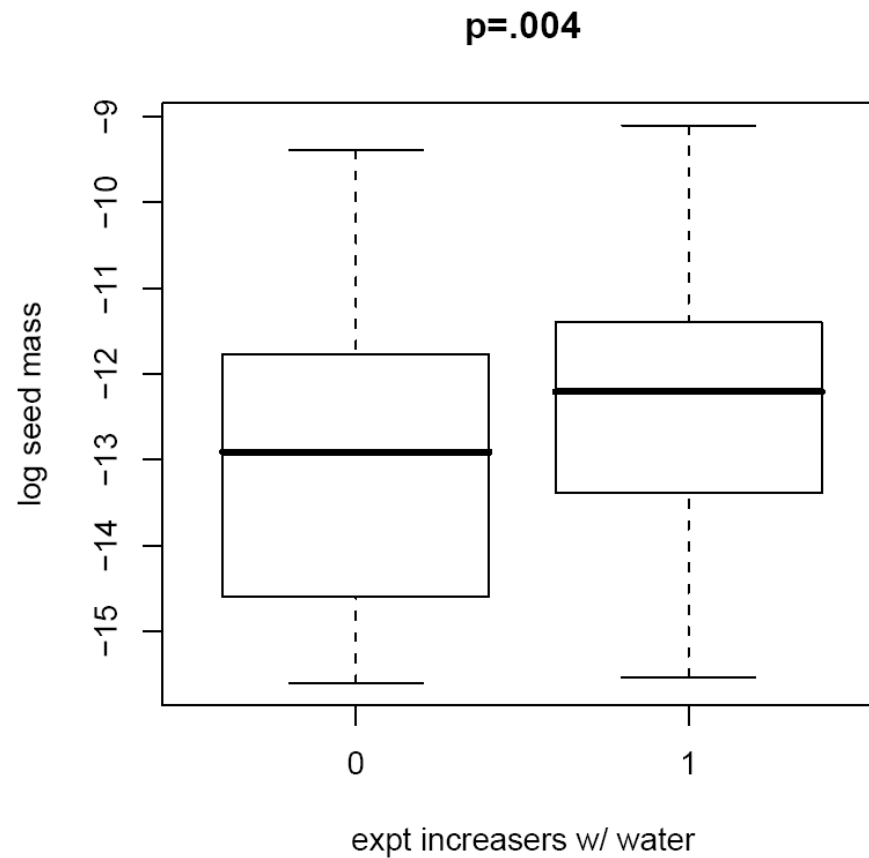
Histogram of $\log(\text{fuller\$water_response})$



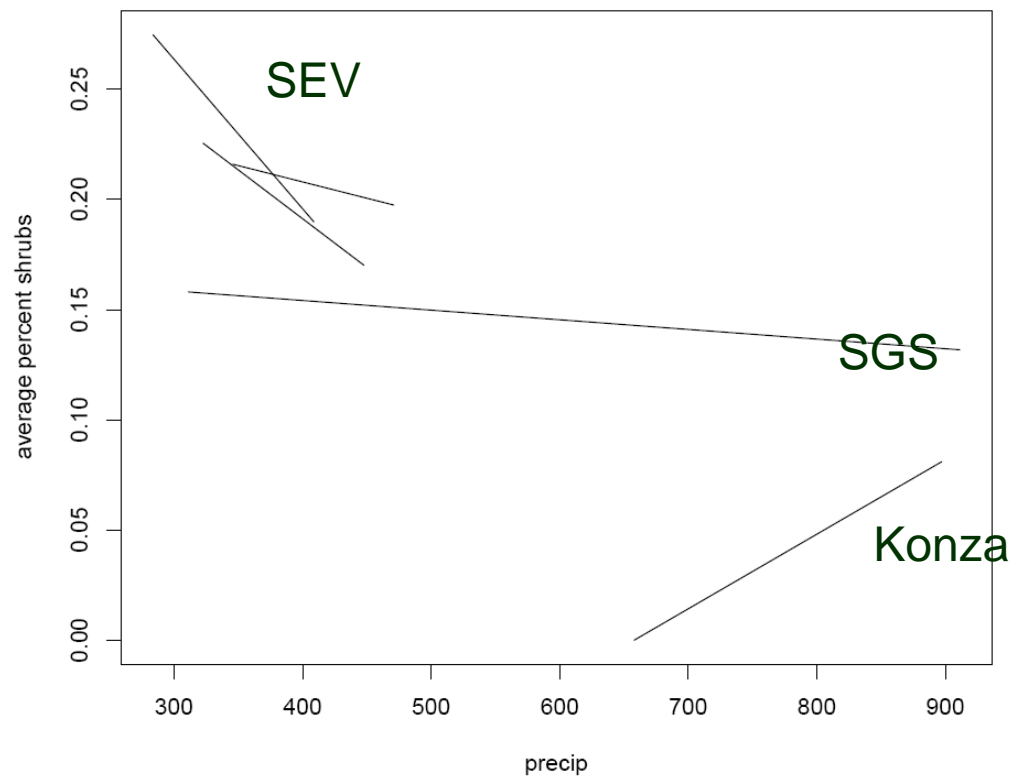
Response to water by % shrub



“Increasers” have bigger seeds



Experimental % shrub changes (+/-) with water addition (sometimes?)



Natural plot precipitation with the Experimental plots

