



Grasses, Legumes, and Forbs

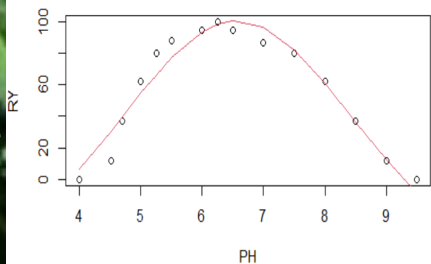
Beginning Research Project by Mireia Roig-Paul, through the lab of Dr. David Hannaway

Research Question

What are the ideal conditions for various forages?

Focus on: Environmental, soil, temporal, and management conditions to produce highest yield

I looked at Tall Fescue, Balansa Clover, and Forage Rape. The way each intern was they were given a grass, clover, and forb.

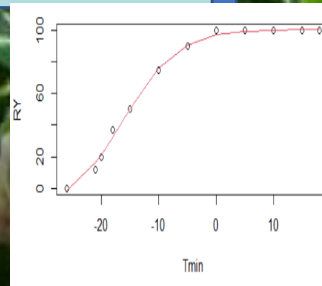


Methods

Electronic work, based on previously collected information

Reviewed available literature, physical and online, for 3 forages to make tolerance graphs using R-Studio. These will later be compiled into suitability maps, by comparing tolerances to environmental conditions and creating an ideal range of tolerant locations.

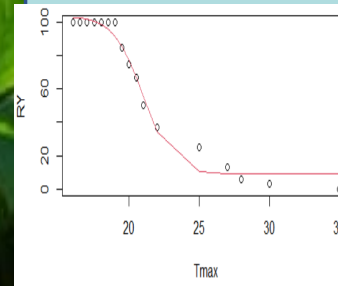
Balansa Clover
Minimum & Maximum Temperature Tolerance



Current Status

Ongoing

Currently, over 10 forage species have been fully graphed, along with multiple suitability maps for certain forages. Updating databases, ease of access, and creating websites are also projects done through this lab. This has been a collaboration between OSU staff, extension workers, students, and outside professionals in the field. It has given a wide base of connections and experience.



My Experience

Personal & professional growth

Real world discussions about extension work, confidence in communication, met professionals in the field. I learnt more about applicable technology, like website or spreadsheet management, and applications of R-Studio. I gained collaborative skills through various teams. Presentation skills improved in precision, as well as various lenses for accessibility.

Forage Rape Salinity Tolerance

