Discussion:

- Both Marsh and Canada thistle extracts reduce radical growth in White dutch clover, ryegrass and oat (all t-tests significant compared to water control).
- Germination percent was unaffected by either extract in white clover, lower in ryegrass, and higher in oats.
- Our results using marsh thistle extract were comparable to Bendall’s results Canada thistle for both germination and radicle length reduction in white dutch clover (used in both studies).
- We conclude that marsh thistle dominates other plants by its allelopathic compounds that are equal or stronger than those in Canada thistle.

Literature cited:


Acknowledgements: Thanks to Amanda Rhodes, Sara Gebreeziabher, and Mariama Coulbaly for helping me out with this research.