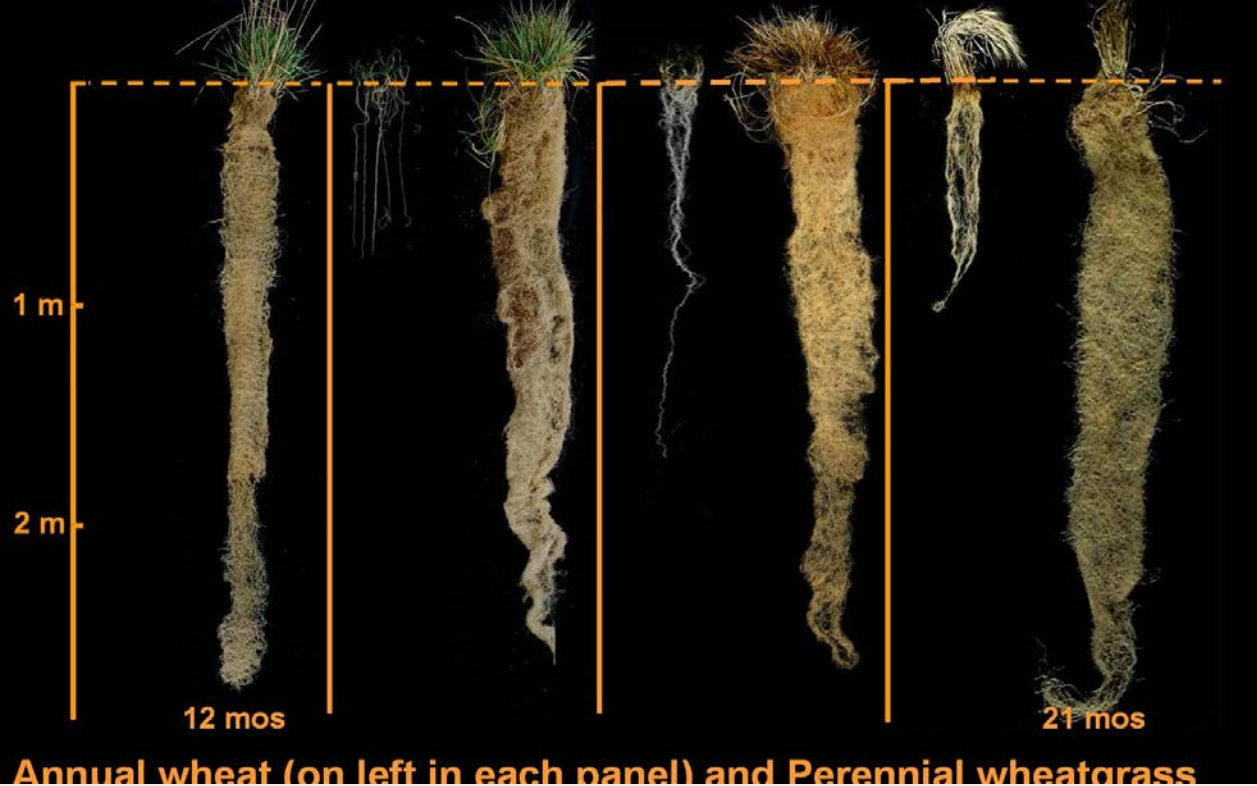




# LAND-ATMOSPHERE INTERACTIONS OF KERNZA®

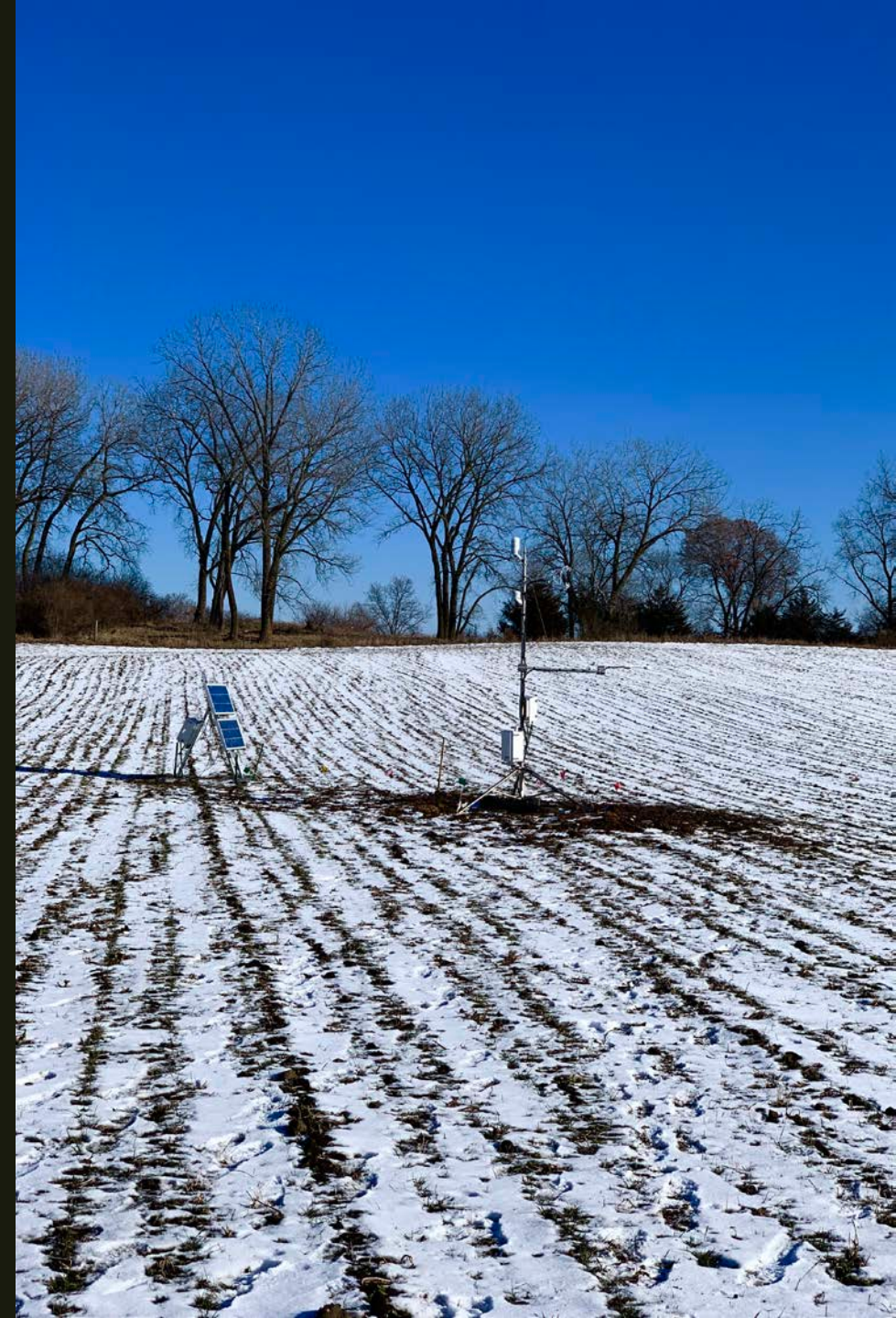
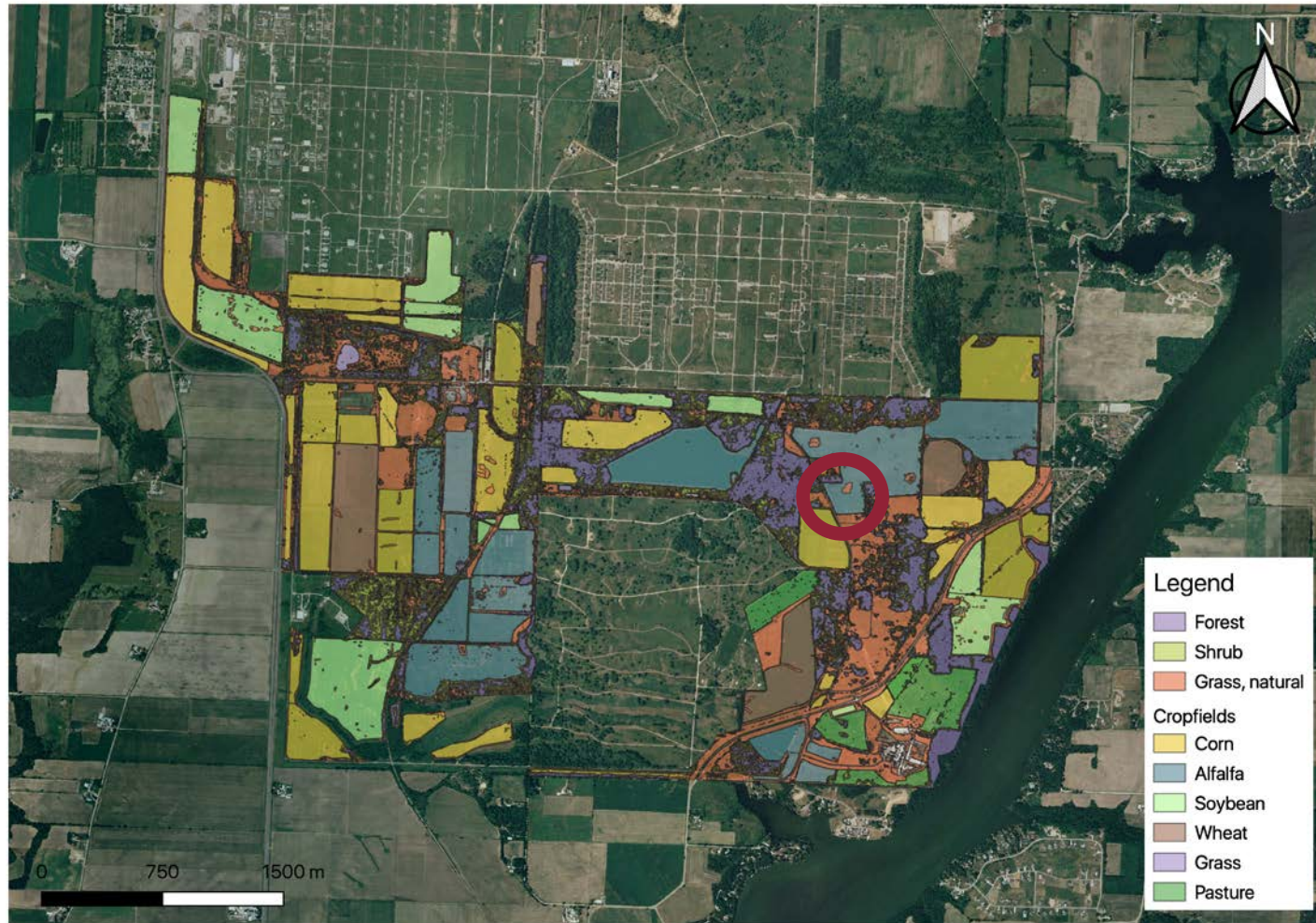
Susanne Wiesner, ORISE – USDA-ARA  
UW, Valentin Picasso & Ankur Desai

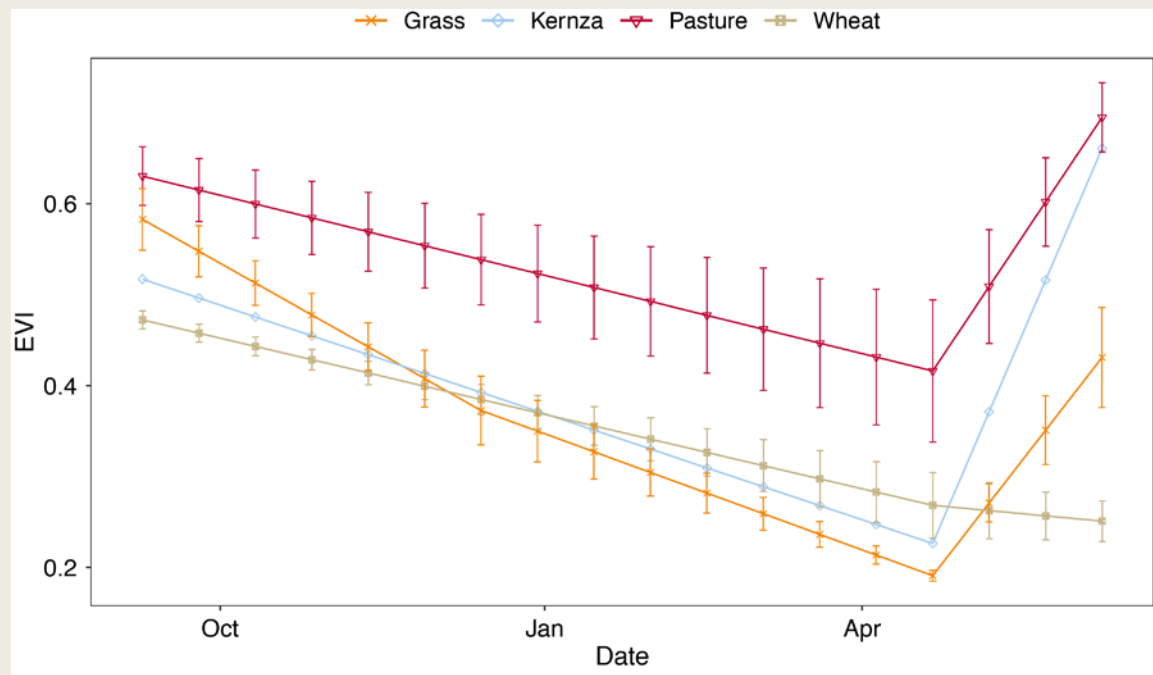
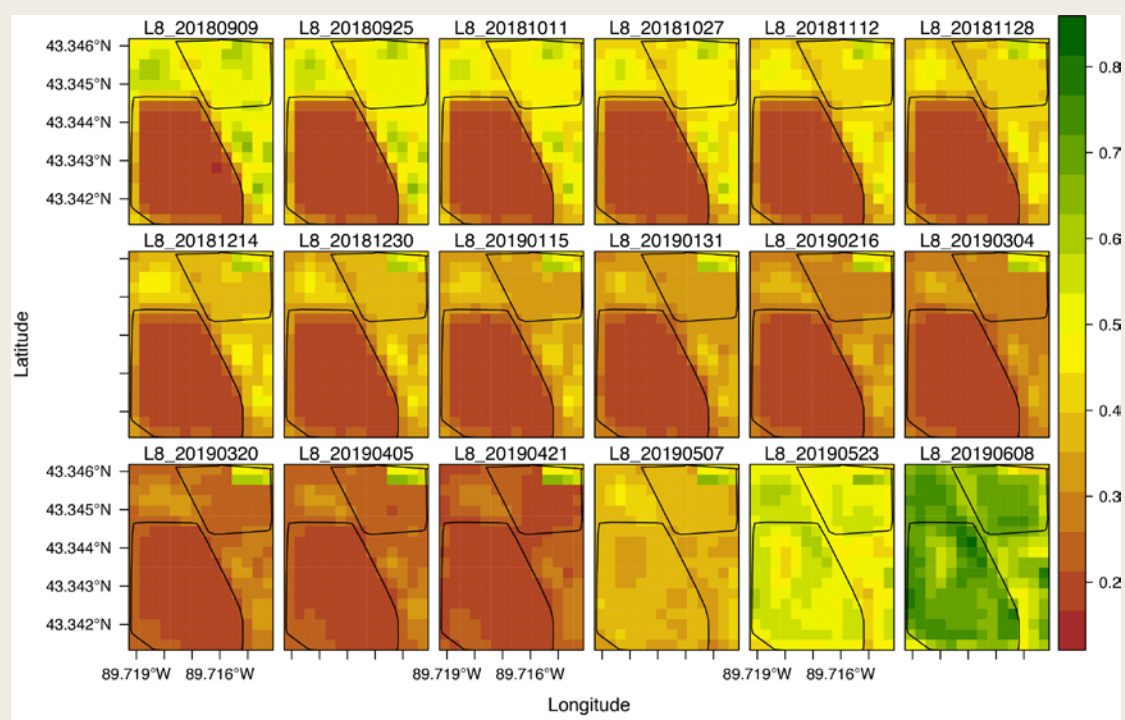


## Ecological benefits of *Thinopyrum intermedium*

- Soil conservation and improvement
- Drought resistance and cold hardy

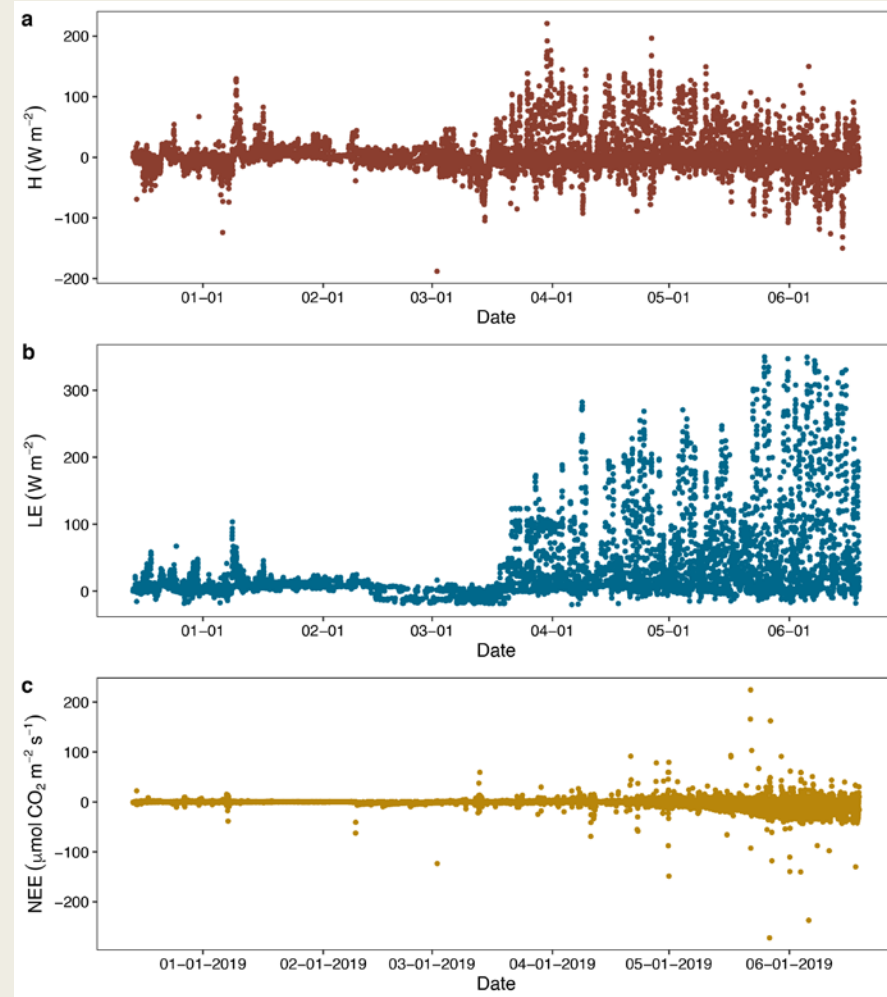
# EC tower at DFRC, Prairie du Sac



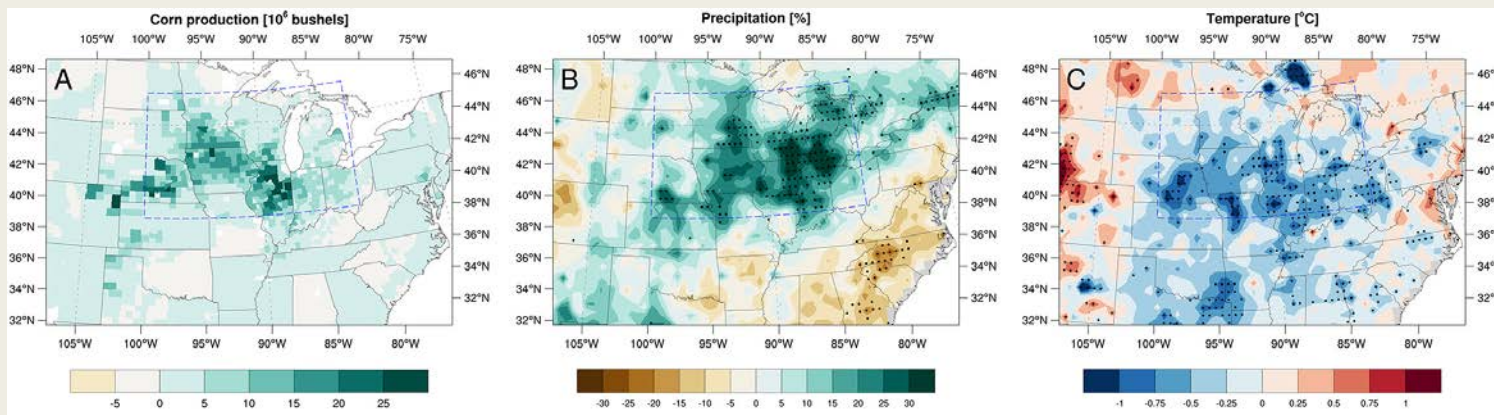
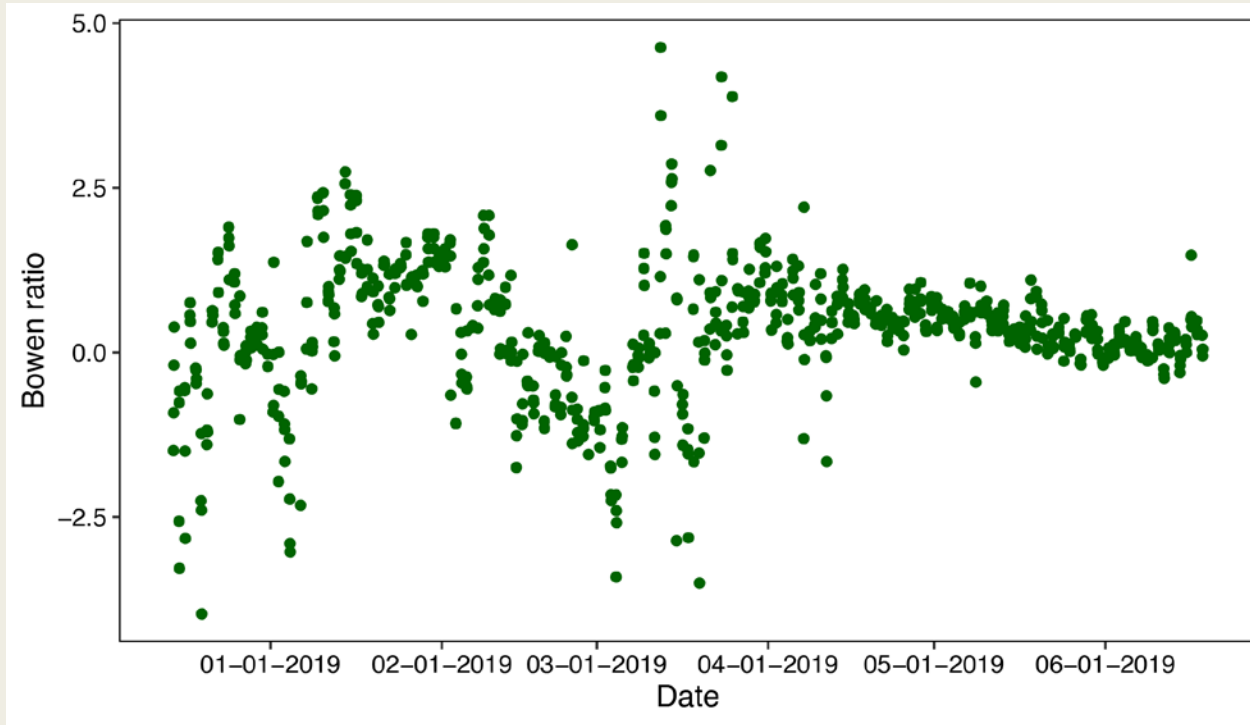




- High WUE (de Oliverira et al. 2018)
- Greater evaporation compared to annual crops (corn and soybean), due to higher LAI
- Greater precipitation use efficiency > lower runoff



# Land-Atmosphere Interactions



Alter et al., 2018

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