

# Investigating the impact of extreme weather events on plant available nitrogen using microdialysis

## Research questions

- (1) How does rewetting after drought influence concentrations of plant available nitrogen?
- (2) What are the differences in N availability between different precipitation manipulations?

## Preliminary results

- Increase of nitrate after the irrigation
- Decline after eight hours evident for microdialysis sampling
- Higher ammonium content in extracts
- Higher nitrate content in microdialysis samples (significantly higher for the severe stress treatment)

## Time series of NO<sub>3</sub>-N concentration and flux

