

USDA-ARS Water Management & Systems Research Unit

Limited Irrigation Research Farm – Field Day 2017

When: Thursday, August 3, 9am – 1pm

- Field tours and Demonstrations, 9am – 12pm (last tour starts at 11am; tour duration: ~1 hour)
- Lunch (provided by Sponsors) following tours from 11am till 1pm

Where: USDA Central Plains Limited Irrigation Research Farm

30900 CR 45, Greeley, Colorado (SE corner of CR45 and CR64) [click for map](#)

The Field Day will highlight research to maximize productivity with limited irrigation water and practices for monitoring and managing limited irrigation water.

Topics will include:

- Yield expectations with reduced irrigation
- Measurement of plant water stress
- Drought tolerance among multiple corn maize varieties
- UAV-based remote sensing & irrigation scheduling via canopy temperature demonstration
- Estimating consumptive use (evapotranspiration) with deficit irrigation
- Measurements to manage and document (monitor) consumptive use savings and support Alternative Ag Water Transfer Methods (including remote sensing)



Sponsors: USDA-ARS, Northern Colorado Water Conservancy District (NCWCD), OgallalaWater

