Research Site Leader: Kelly Nelson, University of Missouri

SITE CHARACTERISTICS
- Drainage system installed in 2009, Subirrigation added in 2015
- Soil: Blackoar silt loam

WATER MANAGEMENT PRACTICES
- Non-Drained
- Conventional Drainage (depth 3′, spacing 60′)
- Controlled Drainage (depth 3′, spacing 60′ [2009-2014])
- Controlled Drainage with Subirrigation (depth 3′, spacing 30′ [2015-2018])

SITE MEASUREMENTS (2010-2018; n= # of years)
- Tile Flow (n = 4)
- Tile Water Quality: Nitrate-N
- Irrigation Flow
- Soil Texture (n = 1)
- Soil Bulk Density (n = 1)
- Hydraulic Conductivity
- Soil Fertility: pH, Cation Exchange Capacity, Neutralizable Acidity, SOM (n = 4)
- Soil Nitrate and Ammonium (n = 4)
- Crop Yield/Biomass (n = 4)
- Final Plant Population
- Total N: Vegetative (n = 4)
- Total N: Vegetative, Grain
- On-Site Weather Station: Precipitation, Air Temperature, Relative Humidity, Solar Radiation, Wind Speed and Direction (n = 4)

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