Research Site Leader:
Kelly Nelson, University of Missouri

SITE CHARACTERISTICS
- Diked, floodplain location
- Drainage system installed in 2009
- Soil: Wabash silty clay
- Rotation: Continuous Corn

WATER MANAGEMENT PRACTICES
- Non-drained
- Conventional Drainage (depth 3’, spacing 20’)
- Controlled Drainage (depth 3’, spacing 20’)

SITE MEASUREMENTS (2010-2013; n = # of years)
- Tile Flow (n = 4)
- Tile Water Quality: Nitrate-N (n = 4)
- Soil Texture (n = 1)
- Soil Bulk Density (n = 1)
- Soil Fertility: pH, Cation Exchange Capacity, Neutralizable Acidity, SOM (n = 4)
- Soil Nitrate and Ammonium (n = 4)
- Crop Yield (n = 3)
- Final Plant Population (n = 3)
- Biomass: Vegetative (n = 3)
- Total N: Vegetative, Grain (n = 3)
- On-Site Weather Station: Precipitation, Air Temperature, Relative Humidity, Solar Radiation, Wind Speed and Direction (n = 4)

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