



Research Site Leader:
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SITE CHARACTERISTICS

- Drainage system installed in 1990 (depth 4', spacing 75')
- Soil: Portsmouth sandy loam
- Rotation: Corn-Wheat-Soybean

WATER MANAGEMENT PRACTICES

- Conventional Drainage
- Controlled Drainage
- Controlled Drainage with Subirrigation

SITE MEASUREMENTS (2013-2015; n= # of years)

- Tile Flow (n = 3)
- Tile Water Quality: Nitrate-N (n = 3)
- Water Table Depth (n = 3)
- Soil Moisture (n = 3)
- Soil Fertility: Total N (n = 3)
- Crop Yield (n = 3)
- Total N: Vegetative (n = 3)
- Corn Development Stage (n = 3)
- On-Site Weather Station: Precipitation, Air Temp, RH, Solar Radiation, Wind Speed and Direction (n = 3)