



**Research Site Leader:
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SITE CHARACTERISTICS

- Drainage system installed in 1992
- Soil: Kossuth-Ottosen, Harps, and Okoboji clay loams
- Rotation: Corn-Soybean

WATER MANAGEMENT PRACTICES

- Conventional Drainage (depth 4', spacing 90')
- Controlled Drainage (depth 4', spacing 120')

SITE MEASUREMENTS (2006-2009; 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: Soil Organic Carbon, Total N (n = 1)
- Soil Nitrate and Ammonium (n = 4)
- Crop Yield (n = 4)
- Total N: Grain (n = 4)
- Total C: Grain (n = 4)
- Corn Development Stage (n = 4)
- On-Site Weather Station: Precipitation, Air Temperature, Relative Humidity, Solar Radiation, Wind Speed and Direction, Evapotranspiration (n = 4)