North Dakota State University
Site Name: Clay County Farm
Site ID: CLAY_R
Practice: Drainage Water Recycling

Research Site Leader:
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SITE CHARACTERISTICS
- Drainage system installed in 2011
- Soil: Bearden silt loam
- Rotation: Corn-Soybean, occasionally Sugar Beet

WATER MANAGEMENT PRACTICES
- Controlled Drainage (depth 3-4', spacing 50')
- Controlled Drainage with Subirrigation (depth 3-4', spacing 40')

SITE MEASUREMENTS (2012-2015; n = # of years)
- Tile Flow (n = 4)
- Tile Water Quality: Nitrate-N, Reactive P, pH, Electrical Conductivity (n = 4)
- Water Table Depth (n = 4)
- Irrigation Flow (n = 4)
- Soil Texture (n = 1)
- Soil Bulk Density (n = 1)
- Hydraulic Conductivity (n = 1)
- Soil Water Retention (n = 1)
- Soil Moisture and Temperature (n = 4)
- Soil Electrical Conductivity (n = 4)
- Soil Fertility: Sodium Adsorption Ratio, Salinity (n = 2)
- Soil Nitrate (n = 2)
- Crop Yield (n = 4)
- On-Site Weather Station: Precipitation, Air Temperature, Relative Humidity, Solar Radiation, Wind Speed and Direction, Evapotranspiration (n = 4)

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