

# 1994 LTER Main Site

## Treatments

- T1 High input wheat/corn/**soybean** conventional till
- T2 High input wheat/corn/**soybean** no till
- T3 Low input organic based wheat/corn/**soybean**
- T4 Zero input organic based wheat/corn/**soybean**
- T5 Perennial biomass - *Populus* trees
- T6 Perennial biomass - Alfalfa
- T7 Successional community - Historically tilled
- T8 Successional community - Never tilled (off-site)
- T21 Same as T2 r5 but plowed 1994

- Nitrogen fertilizer microplot
  - Poplar allometry microplot
  - Moldboard plow microplot
  - Leaf Litter Traps
  - 2m x 1m Poplar trees, no fescue cover
  - Plant competition microplots (3 density x 2 herbicide)
  - Tree establishment study
  - Litter transplant study
  - Cross-site decomposition study
  - Root turnover study
- Minirhizotrons
  - ★ Trace gas flux chambers
  - θ TDR Rods
  - ψ Low tension suction lysimeters
  - ⊛ Weather station & weighing lysimeter
  - ⌂ Trace gas shed

