

1996 LTER Main Site

Treatments

- T1 High input wheat/corn/soybean conventional till
 - T2 High input wheat/corn/soybean no till
 - T3 Low input wheat/corn/soybean with cover crop
 - T4 Zero input wheat/corn/soybean with cover crop
 - 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

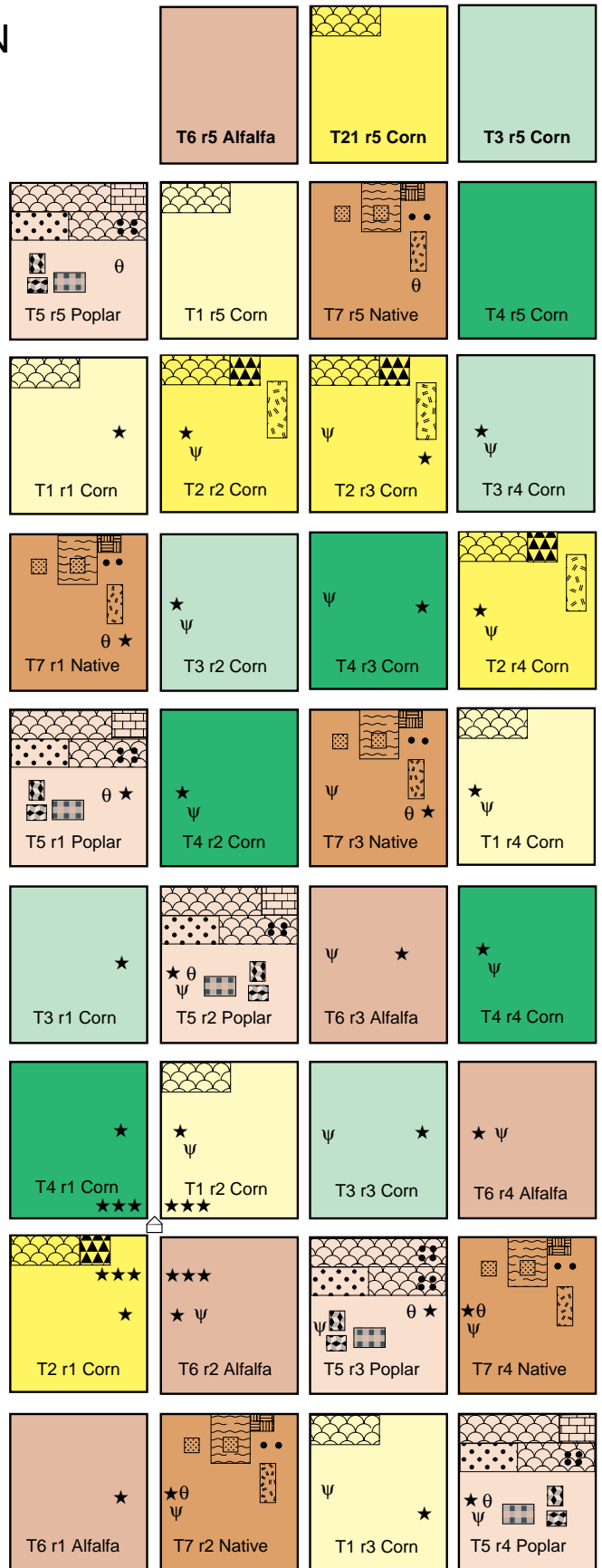
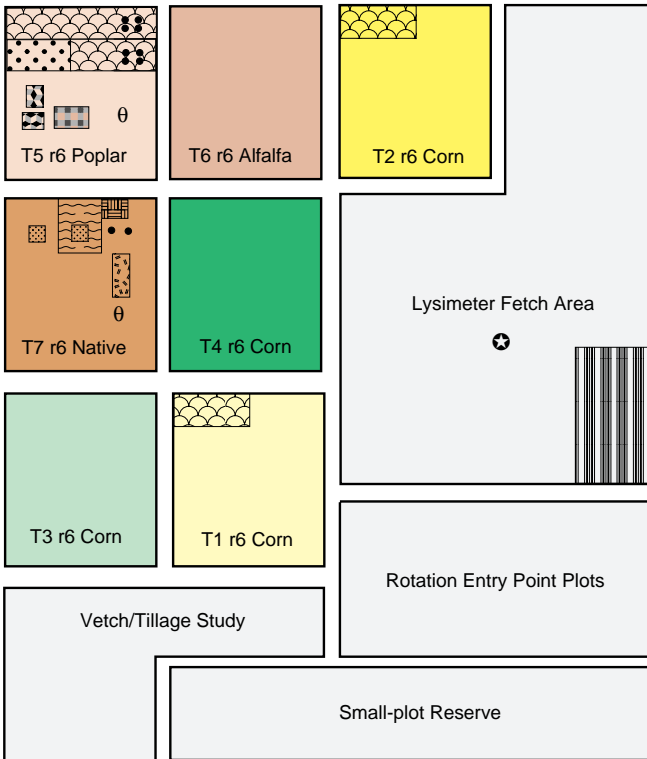
- Nitrogen fertilizer microplot
- Poplar allometry microplot
- Moldboard plow microplot
- Leaf Litter Traps
- 2m x 1m Poplar trees, no fescue cover
- Plant competition microplots (3 density x 2 herbicide)
- Gypsy moth biocycling
- Litter transplant study
- Cross-site decomposition study
- Root turnover study
- Nematode disturbance study

- Minirhizotrons
- ★ Trace gas flux chambers
- θ TDR Rods
- ψ Low tension suction lysimeters
- ⊕ Weather station & weighing lysimeter
- ⊞ Trace gas shed

Soil Profile Pit

Poplar Tracer Study

Gene Transfer Study



T8 r1
T8 r2
T8 r3
T8 r4
(200 m off-site)