

2023 KBS LTER Main Site

Main Cropping System Experiment

Treatment Key

- T1 Conventional **corn**/soybean/wheat
 - T2 No-till **corn**/soybean/wheat
 - T3 Reduced Input **corn**/soybean/wheat with cover crop
 - T4 Biologically Based **corn**/soybean/wheat with cover crop
 - T5 Poplar (planted in 2019)
 - T6 Switchgrass (Alfalfa from 1989-2017)
 - T7 Early Successional community
 - T8 Mown Grassland (never tilled) community
- r = replicate number

Microplot Treatment Key

- Nitrogen fertilized (T7)
- Tillage (T7)
- Bromegrass (T6)
- Unfertilized (T6 and T7)

Subplot Treatment Key

- Prairie strip (T3 and T4) (4.5 m wide)
- No-burn area in prairie strip

Instrumentation Key

- ★ Trace gas flux chambers
- ψ Low tension suction lysimeters
- ⊛ Weather station & weighing lysimeter
- ⊠ Trace gas shed
- Wireless tower & sun photometer
- ⊙ Aphid tower

- Storage & Shop
- Field Lab

- Soil Profile Pit
-

