2026 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

Weather Station Coordinates:
-85.37372
42.40847

Soil Profile Pit

LTER Field Lab Drive

Robertson LTER Main Drive

N

87 m

105 m

T5 r5 Poplar | T1 r5 Corn | T7 r5 Succession | T4 r5 Corn | T6 r5 Switchgrass | T2 r5 Corn | T3 r5 Corn

T1 r1 Corn | T2 r2 Corn | T2 r3 Corn | T3 r4 Corn

T7 r1 Succession | T3 r2 Corn | T4 r3 Corn | T2 r4 Corn

T5 r1 Poplar | T4 r2 Corn | T7 r3 Succession | T1 r4 Corn

T3 r1 Corn | T5 r2 Poplar | T6 r3 Switchgrass | T4 r4 Corn

T4 r1 Corn | T1 r2 Corn | T3 r3 Corn | T6 r4 Switchgrass

T2 r1 Corn | T6 r2 Switchgrass | T5 r3 Poplar | T7 r4 Succession

T6 r1 Switchgrass | T7 r2 Succession | T1 r3 Corn | T5 r4 Poplar

T5 r6 Poplar | T6 r6 Switchgrass | T2 r6 Corn

T7 r6 Succession | T4 r6 Corn

T3 r6 Corn | T1 r6 Corn

Resource Gradient Experiment

Biodiversity Gradient Experiment (Retired 2020)

Cellulosic Biofuels Diversity Experiment (Retired 2025)

40th Street

B Avenue

Main Entrance (Gate)

(200 m south of B Avenue)

T8 r1 ★ | T8 r3 ★ | ★ T8 r2 | ★ T8 r4

Revised 10 Mar 2026