2011 KBS LTER Main Site

Main Cropping System Experiment

Treatment Key
- T1 Conventional corn/soybean/wheat conventional till
- T2 No-till corn/soybean/wheat no till
- T3 Reduced-input corn/soybean/wheat
- T4 Biologically-based (organic) corn/soybean/wheat
- T5 Poplar trees
- T6 Alfalfa
- T7 Early Successional community
- T8 Mid-Successional community - Never tilled

r = replicate number

Microplot key
- Fertilizer and competition microplot
- Tilled microplot (T7)
- Plant competition microplots (3 density x 2 herbicide)
- Nematode disturbance study

Instrumentation key
- Minirhizotrons
- Trace gas flux chambers
- Low tension suction lysimeters
- Weather station & weighing lysimeter
- Trace gas shed
- Wireless tower & sun photometer
- Aphid tower

Storage & Shop
Field Lab

Soil Profile

ECB Study GT Study

Lysimeter Fetch Area

Main Driveway

T5 r6 Poplar T6 r6 Alfalfa T2 r6 Corn

T5 r5 Poplar T1 r5 Corn

T7 r5 Succession T2 r5 Corn T3 r5 Corn

T6 r5 Alfalfa

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

T7 r2 Succession

T3 r1 Corn

T6 r3 Alfalfa

T4 r4 Corn

T6 r4 Alfalfa

T7 r4 Succession

Nitrogen Rate Study

Biodiversity Study

Cellulosic Biofuel Study

40th Street

B Avenue Main Entrance (Gate)

(200m off-site)