

# 2012 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

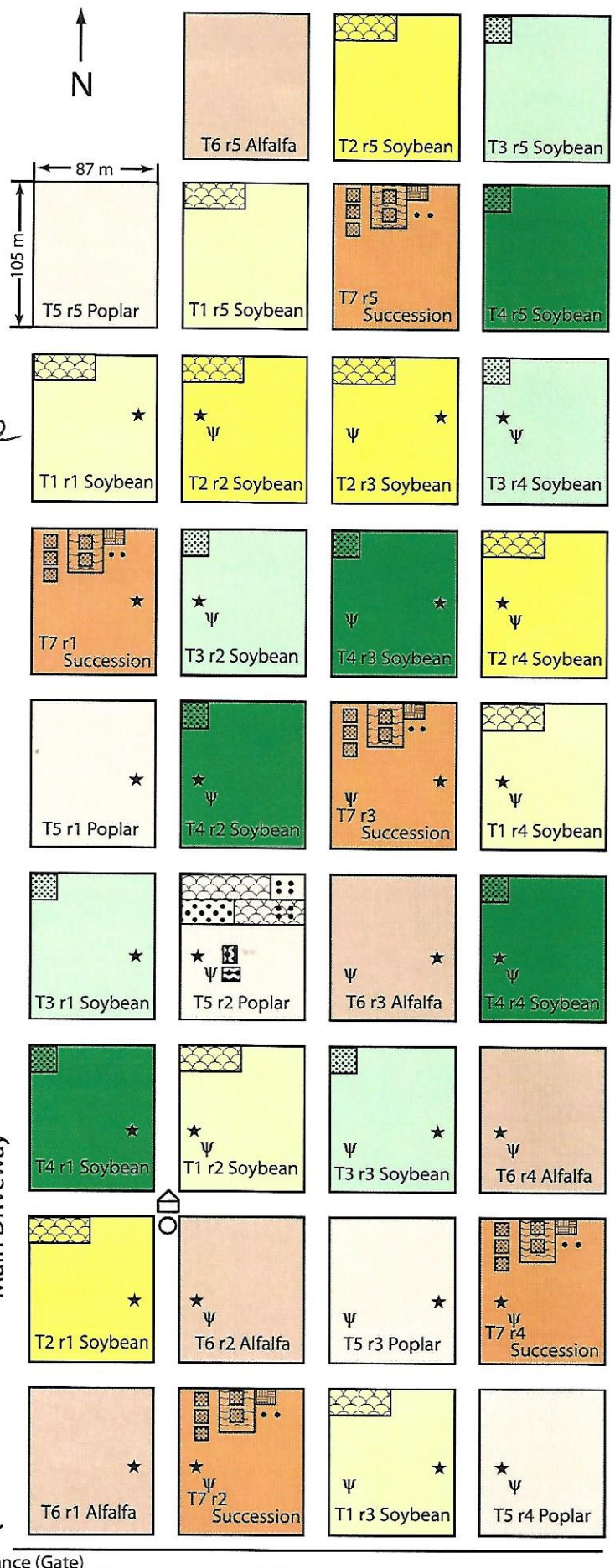
- Fertilizer and competition microplot
- Tilled microplot (T7)
- Plant competition microplots (3 density x 2 herbicide)
- Nematode disturbance study

### Instrumentation key

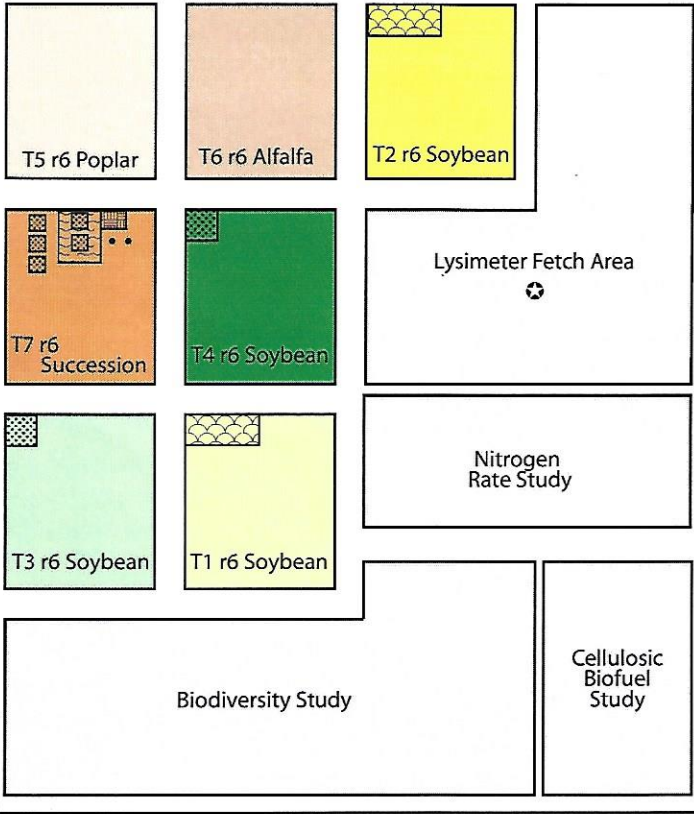
- Minirhizotrons
- ★ Trace gas flux chambers
- Ψ Low tension suction lysimeters
- ⊙ Weather station & weighing lysimeter
- ⊙ Trace gas shed
- Wireless tower & sun photometer
- ⊙ Aphid tower

- Storage & Shop
- Field Lab

60 lbs  
11-52-0  
T3  
4/23/2012  
1pm  
53°F  
29% RH  
13 mph N  
avg 13  
55°F / 26% RH / 12 mph NW  
Soil Profile



ECB Study      GT Study



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