

2021 KBS LTER Main Site

T4

11/08/21

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
- Tillage (T7)
- Bromegrass (T6)
- Unfertilized Switchgrass (T6)

Subplot Treatment Key

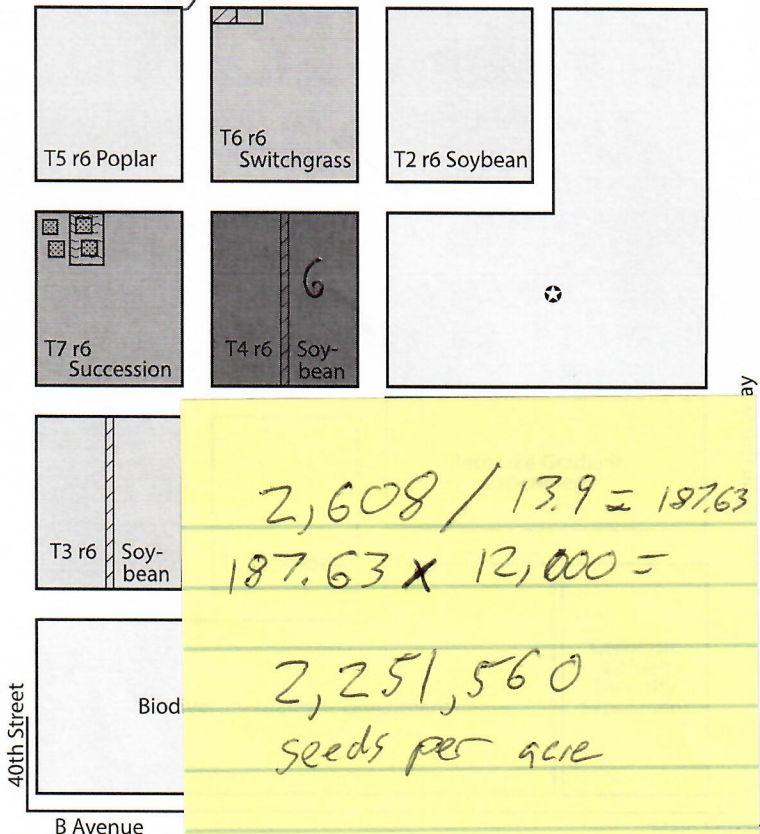
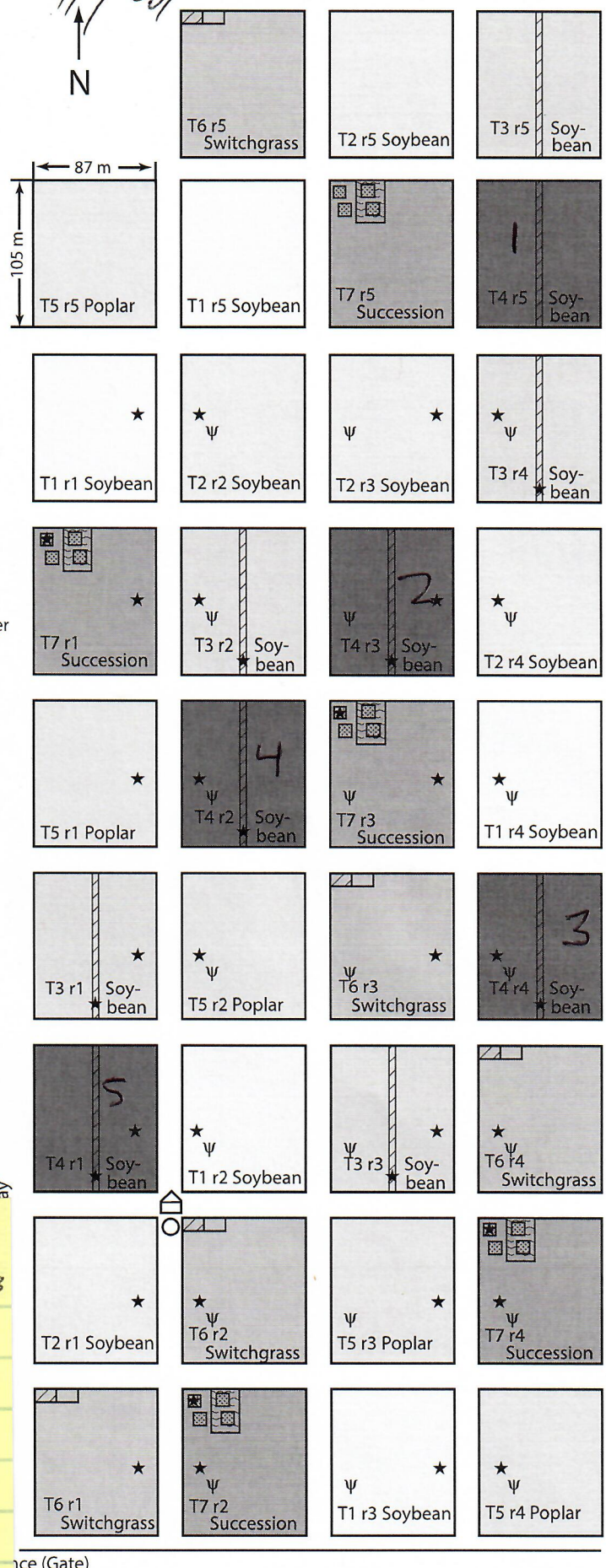
- Prairie strip (4.5 m wide)

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

30 bags + 27 bags
 13.9 acres planned
 meter set to 42 using 2nd notch
 2,608 lb used



2,608 / 13.9 = 187.63
 187.63 x 12,000 =
 2,251,560
 seeds per acre