

CHEMICAL APPLICATION REPORT

DATE OF APPLICATION: MAY 3, 2011

RESTRICTED ENTRY INTERVAL (REI): 4 HR

DESCRIPTION OF AREA: LYSIMETERS; N-RATE (LTER)
GLBRC G1, G2 and G4

**DO NOT ENTER
UNTIL (DATE/TIME):**
10:30 PM
MAY 3, 2011

WEATHER CONDITIONS:

Sunny Partly Sunny Partly Cloudy Cloudy Rainy

Time begin 3:45 P. end 6:30
Air Temperature: 50 °F °C
Wind Velocity: 1-5 mph
Relative Humidity: 53 %



COMMENTS: GUSTY WINDS @ END OF PERIODS

JOB PERFORMED:

Spray Fertilize Other:

PURPOSE OF APPLICATION: PRE-PLANT WEED BURNDOWN

SPRAYER TYPE:

AIR-BLAST HAND SPRAYER CO₂ BOOM SPRAYER OTHER

SPECIFIC INFORMATION: CORN (20A MAYS)

CROP TREATED (species)

PRODUCT NAME	ACTIVE INGREDIENT	EPA Registration Number (CAS if applicable)	APPLICATION RATE	TOTAL AMOUNT APPLIED
Roundup Power Max	GLYPHOSATE	524-549	44 g/A	3 gal
AMMONIUM SULFATE		CAS 7783-20-2	3.4 lbs/A	30 #

OTHER COMMENTS/EQUIPMENT USED: Equipment used: JD 5220 tractor traveling 5.0 mph (gear C1, 1600 rpm) with a pull type Top Air Sprayer equipped with a hydraulic centrifugal sprayer pump and a Raven 440 automatic carrier control unit. Turbo TeeJet 11003 nozzles were used, spaced 15 inches apart with a total boom length of 30 feet. 20-30 psi was used. Water applied at 20 gals/A (187 L/Ha) was used as the carrier.

INDIVIDUAL PERFORMING WORK: [Signature]

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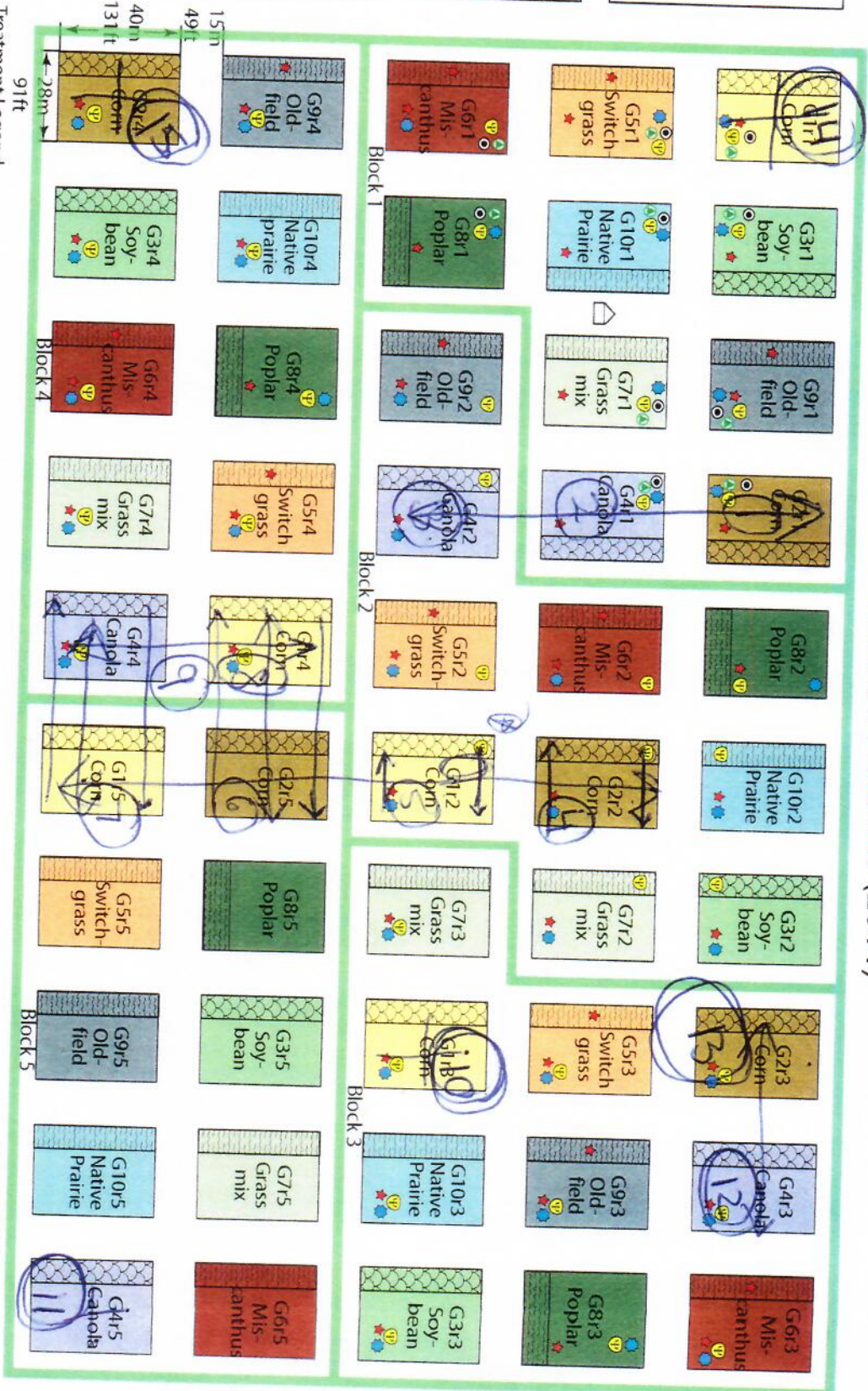
KBS GLBRC Intensive Field Site (2011)

Biofuel Productivity Experiment

Switchgrass Variety Experiment

Miscanthus/Switchgrass EBI Experiment

Weed Control Experiment



- Treatment Legend**
- G1 Continuous corn
 - G2 Corn-Soybean-Canola
 - G3 Soybean-Canola-Corn
 - G4 Canola-Corn-Soybean
 - G5 Switchgrass
 - G6 Miscanthus
 - G7 Native Grass mix
 - G8 Poplar
 - G9 Old field
 - G10 Native prairie

- Plot Legend**
- Trace gas flux chamber
 - Low tension suction lysimeter
 - Trace gas shed
 - Time domain reflectometry (TDR)
 - Automated gas chamber
 - Time TDR
 - Unfertilized microplot (G10-fertilized)
 - Stover non removal microplot

Switchgrass Nitrogen/Harvest Experiment