

CHEMICAL APPLICATION REPORT

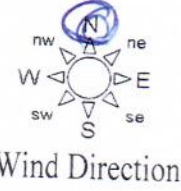
DATE OF APPLICATION: May 3, 2011
 RESTRICTED ENTRY INTERVAL (REI): 4 HR
 DESCRIPTION OF AREA: LYSIMETER; N-RATE (LTER)
GLBRC G1, G2 and G4

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

WEATHER CONDITIONS:

Sunny Partly Sunny Partly Cloudy Cloudy Rainy

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



COMMENTS: GUSTY WINDS @ END OF PERIOD

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 gal

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.

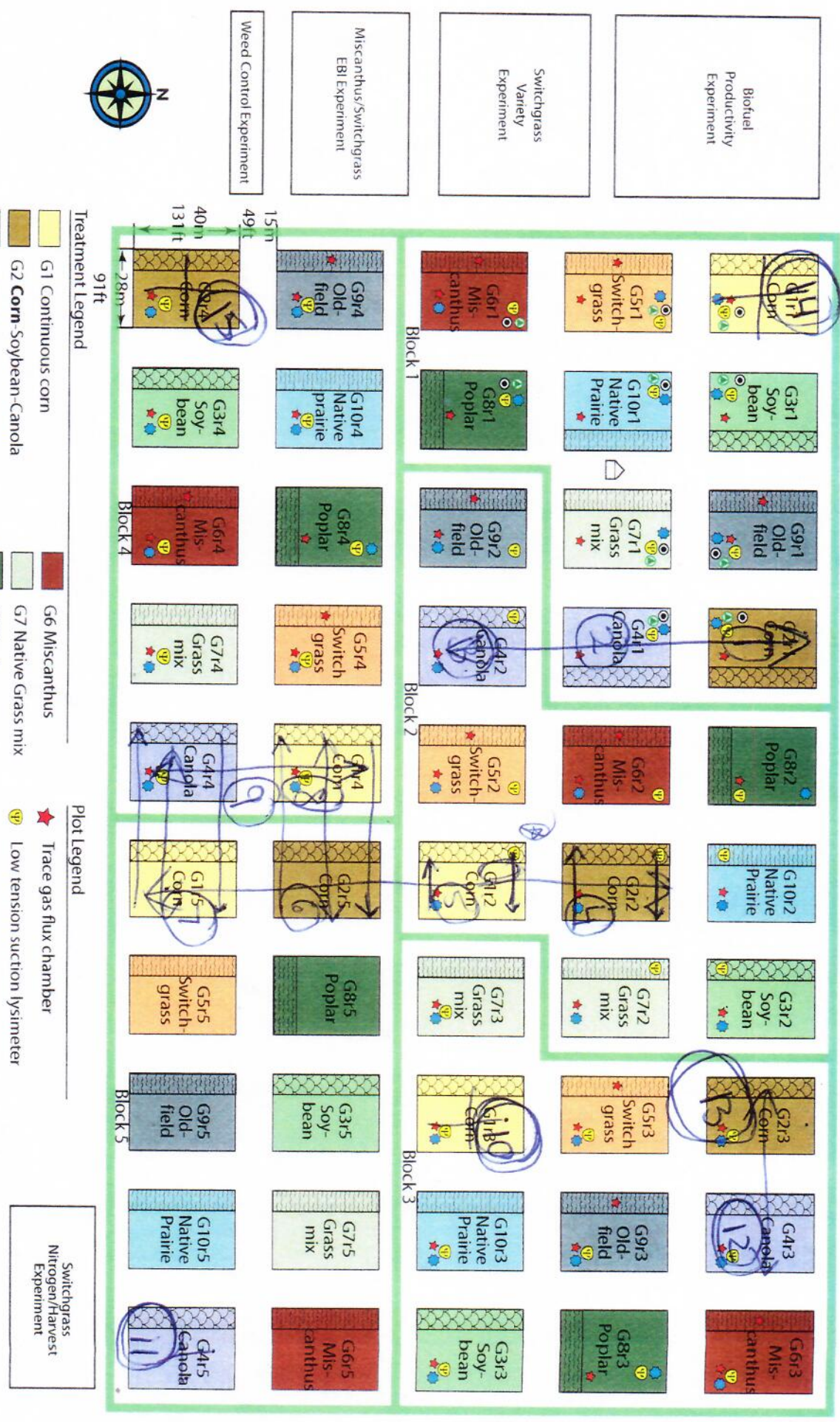
INDIVIDUAL PERFORMING WORK: [Signature]

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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
- Trime TDR
- Unfertilized microplot (G10-fertilized)
- Stover non removal microplot

Switchgrass Nitrogen/Harvest Experiment