

CHEMICAL APPLICATION REPORT

DATE OF APPLICATION: MAY 3, 2011

RESTRICTED ENTRY INTERVAL (REI): 4 HR

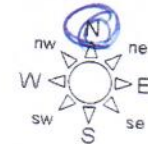
DESCRIPTION OF AREA: LYSIMETER; N-RATE (LTER)
GLBRC G1, G2 and G4

**DO NOT ENTER
UNTIL (DATE/TIME):**
10:30 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 %



Wind Direction

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	7783-202	34 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]

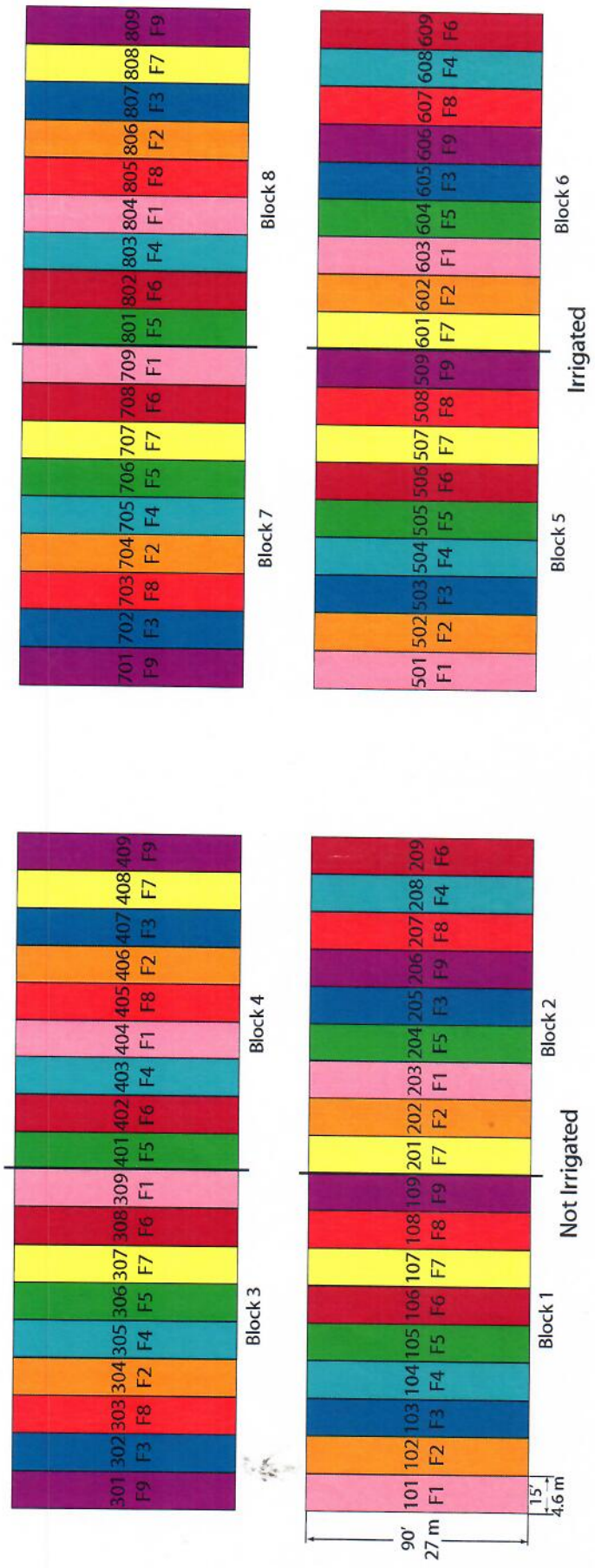
TELEPHONE: 517-927-6682

RESEARCH PROJECT LEADER:

ROBERTSON

TELEPHONE: 269-671-2267

KBS LTER Nitrogen Fertility/Irrigation Experiment



Nitrogen Amounts in Corn Crop Years

Treatment	F1	F2	F3	F4	F5	F6	F7	F8	F9
N(lb/a)	0	30	60	90	120	150	180	220	260
N(kg/ha)	0	34	67	101	135	168	202	246	291

Nitrogen Amounts in Winter Wheat Years

Treatment	F1	F2	F3	F4	F5	F6	F7	F8	F9
N(lb/a)	0	20	40	60	80	100	120	140	160
N(kg/ha)	0	23	45	67	90	112	135	157	180

All treatments established May 2005
Each plot is 15' x 90' (4.6 x 27.4 m)

Location within main LTER site

