

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 6.0
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 10 X 29 FEET
PLOT AREA: 290 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMI	LIQMI	LIQMI	
APPLICATION DATE	05/05/10	06/07/10	06/10/10	AME
AIR TEMPERATURE	66	75	74	F
% REL.HUMIDITY	52	47	45	
WIND DIRECTION	WEST	SOUTHEAST	SOUTHWEST	
WIND SPEED	10.0	4.0	3.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLOUDY	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
	DEN/ STG/ MINMAXSZ			
*** CROP ***				
CORN, DENT		---/15	---/16	
PIONEER 0916XR		9.00/12.0	10.0/13.0	IN
05/04/2010				
*** PEST ***				
VELVETLEAF		---/14	---/15	
		1.00/3.00	1.00/3.00	IN
RAGWEED, GIANT		---/18	---/18	
		2.00/9.00	3.00/10.0	IN
LAMBSQUARTERS, C		---/18	---/18	
		0.50/1.50	0.50/1.50	IN
FOXTAIL, GIANT		---/14	---/15	
		1.00/4.00	2.00/5.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
12 = ----- / POST
13 = ----- / LPOST

* STAGE CODE

14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in RR/LL Corn. SW-1500

CREATED: 04/08/2010 REVISED: 10/21/2010

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: DeKalb

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 29.00 FT LONG

PLOT AREA: 290.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	ZEAMD
		RATE	UNIT		PRE	PRE	PRE	PRE	PRE	10 DAT
					06/07/10	06/07/10	06/07/10	06/07/10	06/07/10	06/17/10
1A	DUAL II MAGNUM	0.96	LAA	9	0	98	10	20	80	0
	B»HALEX GT 4.38L	1.97	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
2A	BICEP II MAG	1.79	LAA	9	0	98	37	40	99	0
	B»HALEX GT 4.38L	1.97	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	GUARDS MAX 5L	1.56	LAA	9	0	99	43	43	99	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»STATUS 56DG	0.088	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A»	LEXAR 3.7L	1.39	LAA	9	0	98	80	93	99	0
	B»HALEX GT 4.38L	1.97	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.10	LAA	9	0	99	55	77	99	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C NORTHSTAR	0.074	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
6A	HARNESS (7EC)	1.09	LAA	9	0	99	20	47	99	0
	B»CAPRENO 3.45 S	0.081	LAA	12						
	C»TOUCHDN TOTAL	0.78	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
7A	LUMAX	1.48	LAA	9	0	98	77	96	99	0
	B»TOUCHDN TOTAL	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
8A	LUMAX	1.48	LAA	9	0	99	77	96	99	0
	B»HALEX GT 4.38L	1.97	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
9A»	CORVUS 2.6SC	0.061	LAA	9	0	94	80	90	99	0
	B»CAPRENO 3.45 S	0.081	LAA	12						
	C»RNDUP POWERMAX	0.77	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
10A	BICEP II MAG	1.44	LAA	9	0	99	63	47	99	0
	B IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
11A	BICEP II MAG	1.44	LAA	9	0	98	33	23	99	8
	B»CAPRENO 3.45 S	0.081	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
12A»	VERDICT 5.57L	0.57	LAA	9	0	97	70	87	96	0
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»STATUS 56DG	0.088	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A	DUAL II MAGNUM	0.72	LAA	9	0	97	7	7	72	0
	B IMPACT 2.8SC	0.022	LAA	13						
	C ATRAZINE DF	0.50	LAA	13						
	D»MSO	1.00	PMV	13						
	E 28% UAN	2.50	PMV	13						

TITLE: Weed Control Systems in RR/LL Corn. SW-1500

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	ZEAMD
NUM	COMPONENT	RATE	UNIT	PRE	PRE	PRE	PRE	PRE	10 DAT
			TM	06/07/10	06/07/10	06/07/10	06/07/10	06/07/10	06/17/10
15A	DUAL II MAGNUM	0.72	LAA 9	0	98	25	13	89	0
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
		LSD (0.05)		0.00	2.20	19.52	18.93	10.90	1.25
		STANDARD DEVIATION		0.00	1.07	9.53	9.24	5.32	0.609

TITLE: Weed Control Systems in RR/LL Corn. SW-1500
CREATED: 04/08/2010 **REVISED:** 10/21/2010 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 29.00 FT LONG
PLOT AREA: 290.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		SETFA	AMBTR	ABUTH	CHEAL	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT TM	10 DAT 06/17/10	10 DAT 06/17/10	10 DAT 06/17/10	10 DAT 06/17/10	30 DAT 07/07/10	30 DAT 07/07/10
1A	DUAL II MAGNUM	0.96	LAA 9	98	93	99	99	0	99
	B»HALEX GT 4.38L	1.97	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»ACTIVATOR 90	0.25	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
2A	BICEP II MAG	1.79	LAA 9	99	96	99	99	0	99
	B»HALEX GT 4.38L	1.97	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
3A»	GUARDS MAX 5L	1.56	LAA 9	99	97	98	99	0	99
	B»RNDUP POWERMAX	0.77	LAA 12						
	C»STATUS 56DG	0.088	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
4A»	LEXAR 3.7L	1.39	LAA 9	99	98	99	99	0	99
	B»HALEX GT 4.38L	1.97	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
5A	HARNESS XTRA	2.10	LAA 9	99	97	99	99	0	99
	B»RNDUP POWERMAX	0.77	LAA 12						
	C NORTHSTAR	0.074	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
6A	HARNESS (7EC)	1.09	LAA 9	99	95	99	99	0	99
	B»CAPRENO 3.45 S	0.081	LAA 12						
	C»TOUCHDN TOTAL	0.78	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
7A	LUMAX	1.48	LAA 9	99	98	99	99	0	99
	B»TOUCHDN TOTAL	0.78	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A	LUMAX	1.48	LAA 9	99	98	99	99	0	99
	B»HALEX GT 4.38L	1.97	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
9A»	CORVUS 2.6SC	0.061	LAA 9	99	98	99	99	0	99
	B»CAPRENO 3.45 S	0.081	LAA 12						
	C»RNDUP POWERMAX	0.77	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
10A	BICEP II MAG	1.44	LAA 9	99	98	99	99	0	98
	B IMPACT 2.8SC	0.016	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»MSO	1.00	PMV 12						
	E 28% UAN	2.50	PMV 12						
11A	BICEP II MAG	1.44	LAA 9	99	96	98	99	0	99
	B»CAPRENO 3.45 S	0.081	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»COC	1.00	PMV 12						
	E 28% UAN	2.50	PMV 12						
12A»	VERDICT 5.57L	0.57	LAA 9	99	98	98	99	0	99
	B»RNDUP POWERMAX	0.77	LAA 13						
	C»STATUS 56DG	0.088	LAA 13						
	D»LIQUID AMS	2.50	PMV 13						
13A	CHECK	0.00	NA 0	0	0	0	0	0	0
14A	DUAL II MAGNUM	0.72	LAA 9	99	91	98	99	0	99
	B IMPACT 2.8SC	0.022	LAA 13						
	C ATRAZINE DF	0.50	LAA 13						
	D»MSO	1.00	PMV 13						
	E 28% UAN	2.50	PMV 13						

TITLE: Weed Control Systems in RR/LL Corn. SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMBTR	ABUTH	CHEAL	ZEAMD	SETFA
		RATE	UNIT		10 DAT 06/17/10	10 DAT 06/17/10	10 DAT 06/17/10	10 DAT 06/17/10	30 DAT 07/07/10	30 DAT 07/07/10
15A	DUAL II MAGNUM	0.72	LAA	9	99	96	98	99	0	98
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			0.565	3.81	1.32	0.34	0.00	0.754
		STANDARD DEVIATION			0.276	1.86	0.645	0.166	0.00	0.368

TITLE: Weed Control Systems in RR/LL Corn. SW-1500

CREATED: 04/08/2010 REVISED: 10/21/2010

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: DeKalb

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 29.00 FT LONG

PLOT AREA: 290.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		AMBTR	ABUTH	CHEAL	YIELD
NUM	COMPONENT	RATE	UNIT TM	30 DAT 07/07/10	30 DAT 07/07/10	30 DAT 07/07/10	BU/A 10/11/10
1A	DUAL II MAGNUM	0.96	LAA 9	98	99	99	178.0
	B»HALEX GT 4.38L	1.97	LAA 12				
	C ATRAZINE DF	0.50	LAA 12				
	D»ACTIVATOR 90	0.25	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
2A	BICEP II MAG	1.79	LAA 9	95	99	99	169.8
	B»HALEX GT 4.38L	1.97	LAA 12				
	C»ACTIVATOR 90	0.25	PMV 12				
	D»LIQUID AMS	2.50	PMV 12				
3A»	GUARDS MAX 5L	1.56	LAA 9	93	96	99	192.1
	B»RNDUP POWERMAX	0.77	LAA 12				
	C»STATUS 56DG	0.088	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
4A»	LEXAR 3.7L	1.39	LAA 9	99	99	99	176.4
	B»HALEX GT 4.38L	1.97	LAA 12				
	C»ACTIVATOR 90	0.25	PMV 12				
	D»LIQUID AMS	2.50	PMV 12				
5A	HARNESS XTRA	2.10	LAA 9	98	98	99	176.1
	B»RNDUP POWERMAX	0.77	LAA 12				
	C NORTHSTAR	0.074	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
6A	HARNESS (7EC)	1.09	LAA 9	98	98	99	189.4
	B»CAPRENO 3.45 S	0.081	LAA 12				
	C»TOUCHDN TOTAL	0.78	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
7A	LUMAX	1.48	LAA 9	95	99	99	189.3
	B»TOUCHDN TOTAL	0.78	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
8A	LUMAX	1.48	LAA 9	98	99	99	191.0
	B»HALEX GT 4.38L	1.97	LAA 12				
	C»ACTIVATOR 90	0.25	PMV 12				
	D»LIQUID AMS	2.50	PMV 12				
9A»	CORVUS 2.6SC	0.061	LAA 9	98	99	99	182.6
	B»CAPRENO 3.45 S	0.081	LAA 12				
	C»RNDUP POWERMAX	0.77	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
10A	BICEP II MAG	1.44	LAA 9	97	98	99	183.5
	B IMPACT 2.8SC	0.016	LAA 12				
	C ATRAZINE DF	0.50	LAA 12				
	D»MSO	1.00	PMV 12				
	E 28% UAN	2.50	PMV 12				
11A	BICEP II MAG	1.44	LAA 9	98	99	99	179.7
	B»CAPRENO 3.45 S	0.081	LAA 12				
	C ATRAZINE DF	0.50	LAA 12				
	D»COC	1.00	PMV 12				
	E 28% UAN	2.50	PMV 12				
12A»	VERDICT 5.57L	0.57	LAA 9	96	98	99	183.6
	B»RNDUP POWERMAX	0.77	LAA 13				
	C»STATUS 56DG	0.088	LAA 13				
	D»LIQUID AMS	2.50	PMV 13				
13A	CHECK	0.00	NA 0	0	0	0	39.2
14A	DUAL II MAGNUM	0.72	LAA 9	98	98	99	184.8
	B IMPACT 2.8SC	0.022	LAA 13				
	C ATRAZINE DF	0.50	LAA 13				
	D»MSO	1.00	PMV 13				
	E 28% UAN	2.50	PMV 13				

TITLE: Weed Control Systems in RR/LL Corn. SW-1500

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	AMBTR 30 DAT 07/07/10	ABUTH 30 DAT 07/07/10	CHEAL 30 DAT 07/07/10	YIELD BU/A 10/11/10
15A DUAL II MAGNUM	0.72	LAA	9	91	98	97	185.3
B»RNDUP POWERMAX	0.77	LAA	13				
C»LIQUID AMS	2.50	PMV	13				
LSD (0.05)				5.25	1.73	0.748	20.17
STANDARD DEVIATION				2.56	0.847	0.365	9.85

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/05/2010(1)
 12 = ----- / POST 06/07/2010(2)
 13 = ----- / LPOST 06/10/2010(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	PRE	06/07/2010	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	PRE	06/07/2010	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	PRE	06/07/2010	03	P	AMBTR	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	PRE	06/07/2010	04	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	PRE	06/07/2010	05	P	CHEAL	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	10 DAT	06/17/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	10 DAT	06/17/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	10 DAT	06/17/2010	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	10 DAT	06/17/2010	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	10 DAT	06/17/2010	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	30 DAT	07/07/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	30 DAT	07/07/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBTR	30 DAT	07/07/2010	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	30 DAT	07/07/2010	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	30 DAT	07/07/2010	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	YIELD	BU/A	10/11/2010	01	P	ZEAMD		RAW	---	YLD	---	---	0.00 ---	NO	0001	0	Y

* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = PIONEER 0916XR

* STAGE CODE

14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED