

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 6.0
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 10 X 29 FEET
 PLOT AREA: 290 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/24/11	06/17/11	06/25/11	07/08/11	AME
AIR TEMPERATURE	69	81	73	78	F
% REL.HUMIDITY	59	56	61	40	
WIND DIRECTION	NORTHEAST	SOUTHWEST	SOUTHEAST	NORTH	
WIND SPEED	11.0	4.0	2.0	5.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLEAR	CLEAR	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SCREEN SIZE					
SCREEN SZ DESC	NA	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/13	---/15	---/18	
ML3261N		4.00/6.00	6.00/7.00	13.0/16.0	IN
05/22/2011					
*** PEST ***					
VELVETLEAF		---/14	---/14	---/19	
		1.00/4.00	1.00/4.00	2.00/4.00	IN
RAGWEED, GIANT		---/16	---/19	---/18	
		3.00/5.00	3.00/9.00	4.00/4.00	IN
LAMBSQUARTERS, C		---/18	---/19	---/19	
		1.00/3.00	1.00/3.00	1.00/6.00	IN
FOXTAIL, GIANT		---/15	---/15	---/16	
		2.00/5.00	2.00/6.00	3.00/5.00	IN

* TIMING CODES

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

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in Liberty-Link soybean. SW-1500W
CREATED: 04/28/2011 **REVISED:** 11/14/2011 **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	GLXMA	SETFA	AMBTR	ABUTH	CHEAL	GLXMA
		RATE	UNIT		PRE 06/25/11	PRE 06/25/11	PRE 06/25/11	PRE 06/25/11	PRE 06/25/11	14 DAT 06/30/11
1A»	PREFIX 5.32SL	1.66	LAA	9	0	88	88	47	82	5
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	AUTHOR. FIRST	0.263	LAA	9	0	81	98	98	99	4
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	IGNITE 2.33SL	0.53	LAA	11	C	C	C	C	C	7
B»	LIQUID AMS	2.50	PMV	11						
C»	IGNITE 2.33SL	0.53	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
4A»	VALOR XLT 40WG	0.075	LAA	0	0	77	96	96	99	4
B	CLASSIC 25WG	0.019	LAA	9						
C	VALOR 51WG	0.056	LAA	9						
D»	IGNITE 2.33SL	0.53	LAA	12						
E»	LIQUID AMS	2.50	PMV	12						
5A»	AUTHORITY XL 7	0.28	LAA	9	0	82	89	99	99	5
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A	PROWL H2O 3.8	1.43	LAA	9	0	50	27	40	58	6
B»	IGNITE 2.33SL	0.66	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	AUTHOR. ASSIST	0.25	LAA	9	0	76	80	97	99	5
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
8A»	SONIC 70DF	0.197	LAA	9	0	80	95	98	99	4
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A	BOUNDARY 6.5EC	1.22	LAA	9	0	95	43	67	99	4
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
10A»	ENVIVE 41.3SG	0.09	LAA	0	0	76	99	96	99	4
B	CLASSIC 25WG	0.02	LAA	9						
C»	HARMONY GT 50W	0.004	LAA	9						
D	VALOR 51WG	0.064	LAA	9						
E»	IGNITE 2.33SL	0.53	LAA	12						
F»	LIQUID AMS	2.50	PMV	12						
11A»	IGNITE 2.33SL	0.53	LAA	11	C	C	C	C	C	28
B»	PREFIX 5.32SL	1.66	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
12A»	IGNITE 2.33SL	0.53	LAA	11	C	C	C	C	C	15
B	DUAL MAGNUM	1.27	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	IGNITE 2.33SL	0.53	LAA	11	C	C	C	C	C	11
B»	KIH-485 85WG	0.159	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
15A»	IGNITE 2.33SL	0.53	LAA	11	C	C	C	C	C	10
B»	WARRANT 3L	1.125	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					0.00	10.64	15.00	11.06	10.53	2.26
STANDARD DEVIATION					0.00	5.20	7.30	5.40	5.14	1.10

TITLE: Weed Control Systems in Liberty-Link soybean. SW-1500W
CREATED: 04/28/2011 **REVISED:** 11/14/2011 **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			SETFA	AMBTR	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT	TM	14 DAT 06/30/11	14 DAT 06/30/11	14 DAT 06/30/11	14 DAT 06/30/11	35 DAT 07/21/11	35 DAT 07/21/11
1A»	PREFIX 5.32SL	1.66	LAA	9	98	99	82	98	0	97
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	AUTHOR. FIRST	0.263	LAA	9	98	99	98	99	0	95
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	IGNITE 2.33SL	0.53	LAA	11	94	99	92	91	0	92
B»	LIQUID AMS	2.50	PMV	11						
C»	IGNITE 2.33SL	0.53	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
4A»	VALOR XLT 40WG	0.075	LAA	0	96	99	94	99	0	90
B	CLASSIC 25WG	0.019	LAA	9						
C	VALOR 51WG	0.056	LAA	9						
D»	IGNITE 2.33SL	0.53	LAA	12						
E»	LIQUID AMS	2.50	PMV	12						
5A»	AUTHORITY XL 7	0.28	LAA	9	98	97	99	99	0	93
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A	PROWL H2O 3.8	1.43	LAA	9	95	98	83	92	0	94
B»	IGNITE 2.33SL	0.66	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	AUTHOR. ASSIST	0.25	LAA	9	97	99	99	99	0	93
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
8A»	SONIC 70DF	0.197	LAA	9	98	98	99	99	0	96
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A	BOUNDARY 6.5EC	1.22	LAA	9	98	96	92	99	0	96
B»	IGNITE 2.33SL	0.53	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
10A»	ENVIVE 41.3SG	0.09	LAA	0	97	99	98	99	0	95
B	CLASSIC 25WG	0.02	LAA	9						
C»	HARMONY GT 50W	0.004	LAA	9						
D	VALOR 51WG	0.064	LAA	9						
E»	IGNITE 2.33SL	0.53	LAA	12						
F»	LIQUID AMS	2.50	PMV	12						
11A»	IGNITE 2.33SL	0.53	LAA	11	97	99	94	94	0	87
B»	PREFIX 5.32SL	1.66	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
12A»	IGNITE 2.33SL	0.53	LAA	11	98	99	88	87	0	86
B	DUAL MAGNUM	1.27	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	IGNITE 2.33SL	0.53	LAA	11	98	99	98	87	0	94
B»	KIH-485 85WG	0.159	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
15A»	IGNITE 2.33SL	0.53	LAA	11	97	99	90	89	0	92
B»	WARRANT 3L	1.125	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					2.70	2.62	7.14	7.45	0.00	6.47
STANDARD DEVIATION					1.32	1.28	3.49	3.64	0.00	3.16

TITLE: Weed Control Systems in Liberty-Link soybean. SW-1500W
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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			AMBTR 35 DAT 07/21/11	ABUTH 35 DAT 07/21/11	CHEAL 35 DAT 07/21/11	YIELD BU/A 10/22/11
		RATE	UNIT	TM				
1A»	PREFIX 5.32SL	1.66	LAA	9	99	67	96	68.5
B»	IGNITE 2.33SL	0.53	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
2A»	AUTHOR. FIRST	0.263	LAA	9	99	97	99	67.1
B»	IGNITE 2.33SL	0.53	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
3A»	IGNITE 2.33SL	0.53	LAA	11	99	97	89	62.9
B»	LIQUID AMS	2.50	PMV	11				
C»	IGNITE 2.33SL	0.53	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
4A»	VALOR XLT 40WG	0.075	LAA	0	99	94	99	62.7
B	CLASSIC 25WG	0.019	LAA	9				
C	VALOR 51WG	0.056	LAA	9				
D»	IGNITE 2.33SL	0.53	LAA	12				
E»	LIQUID AMS	2.50	PMV	12				
5A»	AUTHORITY XL 7	0.28	LAA	9	99	98	99	64.5
B»	IGNITE 2.33SL	0.53	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
6A	PROWL H2O 3.8	1.43	LAA	9	99	78	89	66.7
B»	IGNITE 2.33SL	0.66	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
7A»	AUTHOR. ASSIST	0.25	LAA	9	99	98	99	61.7
B»	IGNITE 2.33SL	0.53	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
8A»	SONIC 70DF	0.197	LAA	9	99	99	99	66.7
B»	IGNITE 2.33SL	0.53	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
9A	BOUNDARY 6.5EC	1.22	LAA	9	94	86	98	63.4
B»	IGNITE 2.33SL	0.53	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
10A»	ENVIVE 41.3SG	0.09	LAA	0	99	97	99	64.0
B	CLASSIC 25WG	0.02	LAA	9				
C»	HARMONY GT 50W	0.004	LAA	9				
D	VALOR 51WG	0.064	LAA	9				
E»	IGNITE 2.33SL	0.53	LAA	12				
F»	LIQUID AMS	2.50	PMV	12				
11A»	IGNITE 2.33SL	0.53	LAA	11	99	78	75	58.6
B»	PREFIX 5.32SL	1.66	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
12A»	IGNITE 2.33SL	0.53	LAA	11	99	70	71	61.7
B	DUAL MAGNUM	1.27	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
13A	CHECK	0.00	NA	0	0	0	0	27.5
14A»	IGNITE 2.33SL	0.53	LAA	11	99	90	73	C
B»	KIH-485 85WG	0.159	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
15A»	IGNITE 2.33SL	0.53	LAA	11	99	72	73	60.5
B»	WARRANT 3L	1.125	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
LSD (0.05)					3.49	14.25	12.17	9.26
STANDARD DEVIATION					1.70	7.00	5.94	4.52

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/24/2011(1)
 11 = ----- / EPOST 06/17/2011(2)
 12 = ----- / POST 06/25/2011(3)
 13 = ----- / LPOST 07/08/2011(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	GLXMA	PRE	06/25/2011	01	P	GLXMA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	PRE	06/25/2011	02	P	SETFA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	PRE	06/25/2011	03	P	AMBTR	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	PRE	06/25/2011	04	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	PRE	06/25/2011	05	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	14 DAT	06/30/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	14 DAT	06/30/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	14 DAT	06/30/2011	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	14 DAT	06/30/2011	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	14 DAT	06/30/2011	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	35 DAT	07/21/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	35 DAT	07/21/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBTR	35 DAT	07/21/2011	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	35 DAT	07/21/2011	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	35 DAT	07/21/2011	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/22/2011	01	P	GLXMA		RAW	---	YLD	---	---	1.00 ---	NO	0001	0	Y

* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

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

01 = ML3261N

* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 15 = 5 LEAVES UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED