

## 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	UNIT
TIMINGS	09	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/15/12	06/10/12	AME
AIR TEMPERATURE	85	74	F
% REL.HUMIDITY	24	58	
WIND DIRECTION	WEST	SOUTH	
WIND SPEED	15.0	6.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	---	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
	DN/SG/MMZ		
*** CROP ***			
SOYBEAN		---/14	
NK S28-K1		4.00/6.00	IN
05/14/2012			
*** PEST ***			
VELVETLEAF		---/15	
		1.00/3.00	IN
RAGWEED, GIANT		---/18	
		2.00/6.00	IN
LAMBSQUARTERS, C		---/18	
		1.00/2.00	IN
FOXTAIL, GIANT		---/16	
		2.00/6.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 11 = ----- / EPOST

## \* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Anthem and Preemergence Residual Comparison in Soybean. SW-1500W  
**CREATED:** 04/22/2012 **REVISED:** 10/30/2012 **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			GLXMA	GLXMA	SETFA	AMBTR	ABUTH	GLXMA
		RATE	UNIT	TM	14 DAE 06/05/12	PRE 06/10/12	PRE 06/10/12	PRE 06/10/12	PRE 06/10/12	CON % 06/19/12
1A	AUTHOR. FIRST	0.28	LAA	9	0	0	43	30	27	0
	B SELECT (2EC)	0.125	LAA	11						
	C»COC	1.00	PMV	11						
2A	AUTHORITY XL 7	0.28	LAA	9	0	0	73	33	50	0
	B SELECT (2EC)	0.125	LAA	11						
	C»COC	1.00	PMV	11						
3A	AUTHOR. ASSIST	0.375	LAA	9	0	0	70	40	33	0
	B SELECT (2EC)	0.125	LAA	11						
	C»COC	1.00	PMV	11						
4A	AUTHOR. FIRST	0.175	LAA	9	0	0	73	43	50	0
	B»SHARPEN 2.85L	0.022	LAA	9						
	C SELECT (2EC)	0.125	LAA	11						
	D»COC	1.00	PMV	11						
5A	AUTHORITY XL 7	0.175	LAA	9	0	0	70	50	33	0
	B»SHARPEN 2.85L	0.022	LAA	9						
	C SELECT (2EC)	0.125	LAA	11						
	D»COC	1.00	PMV	11						
6A	VALOR XLT 40WG	0.125	LAA	0	0	0	73	20	43	0
	B CLASSIC 25WG	0.032	LAA	9						
	C VALOR 51WG	0.093	LAA	9						
	D SELECT (2EC)	0.125	LAA	11						
	E»COC	1.00	PMV	11						
7A	FIERCE 76WG	0.14	LAA	9	0	0	85	40	50	0
	B SELECT (2EC)	0.125	LAA	11						
	C»COC	1.00	PMV	11						
8A	PREFIX 5.32SL	1.33	LAA	9	0	0	87	43	43	0
	B SELECT (2EC)	0.125	LAA	11						
	C»COC	1.00	PMV	11						
9A	OPTILL 68WG	0.085	LAA	9	0	0	73	43	27	0
	B SELECT (2EC)	0.125	LAA	11						
	C»COC	1.00	PMV	11						
10A	AUTHORITY XL 7	0.175	LAA	9	0	0	60	40	30	13
	B»ANTHEM 2.15SE	0.10	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	AUTHORITY XL 7	0.175	LAA	9	0	0	75	33	47	24
	B»PREFIX 5.32SL	1.33	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
12A	AUTHOR. ASSIST	0.25	LAA	9	0	0	77	43	37	17
	B»F9324 3L	0.17	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				0.00	0.00	25.11	16.74	19.72	1.25
	STANDARD DEVIATION				0.00	0.00	12.11	8.07	9.51	0.603

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**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
		RATE	UNIT	TM	CON % 06/29/12	CON % 06/29/12	CON % 06/29/12
1A	AUTHOR. FIRST	0.28	LAA	9	92	7	23
	B SELECT (2EC)	0.125	LAA	11			
	C»COC	1.00	PMV	11			
2A	AUTHORITY XL 7	0.28	LAA	9	96	27	37
	B SELECT (2EC)	0.125	LAA	11			
	C»COC	1.00	PMV	11			
3A	AUTHOR. ASSIST	0.375	LAA	9	94	30	43
	B SELECT (2EC)	0.125	LAA	11			
	C»COC	1.00	PMV	11			
4A	AUTHOR. FIRST	0.175	LAA	9	94	30	43
	B»SHARPEN 2.85L	0.022	LAA	9			
	C SELECT (2EC)	0.125	LAA	11			
	D»COC	1.00	PMV	11			
5A	AUTHORITY XL 7	0.175	LAA	9	94	40	30
	B»SHARPEN 2.85L	0.022	LAA	9			
	C SELECT (2EC)	0.125	LAA	11			
	D»COC	1.00	PMV	11			
6A	VALOR XLT 40WG	0.125	LAA	0	96	10	30
	B CLASSIC 25WG	0.032	LAA	9			
	C VALOR 51WG	0.093	LAA	9			
	D SELECT (2EC)	0.125	LAA	11			
	E»COC	1.00	PMV	11			
7A	FIERCE 76WG	0.14	LAA	9	99	30	30
	B SELECT (2EC)	0.125	LAA	11			
	C»COC	1.00	PMV	11			
8A	PREFIX 5.32SL	1.33	LAA	9	98	33	13
	B SELECT (2EC)	0.125	LAA	11			
	C»COC	1.00	PMV	11			
9A	OPTILL 68WG	0.085	LAA	9	97	33	23
	B SELECT (2EC)	0.125	LAA	11			
	C»COC	1.00	PMV	11			
10A	AUTHORITY XL 7	0.175	LAA	9	92	85	91
	B»ANTHEM 2.15SE	0.10	LAA	11			
	C»RNDUP POWERMAX	0.77	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
11A	AUTHORITY XL 7	0.175	LAA	9	97	92	93
	B»PREFIX 5.32SL	1.33	LAA	11			
	C»RNDUP POWERMAX	0.77	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
12A	AUTHOR. ASSIST	0.25	LAA	9	96	87	95
	B»F9324 3L	0.17	LAA	11			
	C»RNDUP POWERMAX	0.77	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
		LSD (0.05)			5.53	15.57	20.69
		STANDARD DEVIATION			2.67	7.51	10.00

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/15/2012(1)  
 11 = ----- / EPOST 06/10/2012(2)

TITLE: Anthem and Premergence Residual Comparison in Soybean. SW-1500W

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA	14 DAE	06/05/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	GLXMA	PRE	06/10/2012	01	P	GLXMA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	PRE	06/10/2012	02	P	SETFA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBTR	PRE	06/10/2012	03	P	AMBTR	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	PRE	06/10/2012	04	P	ABUTH	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/19/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/29/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	CON %	06/29/2012	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/29/2012	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK S28-K1

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14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

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18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED