

SOIL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/06/13	07/03/13	AME
AIR TEMPERATURE	70	78	F
% REL.HUMIDITY	50	68	
WIND DIRECTION	NORTHEAST	SOUTHWEST	
WIND SPEED	3.0	2.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	
DEW	NO	YES	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	15.00	15.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
FOLIAGE HEIGHT			FT
FOLIAGE WIDTH			FT
ROW WIDTH			FT
SPRAY VOL LWA/TRV			
S VOL LWA/TRV UNIT			
LEAF WALL AREA			M2H
TREE ROW VOLUME			M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *			
P, SOYBEAN		---/16	
N-74R		10.0/10.0	IN
(PLANTED) 06/05/2013		28 DAP	
PEST *			
P, VELVETLEAF		---/14	
		2.00/4.00	IN
P, WATERHEMP, COMMO		---/19	
		2.00/6.00	IN
P, LAMBSQUARTERS, C		---/19	
		1.00/4.00	IN
P, MORNINGGLORY, TA		---/16	
		2.00/6.00	IN
P, FOXTAIL, GIANT		---/17	
		2.00/10.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE

*** TIMING CODES**

12 = ----- / POST

*** STAGE CODE**

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Helm Sulfentrazone and Chlorimuron Comparisons in Gly. Tol. Soybean. AS-100
CREATED: 05/03/2013 **REVISED:** 09/06/2013 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/30/13	SETFA CON % 06/30/13	CHEAL CON % 06/30/13	AMATA CON % 06/30/13	ABUTH CON % 06/30/13	PHBPU CON % 06/30/13
1A»SULFEN+CHLORIM	0.088	LAA	9	0	65	83	83	62	70
2A»SULFEN+CHLORIM	0.131	LAA	9	0	70	83	92	70	73
3A»SULFEN+CHLORIM	0.175	LAA	9	0	77	99	98	84	88
4A»AUTHORITY XL 7	0.088	LAA	9	0	60	80	77	63	60
5A»AUTHORITY XL 7	0.131	LAA	9	0	73	89	94	77	73
6A»AUTHORITY XL 7	0.175	LAA	9	0	73	96	97	84	83
7A»SULFEN+CHLORIM	0.131	LAA	9	0	60	83	86	65	72
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
8A»AUTHORITY XL 7	0.131	LAA	9	0	60	92	94	73	78
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
9A CHECK	0.00	NA	0	0	0	0	0	0	0
10A»VALOR XLT 40WG	0.075	LAA	0	0	67	98	98	75	72
B CLASSIC 25WG	0.019	LAA	9						
C VALOR 51WG	0.056	LAA	9						
D»HELOS. PLUS AD	0.80	LAA	12						
E»LIQUID AMS	2.50	PMV	12						
11A»FIERCE 76WG	0.14	LAA	9	0	75	98	98	80	70
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
12A»AUTHOR. ASSIST	0.22	LAA	9	0	80	98	94	86	91
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
LSD (0.05)				0.00	8.06	6.07	5.65	6.92	9.00
STANDARD DEVIATION				0.00	3.89	2.93	2.73	3.33	4.36

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REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/13/13	SETFA CON % 07/13/13	CHEAL CON % 07/13/13	AMATA CON % 07/13/13	ABUTH CON % 07/13/13	PHBPU CON % 07/13/13
1A»SULFEN+CHLORIM	0.088	LAA	9	0	53	67	77	50	57
2A»SULFEN+CHLORIM	0.131	LAA	9	0	58	81	88	63	63
3A»SULFEN+CHLORIM	0.175	LAA	9	0	60	96	96	88	82
4A»AUTHORITY XL 7	0.088	LAA	9	0	43	65	68	50	50
5A»AUTHORITY XL 7	0.131	LAA	9	0	62	83	88	75	62
6A»AUTHORITY XL 7	0.175	LAA	9	0	62	89	94	83	78
7A»SULFEN+CHLORIM	0.131	LAA	9	0	99	99	99	99	98
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
8A»AUTHORITY XL 7	0.131	LAA	9	0	99	99	99	99	98
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
9A CHECK	0.00	NA	0	0	0	0	0	0	0
10A»VALOR XLT 40WG	0.075	LAA	0	0	99	99	99	99	97
B CLASSIC 25WG	0.019	LAA	9						
C VALOR 51WG	0.056	LAA	9						
D»HELOS. PLUS AD	0.80	LAA	12						
E»LIQUID AMS	2.50	PMV	12						
11A»FIERCE 76WG	0.14	LAA	9	0	99	99	99	99	97
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
12A»AUTHOR. ASSIST	0.22	LAA	9	0	99	99	99	99	99
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
LSD (0.05)				0.00	8.20	9.12	5.81	9.40	7.28
STANDARD DEVIATION				0.00	4.00	4.40	2.80	4.53	3.51

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 08/02/13	SETFA CON % 08/02/13	CHEAL CON % 08/02/13	AMATA CON % 08/02/13	ABUTH CON % 08/02/13	PHBPU CON % 08/02/13
1A»SULFEN+CHLORIM	0.088	LAA	9	0	53	53	72	60	55
2A»SULFEN+CHLORIM	0.131	LAA	9	0	57	68	83	72	62
3A»SULFEN+CHLORIM	0.175	LAA	9	0	62	93	95	78	72
4A»AUTHORITY XL 7	0.088	LAA	9	0	50	60	63	63	57
5A»AUTHORITY XL 7	0.131	LAA	9	0	63	77	87	70	65
6A»AUTHORITY XL 7	0.175	LAA	9	0	65	93	98	80	73
7A»SULFEN+CHLORIM	0.131	LAA	9	0	99	99	99	99	97
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
8A»AUTHORITY XL 7	0.131	LAA	9	0	99	99	99	99	97
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
9A CHECK	0.00	NA	0	0	0	0	0	0	0
10A»VALOR XLT 40WG	0.075	LAA	0	0	99	99	99	99	93
B CLASSIC 25WG	0.019	LAA	9						
C VALOR 51WG	0.056	LAA	9						
D»HELOS. PLUS AD	0.80	LAA	12						
E»LIQUID AMS	2.50	PMV	12						
11A»FIERCE 76WG	0.14	LAA	9	0	99	99	99	99	94
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
12A»AUTHOR. ASSIST	0.22	LAA	9	0	99	99	99	99	98
B»HELOS. PLUS AD	0.80	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
LSD (0.05)				0.00	5.00	8.46	5.75	6.41	5.66
STANDARD DEVIATION				0.00	2.39	4.08	2.77	3.09	2.73

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 06/06/2013(1)

12 = ----- / POST 07/03/2013(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/30/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/30/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/30/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/30/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/30/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/30/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/13/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/13/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/13/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/13/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/13/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/13/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	08/02/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	08/02/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	08/02/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	08/02/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
017	ABUTH	CON %	08/02/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	08/02/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N-74R