

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.4  
 PREV.CROP: ZEAMD - dent corn  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET  
 PLOT AREA: 225 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/08/16	06/27/16	AME
TIME - BEGIN	10:30	11:05	24H
TIME - END	11:00	11:15	24H
AIR TEMPERATURE	74	88	F
% REL.HUMIDITY	34	45	
WIND DIRECTION	NORTHWEST	WEST	
WIND SPEED	3.0	5.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	76/4.00	85/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE VOLUME	0.00	0.00	GPM
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
BOOM HEIGHT	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
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	TO BE SEL	TO BE SEL	
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;soya bea ASGROW AG3334 RR (PLANTED) 06/07/2016		---/14 4.00/6.00 20 DAP	IN
PEST *			
P, careless weed;Pa		---/14 0.50/3.00	IN
P, common morning g		---/13 1.00/3.00	IN
P, giant foxtail;no		---/13 1.00/3.00	IN

**\* TIMING CODES**

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

**\* STAGE CODE**

13 = 3 LEAVES UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Helm Chlorimuron Pre and Post Comparison for Weed Control in RR Soybean. R-3N  
**CREATED:** 04/26/2016 **REVISED:** 08/31/2016 **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 NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMAPA	PHBPU	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/22/16	CON % 06/22/16	CON % 06/22/16	CON % 06/22/16	CON % 06/29/16	CON % 06/29/16
1A»	SHERIDAN 25WG	0.0156	LAA	9	0	0	85	75	0	0
B»	COC	1.00	PMV	9						
2A»	SHERIDAN 25WG	0.0312	LAA	9	0	0	68	68	0	0
B»	COC	1.00	PMV	9						
3A»	SHERIDAN 25WG	0.0468	LAA	9	0	0	78	70	0	0
B»	COC	1.00	PMV	9						
4A	CLASSIC 25WG	0.0156	LAA	9	0	0	57	60	0	0
B»	COC	1.00	PMV	9						
5A	CLASSIC 25WG	0.0312	LAA	9	0	0	65	72	0	0
B»	COC	1.00	PMV	9						
6A	CLASSIC 25WG	0.0468	LAA	9	0	0	86	78	0	0
B»	COC	1.00	PMV	9						
7A»	SHERIDAN 25WG	0.0078	LAA	11	C	C	C	C	C	C
B»	COC	1.00	PMV	11						
8A»	SHERIDAN 25WG	0.0105	LAA	11	C	C	C	C	C	C
B»	COC	1.00	PMV	11						
9A»	SHERIDAN 25WG	0.01172	LAA	11	C	C	C	C	C	C
B»	COC	1.00	PMV	11						
10A	CLASSIC 25WG	0.0078	LAA	11	C	C	C	C	C	C
B»	COC	1.00	PMV	11						
11A	CLASSIC 25WG	0.0105	LAA	11	C	C	C	C	C	C
B»	COC	1.00	PMV	11						
12A	CLASSIC 25WG	0.01172	LAA	11	C	C	C	C	C	C
B»	COC	1.00	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	ZONE 70WG	0.219	LAA	9	0	99	98	95	0	99
B»	HAI METOLACHLO	1.50	LAA	9						
					LSD (0.05)		19.2	16.3	0.0	0.0
					STANDARD DEVIATION		9.4	7.9	0.0	0.0

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**PLOT AREA:** 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMAPA	PHBPU	GLXMA	SETFA	AMAPA	PHBPU
		RATE	UNIT	TM	CON % 06/29/16	CON % 06/29/16	CON % 07/05/16	CON % 07/05/16	CON % 07/05/16	CON % 07/05/16
1A»	SHERIDAN 25WG	0.0156	LAA	9	65	57	C	C	C	C
B»	COC	1.00	PMV	9						
2A»	SHERIDAN 25WG	0.0312	LAA	9	47	47	C	C	C	C
B»	COC	1.00	PMV	9						
3A»	SHERIDAN 25WG	0.0468	LAA	9	62	53	C	C	C	C
B»	COC	1.00	PMV	9						
4A	CLASSIC 25WG	0.0156	LAA	9	45	40	C	C	C	C
B»	COC	1.00	PMV	9						
5A	CLASSIC 25WG	0.0312	LAA	9	57	53	C	C	C	C
B»	COC	1.00	PMV	9						
6A	CLASSIC 25WG	0.0468	LAA	9	73	60	C	C	C	C
B»	COC	1.00	PMV	9						
7A»	SHERIDAN 25WG	0.0078	LAA	11	C	C	0	0	84	94
B»	COC	1.00	PMV	11						
8A»	SHERIDAN 25WG	0.0105	LAA	11	C	C	0	0	86	95
B»	COC	1.00	PMV	11						
9A»	SHERIDAN 25WG	0.01172	LAA	11	C	C	0	0	85	94
B»	COC	1.00	PMV	11						
10A	CLASSIC 25WG	0.0078	LAA	11	C	C	0	0	82	93
B»	COC	1.00	PMV	11						
11A	CLASSIC 25WG	0.0105	LAA	11	C	C	0	0	87	95
B»	COC	1.00	PMV	11						
12A	CLASSIC 25WG	0.01172	LAA	11	C	C	0	0	87	95
B»	COC	1.00	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	ZONE 70WG	0.219	LAA	9	94	92	C	C	C	C
B»	HAI METOLACHLO	1.50	LAA	9						
					LSL (0.05)					
					STANDARD DEVIATION					

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMAPA	PHBPU	GLXMA	SETFA
		RATE	UNIT	TM	CON % 07/12/16	CON % 07/12/16	CON % 07/12/16	CON % 07/12/16	CON % 07/26/16	CON % 07/26/16
1A»	SHERIDAN 25WG	0.0156	LAA	9	0	0	40	37	0	0
B»	COC	1.00	PMV	9						
2A»	SHERIDAN 25WG	0.0312	LAA	9	0	0	27	23	0	0
B»	COC	1.00	PMV	9						
3A»	SHERIDAN 25WG	0.0468	LAA	9	0	0	47	37	0	0
B»	COC	1.00	PMV	9						
4A	CLASSIC 25WG	0.0156	LAA	9	0	0	23	23	0	0
B»	COC	1.00	PMV	9						
5A	CLASSIC 25WG	0.0312	LAA	9	0	0	42	30	0	0
B»	COC	1.00	PMV	9						
6A	CLASSIC 25WG	0.0468	LAA	9	0	0	70	37	0	0
B»	COC	1.00	PMV	9						
7A»	SHERIDAN 25WG	0.0078	LAA	11	0	0	80	96	0	0
B»	COC	1.00	PMV	11						
8A»	SHERIDAN 25WG	0.0105	LAA	11	0	0	85	95	0	0
B»	COC	1.00	PMV	11						
9A»	SHERIDAN 25WG	0.01172	LAA	11	0	0	83	93	0	0
B»	COC	1.00	PMV	11						
10A	CLASSIC 25WG	0.0078	LAA	11	0	0	78	93	0	0
B»	COC	1.00	PMV	11						
11A	CLASSIC 25WG	0.0105	LAA	11	0	0	84	93	0	0
B»	COC	1.00	PMV	11						
12A	CLASSIC 25WG	0.01172	LAA	11	0	0	87	93	0	0
B»	COC	1.00	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	ZONE 70WG	0.219	LAA	9	0	98	93	89	0	98
B»	HAI METOLACHLO	1.50	LAA	9						
					LSD (0.05)					
					STANDARD DEVIATION					

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REPS: 03

TRT	TREATMENT	DOSAGE			AMAPA	PHBPU	GLXMA	SETFA	AMAPA	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					07/26/16	07/26/16	08/08/16	08/08/16	08/08/16	08/08/16
1A»	SHERIDAN 25WG	0.0156	LAA	9	30	17	C	C	C	C
B»	COC	1.00	PMV	9						
2A»	SHERIDAN 25WG	0.0312	LAA	9	13	7	C	C	C	C
B»	COC	1.00	PMV	9						
3A»	SHERIDAN 25WG	0.0468	LAA	9	37	13	C	C	C	C
B»	COC	1.00	PMV	9						
4A	CLASSIC 25WG	0.0156	LAA	9	17	3	C	C	C	C
B»	COC	1.00	PMV	9						
5A	CLASSIC 25WG	0.0312	LAA	9	37	13	C	C	C	C
B»	COC	1.00	PMV	9						
6A	CLASSIC 25WG	0.0468	LAA	9	52	17	C	C	C	C
B»	COC	1.00	PMV	9						
7A»	SHERIDAN 25WG	0.0078	LAA	11	57	92	0	0	37	89
B»	COC	1.00	PMV	11						
8A»	SHERIDAN 25WG	0.0105	LAA	11	58	90	0	0	33	88
B»	COC	1.00	PMV	11						
9A»	SHERIDAN 25WG	0.01172	LAA	11	62	88	0	0	43	86
B»	COC	1.00	PMV	11						
10A	CLASSIC 25WG	0.0078	LAA	11	60	87	0	0	33	82
B»	COC	1.00	PMV	11						
11A	CLASSIC 25WG	0.0105	LAA	11	62	85	0	0	40	84
B»	COC	1.00	PMV	11						
12A	CLASSIC 25WG	0.01172	LAA	11	67	89	0	0	43	87
B»	COC	1.00	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	ZONE 70WG	0.219	LAA	9	78	85	C	C	C	C
B»	HAI METOLACHLO	1.50	LAA	9						
		LSD (0.05)			23.9	12.3	0.0	0.0	12.8	4.9
		STANDARD DEVIATION			11.6	6.0	0.0	0.0	6.2	2.4

» = SUPPLEMENTAL CHEMICAL

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

\* TIMING CODES

00 = --- / UNTREATED TIMING  
 09 = --- / PREEMERGENCE 06/08/2016(1)  
 11 = --- / EPOST 06/27/2016(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/22/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/22/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/22/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/22/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/29/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	06/29/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMAPA	CON %	06/29/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/29/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	07/05/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/05/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMAPA	CON %	07/05/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Helm Chlorimuron Pre and Post Comparison for Weed Control in RR Soybean. R-3N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
012	PHBPU	CON %	07/05/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/12/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/12/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMAPA	CON %	07/12/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	07/12/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	GLXMA	CON %	07/26/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	07/26/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMAPA	CON %	07/26/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/26/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	GLXMA	CON %	08/08/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	SETFA	CON %	08/08/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	AMAPA	CON %	08/08/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	08/08/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW AG3334 RR2