

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQ MIX	LIQ MIX	
APPLICATION DATE	06/15/14	07/09/14	AME
AIR TEMPERATURE	84	82	F
% REL.HUMIDITY	58	65	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	15.0	5.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
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	
S34 Z1 RR		8.00/8.00	IN
(PLANTED) 06/15/2014		24 DAP	
PEST *			
P, WATERHEMP, COMMO		---/19	
		3.00/6.00	IN
P, MORNINGGLORY, TA		---/14	
		2.00/3.00	IN
P, FOXTAIL, GIANT		---/14	
		2.00/6.00	IN
P, COCKLEBUR, COMMO		---/15	
		2.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

*** STAGE CODE**

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: 37-14/0031 and Sulfentrazone+Chlorimuron Comparisons for Weed Control in Soybean.
AS-400

CREATED: 05/09/2014 REVISED: 09/15/2014

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	DOSAGE		GLXMA	SETFA	AMATA	PHBPU	XANST	GLXMA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/06/14	07/06/14	07/06/14	07/06/14	07/18/14
1A	CHECK	0.00	NA	0	0	0	0	0	0
2A	»37-14/0031	0.446	LAA	9	0	0	40	0	0
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
3A	»37-14/0031	0.669	LAA	9	0	17	50	17	13
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
4A	»37-14/0031	0.893	LAA	9	0	30	63	17	17
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
5A	»37-14/0031	1.116	LAA	9	0	37	75	20	17
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
6A	»37-14/0031	1.339	LAA	9	0	40	85	33	27
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
7A	»SULFEN+CHLORIM	0.131	LAA	9	0	40	99	78	60
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
8A	»ME-TOO-LCHLR I	1.15	LAA	9	0	97	89	20	20
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
9A	»SULFEN+CHLORIM	0.131	LAA	9	0	57	99	62	43
	B»37-14/0031	0.446	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
10A	»SULFEN+CHLORIM	0.131	LAA	9	0	65	99	67	48
	B»37-14/0031	0.893	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
11A	»ME-TOO-LCHLR I	1.15	LAA	9	0	99	96	40	40
	B»37-14/0031	0.446	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
12A	»ME-TOO-LCHLR I	1.15	LAA	9	0	99	99	43	43
	B»37-14/0031	0.893	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
LSD (0.05)					0.00	8.93	8.69	9.88	10.36
STANDARD DEVIATION					0.00	4.30	4.19	4.76	5.00
									0.00

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REPS: 03

TRT	TREATMENT	DOSAGE		SETFA	AMATA	PHBPU	XANST	GLXMA	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/18/14	07/18/14	07/18/14	07/18/14	08/05/14
1A	CHECK	0.00	NA	0	0	0	0	0	0
2A	»37-14/0031	0.446	LAA	9	99	99	80	99	96
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
3A	»37-14/0031	0.669	LAA	9	99	99	83	99	96
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
4A	»37-14/0031	0.893	LAA	9	99	99	84	99	98
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
5A	»37-14/0031	1.116	LAA	9	99	99	85	99	98
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
6A	»37-14/0031	1.339	LAA	9	99	99	85	99	98
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
7A	»SULFEN+CHLORIM	0.131	LAA	9	99	99	96	99	97
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
8A	»ME-TOO-LCHLR I	1.15	LAA	9	99	99	75	99	98
	B»HELOS. PLUS AD	0.80	LAA	12					
	C»LIQUID AMS	2.50	PMV	12					
9A	»SULFEN+CHLORIM	0.131	LAA	9	99	99	90	99	98
	B»37-14/0031	0.446	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
10A	»SULFEN+CHLORIM	0.131	LAA	9	99	99	90	99	98
	B»37-14/0031	0.893	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
11A	»ME-TOO-LCHLR I	1.15	LAA	9	99	99	72	99	99
	B»37-14/0031	0.446	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
12A	»ME-TOO-LCHLR I	1.15	LAA	9	99	99	73	99	99
	B»37-14/0031	0.893	LAA	9					
	C»HELOS. PLUS AD	0.80	LAA	12					
	D»LIQUID AMS	2.50	PMV	12					
LSD (0.05)					0.00	0.00	5.00	0.00	2.13
STANDARD DEVIATION					0.00	0.00	2.40	0.00	1.00

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	AMATA	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %
				08/05/14	08/05/14
1A	CHECK	0.00	NA	0	0
2A	»37-14/0031	0.446	LAA	9	95
	B»HELOS. PLUS AD	0.80	LAA	12	88
	C»LIQUID AMS	2.50	PMV	12	99
3A	»37-14/0031	0.669	LAA	9	96
	B»HELOS. PLUS AD	0.80	LAA	12	88
	C»LIQUID AMS	2.50	PMV	12	99
4A	»37-14/0031	0.893	LAA	9	98
	B»HELOS. PLUS AD	0.80	LAA	12	92
	C»LIQUID AMS	2.50	PMV	12	99
5A	»37-14/0031	1.116	LAA	9	98
	B»HELOS. PLUS AD	0.80	LAA	12	92
	C»LIQUID AMS	2.50	PMV	12	99
6A	»37-14/0031	1.339	LAA	9	98
	B»HELOS. PLUS AD	0.80	LAA	12	92
	C»LIQUID AMS	2.50	PMV	12	99
7A	»SULFEN+CHLORIM	0.131	LAA	9	99
	B»HELOS. PLUS AD	0.80	LAA	12	98
	C»LIQUID AMS	2.50	PMV	12	99
8A	»ME-TOO-LCHLR I	1.15	LAA	9	99
	B»HELOS. PLUS AD	0.80	LAA	12	90
	C»LIQUID AMS	2.50	PMV	12	99
9A	»SULFEN+CHLORIM	0.131	LAA	9	99
	B»37-14/0031	0.446	LAA	9	98
	C»HELOS. PLUS AD	0.80	LAA	12	99
	D»LIQUID AMS	2.50	PMV	12	
10A	»SULFEN+CHLORIM	0.131	LAA	9	99
	B»37-14/0031	0.893	LAA	9	98
	C»HELOS. PLUS AD	0.80	LAA	12	99
	D»LIQUID AMS	2.50	PMV	12	
11A	»ME-TOO-LCHLR I	1.15	LAA	9	98
	B»37-14/0031	0.446	LAA	9	94
	C»HELOS. PLUS AD	0.80	LAA	12	99
	D»LIQUID AMS	2.50	PMV	12	
12A	»ME-TOO-LCHLR I	1.15	LAA	9	99
	B»37-14/0031	0.893	LAA	9	96
	C»HELOS. PLUS AD	0.80	LAA	12	99
	D»LIQUID AMS	2.50	PMV	12	
LSD (0.05)				1.19	3.51
STANDARD DEVIATION				0.573	1.69
					0.282
					0.136

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 06/15/2014(1)

12 = ----- / POST 07/09/2014(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 %	07/06/2014	01	P	GLXMA		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
002	SETFA	CON %	07/06/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/06/2014	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	07/06/2014	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	07/06/2014	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/18/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/18/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/18/2014	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/18/2014	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	XANST	CON %	07/18/2014	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	08/05/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/05/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	08/05/2014	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	08/05/2014	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	08/05/2014	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = S34 Z1 RR