

SOIL INFORMATION

TEXTURE: SIL
 PH: 6.5
 %OM: 4.0
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 10 X 30 FEET
 PLOT AREA: 300 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQ MIX	LIQ MIX	
APPLICATION DATE	05/26/14	06/19/14	AME
AIR TEMPERATURE	87	80	F
% REL. HUMIDITY	47	81	
WIND DIRECTION	NORTHWEST	NA/NONE/U	
WIND SPEED	4.0	0.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
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	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	---	---	
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		---/15	
A 3231RR		6.00/7.00	IN
(PLANTED) 05/26/2014		24 DAP	
PEST *			
P, WATERHEMP, COMMO		---/19	
		2.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

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

TITLE: 37-14/0031 and Sulfentrazone+Chlorimuron Comparisons for HPPD-Resis. WH Control.
Sidney

CREATED: 04/27/2014 REVISED: 09/15/2014

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Sidney

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG

PLOT AREA: 300.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 06/09/14	AMATA CON % 06/09/14	GLXMA CON % 06/16/14	AMATA CON % 06/16/14	GLXMA CON % 06/19/14	AMATA CON % 06/19/14
1A CHECK	0.00 NA	0	0	0	0	0	0	0
2A»37-14/0031	0.446 LAA	9	0	67	0	33	0	30
B»HELOS. PLUS AD	0.80 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
3A»37-14/0031	0.669 LAA	9	0	87	0	52	0	50
B»HELOS. PLUS AD	0.80 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
4A»37-14/0031	0.893 LAA	9	0	85	0	67	0	65
B»HELOS. PLUS AD	0.80 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
5A»37-14/0031	1.116 LAA	9	0	98	0	83	0	80
B»HELOS. PLUS AD	0.80 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
6A»37-14/0031	1.339 LAA	9	0	96	0	90	0	90
B»HELOS. PLUS AD	0.80 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
7A»SULFEN+CHLORIM	0.131 LAA	9	0	80	0	78	0	78
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	80	0	57	0	50
B»HELOS. PLUS AD	0.80 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
9A»SULFEN+CHLORIM	0.131 LAA	9	0	93	0	87	0	85
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	97	0	88	0	83
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	85	0	73	0	75
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	94	0	93	0	90
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	9.65	0.00	5.88	0.00	3.81
STANDARD DEVIATION			0.00	4.65	0.00	2.84	0.00	1.83

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COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Sidney

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG

PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	GLXMA	AMATA		
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %
				07/01/14	07/01/14	
1A	CHECK	0.00	NA	0	0	0
2A	»37-14/0031	0.446	LAA	9	0	90
	B»HELOS. PLUS AD	0.80	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
3A	»37-14/0031	0.669	LAA	9	0	92
	B»HELOS. PLUS AD	0.80	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
4A	»37-14/0031	0.893	LAA	9	0	96
	B»HELOS. PLUS AD	0.80	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
5A	»37-14/0031	1.116	LAA	9	0	97
	B»HELOS. PLUS AD	0.80	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
6A	»37-14/0031	1.339	LAA	9	0	97
	B»HELOS. PLUS AD	0.80	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
7A	»SULFEN+CHLORIM	0.131	LAA	9	0	92
	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	92
	B»HELOS. PLUS AD	0.80	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
9A	»SULFEN+CHLORIM	0.131	LAA	9	0	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	0	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	0	92
	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	97
	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	3.27
STANDARD DEVIATION					0.00	1.58

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/26/2014(1)

12 = ----- / POST 06/19/2014(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	GLXMA	CON %	06/09/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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Sidney

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	AMATA	CON %	06/09/2014	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	06/16/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/16/2014	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/19/2014	01	P	GLXMA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	06/19/2014	02	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/01/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/01/2014	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3231RR

* STAGE CODE

15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED