

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 2.4
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 10 X 25 FEET
 PLOT AREA: 250 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/24/10	07/01/10	AME
AIR TEMPERATURE	83	75	F
% REL.HUMIDITY	46	52	
WIND DIRECTION	SOUTH	EAST	
WIND SPEED	5.0	5.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
DEW	NO	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	---/15	
ASGROW 4404 RR	8.00/8.00	10.0/10.0	IN
06/05/2010			
*** PEST ***			
WATERHEMP, COMMO	---/19	---/19	
	2.00/4.00	2.00/14.0	IN

* TIMING CODES

11 = ----- / EPOST
 12 = ----- / POST

* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Glyphosate Rate and Timing on Glyphosate-Resistant Waterhemp
CREATED: 05/07/2010 **REVISED:** 08/25/2010 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: GR WH Site South **RESEARCHED BY:** UNIV. OF IL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 25.00 FT LONG
PLOT AREA: 250.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/07/10	07/07/10	07/16/10	07/16/10
1A»	WEATHERMAX 4.5	0.77	LAA 11		0	33	0	30
B»	LIQUID AMS	2.50	PMV 11					0
2A»	WEATHERMAX 4.5	1.54	LAA 11		0	33	0	30
B»	LIQUID AMS	2.50	PMV 11					0
3A»	WEATHERMAX 4.5	2.31	LAA 11		1	53	0	50
B»	LIQUID AMS	2.50	PMV 11					0
4A»	WEATHERMAX 4.5	3.08	LAA 11		1	83	0	90
B»	LIQUID AMS	2.50	PMV 11					0
5A»	WEATHERMAX 4.5	3.85	LAA 11		7	90	4	93
B»	LIQUID AMS	2.50	PMV 11					3
6A»	WEATHERMAX 4.5	4.62	LAA 11		6	93	5	93
B»	LIQUID AMS	2.50	PMV 11					3
7A»	WEATHERMAX 4.5	5.39	LAA 11		6	95	5	99
B»	LIQUID AMS	2.50	PMV 11					4
8A»	WEATHERMAX 4.5	6.16	LAA 11		9	99	5	99
B»	LIQUID AMS	2.50	PMV 11					3
9A	CHECK	0.00	NA 0		0	0	0	0
10A»	WEATHERMAX 4.5	0.77	LAA 12		0	23	0	25
B»	LIQUID AMS	2.50	PMV 12					0
11A»	WEATHERMAX 4.5	1.54	LAA 12		0	30	0	33
B»	LIQUID AMS	2.50	PMV 12					0
12A»	WEATHERMAX 4.5	2.31	LAA 12		2	37	0	47
B»	LIQUID AMS	2.50	PMV 12					0
13A»	WEATHERMAX 4.5	3.08	LAA 12		6	43	5	57
B»	LIQUID AMS	2.50	PMV 12					4
14A»	WEATHERMAX 4.5	3.85	LAA 12		11	62	10	77
B»	LIQUID AMS	2.50	PMV 12					8
15A»	WEATHERMAX 4.5	4.62	LAA 12		11	60	10	78
B»	LIQUID AMS	2.50	PMV 12					8
16A»	WEATHERMAX 4.5	5.39	LAA 12		15	73	15	80
B»	LIQUID AMS	2.50	PMV 12					15
17A»	WEATHERMAX 4.5	6.16	LAA 12		14	73	15	83
B»	LIQUID AMS	2.50	PMV 12					13
18A»	WEATHERMAX 4.5	12.32	LAA 12		33	83	33	90
B»	LIQUID AMS	2.50	PMV 12					27
LSD (0.05)					2.78	8.12	2.28	9.53
STANDARD DEVIATION					1.37	4.00	1.13	4.72
								3.75
								1.85
								9.16
								4.53

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 11 = ----- / EPOST 06/24/2010(1)
 12 = ----- / POST 07/01/2010(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 %	07/07/2010	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	AMATA	CON %	07/07/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	07/16/2010	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	07/16/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/22/2010	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/22/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW 4404 RR