

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	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	06/08/10	AME
AIR TEMPERATURE	80	F
% REL.HUMIDITY	47	
WIND DIRECTION	NORTH	
WIND SPEED	6.0	M/H
CLOUD COVER	CLOUDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	

\* TIMING CODES

09 = ----- / PREEMERGENCE

**TITLE:** Soil-Applied PPO Herbicides for Control of Glyphosate-Resistant Waterhemp -  
**CREATED:** 05/07/2010 **REVISED:** 08/25/2010 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** WHR 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 CON %	AMATA CON %	GLXMA CON %	AMATA CON %
		RATE	UNIT	TM				
1A»	AUTHOR. ASSIST	0.156	LAA	9	0	99	0	92
2A»	AUTHOR. ASSIST	0.188	LAA	9	0	98	0	95
3A»	AUTHOR. ASSIST	0.313	LAA	9	0	99	0	99
4A»	AUTHOR. FIRST	0.14	LAA	9	0	99	0	95
5A»	AUTHOR. FIRST	0.28	LAA	9	0	99	0	93
6A»	AUTHORITY XL 7	0.14	LAA	9	0	90	0	82
7A»	AUTHORITY XL 7	0.175	LAA	9	1	99	0	93
8A»	AUTHORITY XL 7	0.21	LAA	9	0	99	0	92
9A»	VALOR XLT 40WG	0.063	LAA	0	1	99	0	93
	B CLASSIC 25WG	0.016	LAA	9				
	C»VALOR 51WDG	0.047	LAA	9				
10A»	VALOR XLT 40WG	0.088	LAA	0	2	99	0	99
	B CLASSIC 25WG	0.023	LAA	9				
	C»VALOR 51WDG	0.065	LAA	9				
11A»	VALOR XLT 40WG	0.125	LAA	0	9	99	3	96
	B CLASSIC 25WG	0.032	LAA	9				
	C»VALOR 51WDG	0.093	LAA	9				
12A»	SHARPEN 2.85L	0.022	LAA	9	0	72	0	30
13A»	SHARPEN 2.85L	0.045	LAA	9	0	93	0	93
14A»	SHARPEN 2.85L	0.067	LAA	9	4	99	1	95
15A»	OPTILL 68WG	0.085	LAA	9	1	67	0	27
16A»	PREFIX 5.32SL	1.33	LAA	9	0	99	0	90
17A»	PREFIX 5.32SL	2.00	LAA	9	1	99	1	99
18A»	VERDICT 5.57L	0.435	LAA	9	2	99	0	99
19A»	VERDICT 5.57L	0.696	LAA	9	6	99	2	99
20A	CHECK	0.00	NA	0	0	0	0	0
		LSD (0.05)			1.00	3.00	0.654	5.00
		STANDARD DEVIATION			0.489	1.48	0.324	2.49

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 06/08/2010(1)

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 %	06/29/2010	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/29/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	07/29/2010	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	07/29/2010	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