

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	03	UNIT
TIMINGS	12	13	14	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	07/01/10	07/16/10	08/05/10	AME
AIR TEMPERATURE	75	86	84	F
% REL.HUMIDITY	52	42	71	
WIND DIRECTION	EAST	SOUTH	NORTH	
WIND SPEED	5.0	4.0	2.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLOUDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
SOYBEAN	---/15	---/18	---/19	
ASGROW 4404 RR	10.0/10.0	16.0/16.0	20.0/20.0	IN
06/05/2010				
*** PEST ***				
WATERHEMP, COMMO	---/19	---/19	---/19	
	2.00/14.0	4.00/16.0	12.0/26.0	IN

* TIMING CODES

12 = ----- / POST
13 = ----- / LPOST
14 = ----- / VLPOST

* STAGE CODE

15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES

TITLE: Glufosinate Rate and Timing for Control of Gly-Resistant Waterhemp - South
CREATED: 05/08/2010 **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	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA		
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %		
					07/07/10	07/16/10	07/22/10	07/29/10		
								08/12/10		
								08/25/10		
1A	CHECK	0.00	NA	0	0	0	0	C	0	0
2A»	IGNITE 2.33SL	0.40	LAA	12	73	68	65	C	58	47
B»	LIQUID AMS	2.50	PMV	12						
3A»	IGNITE 2.33SL	0.53	LAA	12	83	72	72	C	62	50
B»	LIQUID AMS	2.50	PMV	12						
4A»	IGNITE 2.33SL	0.66	LAA	12	88	78	72	C	57	47
B»	LIQUID AMS	2.50	PMV	12						
5A»	IGNITE 2.33SL	0.53	LAA	13	C	C	77	53	53	47
B»	LIQUID AMS	2.50	PMV	13						
6A»	IGNITE 2.33SL	0.66	LAA	13	C	C	78	78	65	50
B»	LIQUID AMS	2.50	PMV	13						
7A»	IGNITE 2.33SL	0.40	LAA	12	77	67	99	92	78	63
B»	LIQUID AMS	2.50	PMV	12						
C»	IGNITE 2.33SL	0.40	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
8A»	IGNITE 2.33SL	0.40	LAA	12	78	63	57	C	88	78
B»	LIQUID AMS	2.50	PMV	12						
C»	IGNITE 2.33SL	0.40	LAA	14						
D»	LIQUID AMS	2.50	PMV	14						
9A»	IGNITE 2.33SL	0.40	LAA	12	78	65	57	C	87	78
B»	LIQUID AMS	2.50	PMV	12						
C»	IGNITE 2.33SL	0.40	LAA	14						
D»	LIQUID AMS	2.50	PMV	14						
10A»	IGNITE 2.33SL	0.40	LAA	12	80	70	60	C	57	43
B	FLEXSTAR 1.88	0.235	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					26.48	22.52	19.88	3.80	7.76	6.58
STANDARD DEVIATION					12.55	10.67	9.42	1.81	3.69	3.13

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 07/01/2010(1)
 13 = ----- / LPOST 07/16/2010(2)
 14 = ----- / VLPOST 08/05/2010(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	AMATA	CON %	07/07/2010	02	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	07/16/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/22/2010	02	P	AMATA		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
005	AMATA	CON %	08/12/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	08/25/2010	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* STAGE CODE

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