

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.7
 %OM: 1.5
 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	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/18/07	06/04/07	06/08/07	06/11/07	AME
AIR TEMPERATURE	70	72	77	80	F
% REL.HUMIDITY	44	58	40	40	
WIND DIRECTION	EAST	WEST	WEST	EAST	
WIND SPEED	7.0	10.0	7.0	5.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLOUDY	PARTCLDY	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SCREEN SIZE					
SCREEN SZ DESC	NA	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/14	---/14	---/15	
05/10/2007		6.00/6.00	7.00/7.00	8.00/8.00	IN
*** PEST ***					
WATERHEMP, COMMO		---/19	---/19	---/19	
		1.00/6.00	2.00/10.0	1.00/14.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST
 12 = ----- / POST
 13 = ----- / LPOST

* 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: Valor Comparisons for Weed Control of Glyphosate-Resistant Waterhemp -
CREATED: 07/24/2007 **REVISED:** 09/27/2007 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Resistant site **RESEARCHED BY:** UNIV. OF ILL
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
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %
					05/31/07	06/18/07	07/02/07
1A	VALOR 51WG	0.096	LAA	9	99	99	99
	B»WEATHERMAX 4.5	0.77	LAA	12			
	C»LIQUID AMS	2.50	PMV	12			
2A»	VALOR XLT 40WG	0.075	LAA	0	99	96	99
	B VALOR 51WG	0.056	LAA	9			
	C CLASSIC 25WG	0.019	LAA	9			
	D»WEATHERMAX 4.5	0.77	LAA	12			
	E»LIQUID AMS	2.50	PMV	12			
3A»	VALOR XLT 40WG	0.10	LAA	0	99	98	98
	B VALOR 51WG	0.074	LAA	9			
	C CLASSIC 25WG	0.026	LAA	9			
	D»WEATHERMAX 4.5	0.77	LAA	12			
	E»LIQUID AMS	2.50	PMV	12			
4A»	VALOR XLT 40WG	0.125	LAA	0	99	99	99
	B VALOR 51WG	0.093	LAA	9			
	C CLASSIC 25WG	0.032	LAA	9			
	D»WEATHERMAX 4.5	0.77	LAA	12			
	E»LIQUID AMS	2.50	PMV	12			
5A	CANOPY 75WG	0.164	LAA	9	88	47	37
	B»WEATHERMAX 4.5	0.77	LAA	12			
	C»LIQUID AMS	2.50	PMV	12			
6A	GANGSTER FR	0.032	LAA	9	99	99	99
	B GANGSTER V	0.096	LAA	9			
	C»WEATHERMAX 4.5	0.77	LAA	12			
	D»LIQUID AMS	2.50	PMV	12			
7A	VALOR 51WG	0.064	LAA	9	99	99	99
	B»INTRRO 4EC	1.00	LAA	9			
	C»WEATHERMAX 4.5	0.77	LAA	12			
	D»LIQUID AMS	2.50	PMV	12			
8A»	PREFIX 5.32SL	1.34	LAA	9	93	63	63
	B»TOUCHDN TOTAL	0.78	LAA	12			
	C»LIQUID AMS	2.50	PMV	12			
9A	VALOR 51WG	0.064	LAA	9	99	99	98
	B»INTRRO 4EC	1.00	LAA	11			
	C»WEATHERMAX 4.5	0.77	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
10A»	WEATHERMAX 4.5	0.77	LAA	12	0	30	30
	B»LIQUID AMS	2.50	PMV	12			
11A»	WEATHERMAX 4.5	0.77	LAA	11	0	43	43
	B»LIQUID AMS	2.50	PMV	11			
	C»WEATHERMAX 4.5	0.77	LAA	13			
	D»LIQUID AMS	2.50	PMV	13			
12A	CHECK	0.00	NA	0	0	0	0
13A»	SURESTART 4.16	0.93	LAA	9	99	92	90
	B»DURANGO 4AE	0.75	LAA	12			
	C»LIQUID AMS	2.50	PMV	12			
14A	BICEP II MAG	2.06	LAA	9	99	87	85
	B CALLISTO 4SC	0.094	LAA	12			
	C ATRAZINE DF	0.25	LAA	12			
	D»COC	1.00	PMV	12			
	E 28% UAN	2.50	PMV	12			

TITLE: Valor Comparisons for Weed Control of Glyphosate-Resistant Waterhemp -

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA		
		RATE	UNIT		CON % 05/31/07	CON % 06/18/07	CON % 07/02/07
15A»	WEATHERMAX 4.5	0.77	LAA	12	C	C	30
	B»LAUDIS 3.5SC	0.082	LAA	12			
	C ATRAZINE DF	0.50	LAA	12			
	D»LIQUID AMS	2.50	PMV	12			
16A»	SURESTART 4.16	0.93	LAA	11	0	63	57
	B»DURANGO 4AE	0.75	LAA	11			
	C»LIQUID AMS	2.50	PMV	11			
LSD (0.05)					2.44	11.10	8.47
STANDARD DEVIATION					1.20	5.44	4.15

» = SUPPLEMENTAL CHEMICAL ---,M,C,D = MISSING DATA

* TIMING CODES
00 = ----- / UNTREATED TIMING
09 = ----- / PREEMERGENCE 05/18/2007(1)
11 = ----- / EPOST 06/04/2007(2)
12 = ----- / POST 06/08/2007(3)
13 = ----- / LPOST 06/11/2007(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	AMATA	CON %	05/31/2007	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/18/2007	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/02/2007	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N