

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV. CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/24/04	06/23/04	07/08/04	AME
AIR TEMPERATURE	85	73	74	F
% REL. HUMIDITY	30	66	76	
WIND DIRECTION	NA/NONE/U	SOUTHWEST	NORTHWEST	
WIND SPEED	0.0	8.0	4.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
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	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	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	---/16	
ASGROW 4403		5.00/5.00	8.00/8.00	IN
05/24/2004				
*** PEST ***				
WATERHEMP, COMMO		---/18	---/19	
		2.00/4.00	4.00/6.00	IN
SMARTWEED, PENNS		---/18	---/19	
		3.00/5.00	4.00/8.00	IN
SHATTERCANE, SOR		---/12	---/14	
		2.00/4.00	4.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Herbicide programs for PPO resistant waterhemp populations
CREATED: 05/19/2004 **REVISED:** 11/29/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BTOWN **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	AMATA	SORVU	POLPY	GLXMA	AMATA
		RATE	UNIT		CON % 06/23/04	CON % 06/23/04	CON % 06/23/04	CON % 06/23/04	CON % 07/15/04	CON % 07/15/04
1A»	FLEXSTAR 1.88M	0.294	LAA	12					0	99
	B FUSION	0.21	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
2A»	FLEXSTAR 1.88M	0.294	LAA	12					0	99
	B FUSION	0.21	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
3A»	BOUNDARY 6.5EC	1.22	LAA	9	0	99	87	96	0	99
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
4A»	DUAL II MAGNUM	1.27	LAA	9	0	98	90	94	0	99
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
5A»	BOUNDARY 6.5EC	1.22	LAA	9	0	96	87	99	0	99
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
6A»	DUAL II MAGNUM	1.27	LAA	9	0	96	85	91	0	99
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
7A»	BOUNDARY 6.5EC	1.46	LAA	9	0	96	93	99	0	99
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
8A»	DUAL II MAGNUM	1.27	LAA	9	0	99	93	93	0	99
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	BOUNDARY 6.5EC	1.46	LAA	9	0	93	87	95	0	99
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
11A»	DUAL II MAGNUM	1.27	LAA	9	0	96	85	95	0	99
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
12A»	PROWL H20 3.8C	1.19	LAA	9	0	99	93	99	0	99
	B»CANOPY XL 56.3	0.141	LAA	0						
	C»AUTHORITY	0.117	LAA	9						
	D CLASSIC 25WG	0.024	LAA	9						
	E»WEATHERMAX 4.5	0.56	LAA	13						
	F»LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			0.00	4.92	7.85	5.82	0.00	0.00
		STANDARD DEVIATION			0.00	2.34	3.74	2.77	0.00	0.00

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SORVU	POLPY
		RATE	UNIT		CON % 07/15/04	CON % 07/15/04
1A	FLEXSTAR 1.88M	0.294	LAA 12		99	99
B	FUSION	0.21	LAA 12			
C	MISO	1.00	PMV 12			
D	28% UAN	2.00	PMV 12			
2A	FLEXSTAR 1.88M	0.294	LAA 12		99	99
B	FUSION	0.21	LAA 12			
C	MISO	1.00	PMV 12			
D	28% UAN	2.00	PMV 12			
3A	BOUNDARY 6.5EC	1.22	LAA 9		99	99
B	FLEXSTAR 1.88M	0.294	LAA 12			
C	MISO	1.00	PMV 12			
D	28% UAN	2.00	PMV 12			
4A	DUAL II MAGNUM	1.27	LAA 9		99	99
B	FLEXSTAR 1.88M	0.294	LAA 12			
C	MISO	1.00	PMV 12			
D	28% UAN	2.00	PMV 12			
5A	BOUNDARY 6.5EC	1.22	LAA 9		99	99
B	FLEXSTAR 1.88M	0.294	LAA 12			
C	MISO	1.00	PMV 12			
D	28% UAN	2.00	PMV 12			
6A	DUAL II MAGNUM	1.27	LAA 9		99	99
B	FLEXSTAR 1.88M	0.294	LAA 12			
C	MISO	1.00	PMV 12			
D	28% UAN	2.00	PMV 12			
7A	BOUNDARY 6.5EC	1.46	LAA 9		99	99
B	TOUCHDN TOTAL	0.75	LAA 13			
C	LIQUID AMS	2.50	PMV 13			
8A	DUAL II MAGNUM	1.27	LAA 9		99	99
B	TOUCHDN TOTAL	0.75	LAA 13			
C	LIQUID AMS	2.50	PMV 13			
9A	CHECK	0.00	NA 0		0	0
10A	BOUNDARY 6.5EC	1.46	LAA 9		99	99
B	TOUCHDN TOTAL	0.75	LAA 13			
C	LIQUID AMS	2.50	PMV 13			
11A	DUAL II MAGNUM	1.27	LAA 9		99	99
B	TOUCHDN TOTAL	0.75	LAA 13			
C	LIQUID AMS	2.50	PMV 13			
12A	PROWL H20 3.8C	1.19	LAA 9		99	99
B	CANOPY XL 56.3	0.141	LAA 0			
C	AUTHORITY	0.117	LAA 9			
D	CLASSIC 25WG	0.024	LAA 9			
E	WEATHERMAX 4.5	0.56	LAA 13			
F	LIQUID AMS	2.50	PMV 13			
LSD (0.05)					0.00	0.00
STANDARD DEVIATION					0.00	0.00

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/24/2004 (1)
 12 = ----- / POST 06/23/2004 (2)
 13 = ----- / LPOST 07/08/2004 (3)

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 %	06/23/2004	01	P	GLXMA	15	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	CTRTR	SS	NOTE
002	AMATA	CON %	06/23/2004	02	P	AMATA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SORVU	CON %	06/23/2004	03	P	SORVU	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	06/23/2004	04	P	POLPY	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/15/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/15/2004	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SORVU	CON %	07/15/2004	03	P	SORVU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	POLPY	CON %	07/15/2004	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 4403

* STAGE CODE

12 = 2 LEAVES UNFOLDED

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

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED