

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 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	05/18/04	06/14/04	06/21/04	AME
AIR TEMPERATURE	80	80	75	F
% REL.HUMIDITY	70	65	55	
WIND DIRECTION	SOUTHWEST	NORTHWEST	SOUTH	
WIND SPEED	7.0	5.0	6.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	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	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	---/01			
ASGROW 3302 RR/S	/			IN
05/18/2004				

* TIMING CODES

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

* STAGE CODE

01 = BEGINNING OF SEED IMBIBITION

TITLE: Herbicide Rotations for PPO Resistant Waterhemp Populations AS-400
CREATED: 05/14/2004 **REVISED:** 09/07/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT	TREATMENT	DOSAGE	AMATA	CHEAL	GLXMA	SETFA	AMATA	CHEAL
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/24/04	06/24/04	07/16/04	07/16/04
1A»	FLEXSTAR 1.88M	0.294	LAA	12	95	20	0	93
B	FUSION	0.21	LAA	12				92
C»	MISO	1.00	PMV	12				20
D	28% UAN	2.00	PMV	12				
2A»	FLEXSTAR 1.88M	0.294	LAA	12	95	20	0	92
B	FUSION	0.21	LAA	12				93
C»	MISO	1.00	PMV	12				20
D	28% UAN	2.00	PMV	12				
3A»	BOUNDARY 6.5EC	1.22	LAA	9	95	67	0	63
B»	FLEXSTAR 1.88M	0.294	LAA	12				95
C»	MISO	1.00	PMV	12				82
D	28% UAN	2.00	PMV	12				
4A»	DUAL II MAGNUM	1.27	LAA	9	95	20	0	60
B»	FLEXSTAR 1.88M	0.294	LAA	12				95
C»	MISO	1.00	PMV	12				40
D	28% UAN	2.00	PMV	12				
5A»	BOUNDARY 6.5EC	1.22	LAA	9	95	77	0	68
B»	FLEXSTAR 1.88M	0.294	LAA	12				95
C»	MISO	1.00	PMV	12				92
D	28% UAN	2.00	PMV	12				
6A»	DUAL II MAGNUM	1.27	LAA	9	95	20	0	60
B»	FLEXSTAR 1.88M	0.294	LAA	12				95
C»	MISO	1.00	PMV	12				27
D	28% UAN	2.00	PMV	12				
7A»	BOUNDARY 6.5EC	1.46	LAA	9	94	96	0	99
B»	TOUCHDN TOTAL	0.75	LAA	13				99
C»	LIQUID AMS	2.50	PMV	13				99
8A»	DUAL II MAGNUM	1.27	LAA	9	95	82	0	98
B»	TOUCHDN TOTAL	0.75	LAA	13				99
C»	LIQUID AMS	2.50	PMV	13				99
9A	CHECK	0.00	NA	0	0	0	0	0
10A»	BOUNDARY 6.5EC	1.46	LAA	9	93	90	0	99
B»	TOUCHDN TOTAL	0.75	LAA	13				99
C»	LIQUID AMS	2.50	PMV	13				99
11A»	DUAL II MAGNUM	1.27	LAA	9	95	83	0	99
B»	TOUCHDN TOTAL	0.75	LAA	13				98
C»	LIQUID AMS	2.50	PMV	13				96
12A»	PROWL H20 3.8C	1.19	LAA	9	95	95	0	98
B»	CANOPY XL 56.3	0.141	LAA	0				99
C»	AUTHORITY	0.117	LAA	9				99
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)					1.54	5.27	0.00	5.72
STANDARD DEVIATION					0.744	2.54	0.00	2.76
								2.25
								1.09
								7.08
								3.41

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/18/2004 (1)
 12 = ----- / POST 06/14/2004 (2)
 13 = ----- / LPOST 06/21/2004 (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 %	06/14/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Herbicide Rotations for PPO Resistant Waterhemp Populations AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
002	SETFA	CON %	06/14/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/14/2004	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/14/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/24/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	06/24/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	06/24/2004	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/24/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	07/16/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/16/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/16/2004	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	07/16/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3302 RR/STS