

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	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/01/02	07/03/02	AME
AIR TEMPERATURE	89	91	F
% REL.HUMIDITY	42	60	
WIND DIRECTION	WEST	---	
WIND SPEED	7.0	0.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
SOYBEAN		---/15	
FS 2906RR		10.0/10.0	IN
08/30/2002			
*** PEST ***			
VELVETLEAF		---/16	
		2.00/6.00	IN
WATERHEMP, COMMO		---/19	
		2.00/6.00	IN
MORNINGGLORY, IV		---/19	
		2.00/4.00	IN
FOXTAIL, GIANT		---/13	
		2.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: REDUCED PREEMERGENCE HERBICIDE RATES IN RR-SOYS AS-400

CREATED: 04/22/2002 REVISED: 08/30/2002

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 NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	ABUTH	IPOHE	GLXMA
		RATE	UNIT	TM	CON % 07/05/02	CON % 07/05/02	CON % 07/05/02	CON % 07/05/02	CON % 07/05/02	CON % 07/27/02
1A	BOUNDARY 6.5EC	1.01	LAA	9	0	70	99	73	43	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
2A	BOUNDARY 6.5EC	2.03	LAA	9	0	82	99	90	47	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
3A	DOMAIN 60DF	0.26	LAA	9	0	50	99	43	27	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
4A	DOMAIN 60DF	0.525	LAA	9	0	65	96	75	33	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	PROWL 3.3EC	0.62	LAA	9	0	60	53	43	47	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
7A	PROWL 3.3EC	1.20	LAA	9	0	65	63	40	53	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
8A	AUTHORITY	0.125	LAA	9	0	37	67	70	43	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
9A	AUTHORITY	0.25	LAA	9	0	43	87	63	43	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
10A	CANOPY XL 56.3	0.12	LAA	0	0	30	80	73	47	0
B	AUTHORITY	0.10	LAA	9						
C	CLASSIC 25WG	0.02	LAA	9						
D	RNDUP ULTRA MA	0.75	LAA	12						
E	AM. SULFATE	8.50	PMG	12						
11A	CANOPY XL 56.3	0.24	LAA	0	0	47	88	83	57	0
B	AUTHORITY	0.20	LAA	9						
C	CLASSIC 25WG	0.04	LAA	9						
D	RNDUP ULTRA MA	0.75	LAA	12						
E	AM. SULFATE	8.50	PMG	12						
12A	COMMAND 3ME	0.375	LAA	9	0	77	43	93	13	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
13A	COMMAND 3ME	0.75	LAA	9	0	78	40	96	30	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
14A	AUTHORITY	0.188	LAA	9	0	57	82	88	53	0
B	COMMAND 3ME	0.375	LAA	9						
C	RNDUP ULTRA MA	0.75	LAA	12						
D	AM. SULFATE	8.50	PMG	12						
15A	AUTHORITY	0.375	LAA	9	0	80	85	75	77	0
B	COMMAND 3ME	0.75	LAA	9						
C	RNDUP ULTRA MA	0.75	LAA	12						
D	AM. SULFATE	8.50	PMG	12						
16A	FIRSTRATE 84WG	0.0158	LAA	9	0	20	33	83	33	0
B	RNDUP ULTRA MA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						

DATA MEAN

TITLE: REDUCED PREEMERGENCE HERBICIDE RATES IN RR-SOYS AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	ABUTH	IPOHE	GLXMA
		RATE	UNIT		CON % 07/05/02	CON % 07/05/02	CON % 07/05/02	CON % 07/05/02	CON % 07/05/02	CON % 07/27/02
17A»	FIRSTRATE 84WG	0.0315	LAA 9		0	37	63	83	37	0
	B»RNDUP ULTRA MA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
18A»	PYTHON 80WG	0.025	LAA 9		0	23	75	65	47	0
	B SENCOR 75WG	0.14	LAA 9							
	C»RNDUP ULTRA MA	0.75	LAA 12							
	D AM. SULFATE	8.50	PMG 12							
19A»	PYTHON 80WG	0.05	LAA 9		0	37	93	88	43	0
	B SENCOR 75WG	0.28	LAA 9							
	C»RNDUP ULTRA MA	0.75	LAA 12							
	D AM. SULFATE	8.50	PMG 12							
20A»	OUTLOOK 6EC	0.26	LAA 9		0	67	83	27	27	0
	B»RNDUP ULTRA MA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
21A»	OUTLOOK 6EC	0.51	LAA 9		0	87	90	37	30	0
	B»RNDUP ULTRA MA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
22A»	HAND WEEDED	0.00	NA 0		0	99	99	99	99	0
23A	CANOPY 75WG	0.28	LAA 9		0	40	85	83	63	0
	B»RNDUP ULTRA MA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
24A»	RNDUP ULTRA MA	0.75	LAA 12		0					0
	B AM. SULFATE	8.50	PMG 12							
		LSD (0.05)			0.00	15.85	14.79	19.81	22.10	0.00
		STANDARD DEVIATION			0.00	7.93	7.39	9.91	11.05	0.00

DATA MEAN

TITLE: REDUCED PREEMERGENCE HERBICIDE RATES IN RR-SOYS AS-400
CREATED: 04/22/2002 **REVISED:** 08/30/2002 **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 NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMATA	IPOHE	ABUTH
		RATE	UNIT	TM	CON % 07/27/02	CON % 07/27/02	CON % 07/27/02	CON % 07/27/02
1A	BOUNDARY 6.5EC	1.01	LAA	9	90	99	63	95
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
2A	BOUNDARY 6.5EC	2.03	LAA	9	96	99	57	99
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
3A	DOMAIN 60DF	0.26	LAA	9	82	99	50	99
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
4A	DOMAIN 60DF	0.525	LAA	9	89	99	40	99
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
5A	CHECK	0.00	NA	0	0	0	0	0
6A	PROWL 3.3EC	0.62	LAA	9	92	99	63	96
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
7A	PROWL 3.3EC	1.20	LAA	9	93	96	50	96
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
8A	AUTHORITY	0.125	LAA	9	86	99	63	99
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
9A	AUTHORITY	0.25	LAA	9	87	99	58	96
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
10A	CANOPY XL 56.3	0.12	LAA	0	83	96	65	96
B	AUTHORITY	0.10	LAA	9				
C	CLASSIC 25WG	0.02	LAA	9				
D	RNDUP ULTRA MA	0.75	LAA	12				
E	AM. SULFATE	8.50	PMG	12				
11A	CANOPY XL 56.3	0.24	LAA	0	90	99	58	99
B	AUTHORITY	0.20	LAA	9				
C	CLASSIC 25WG	0.04	LAA	9				
D	RNDUP ULTRA MA	0.75	LAA	12				
E	AM. SULFATE	8.50	PMG	12				
12A	COMMAND 3ME	0.375	LAA	9	93	99	40	98
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
13A	COMMAND 3ME	0.75	LAA	9	96	99	58	99
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				
14A	AUTHORITY	0.188	LAA	9	92	99	77	96
B	COMMAND 3ME	0.375	LAA	9				
C	RNDUP ULTRA MA	0.75	LAA	12				
D	AM. SULFATE	8.50	PMG	12				
15A	AUTHORITY	0.375	LAA	9	93	99	83	99
B	COMMAND 3ME	0.75	LAA	9				
C	RNDUP ULTRA MA	0.75	LAA	12				
D	AM. SULFATE	8.50	PMG	12				
16A	FIRSTRATE 84WG	0.0158	LAA	9	89	99	53	99
B	RNDUP ULTRA MA	0.75	LAA	12				
C	AM. SULFATE	8.50	PMG	12				

DATA MEAN

TITLE: REDUCED PREEMERGENCE HERBICIDE RATES IN RR-SOYS AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMATA	IPOHE	ABUTH
		RATE	UNIT		CON % 07/27/02	CON % 07/27/02	CON % 07/27/02	CON % 07/27/02
17A	FIRSTRATE 84WG	0.0315	LAA 9		85	94	57	99
	B»RNDUP ULTRA MA	0.75	LAA 12					
	C AM. SULFATE	8.50	PMG 12					
18A	PYTHON 80WG	0.025	LAA 9		93	94	57	90
	B SENCOR 75WG	0.14	LAA 9					
	C»RNDUP ULTRA MA	0.75	LAA 12					
	D AM. SULFATE	8.50	PMG 12					
19A	PYTHON 80WG	0.05	LAA 9		88	99	50	93
	B SENCOR 75WG	0.28	LAA 9					
	C»RNDUP ULTRA MA	0.75	LAA 12					
	D AM. SULFATE	8.50	PMG 12					
20A	OUTLOOK 6EC	0.26	LAA 9		87	99	50	99
	B»RNDUP ULTRA MA	0.75	LAA 12					
	C AM. SULFATE	8.50	PMG 12					
21A	OUTLOOK 6EC	0.51	LAA 9		93	99	40	93
	B»RNDUP ULTRA MA	0.75	LAA 12					
	C AM. SULFATE	8.50	PMG 12					
22A	HAND WEDED	0.00	NA 0		99	99	99	99
23A	CANOPY 75WG	0.28	LAA 9		85	99	72	99
	B»RNDUP ULTRA MA	0.75	LAA 12					
	C AM. SULFATE	8.50	PMG 12					
24A	RNDUP ULTRA MA	0.75	LAA 12		90	93	47	93
	B AM. SULFATE	8.50	PMG 12					
LSD (0.05)					7.35	5.93	20.78	5.85
STANDARD DEVIATION					3.68	3.00	10.39	2.92

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 06/01/2002 (1)
 12 = ----- / POST 07/03/2002 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	GLXMA	CON %	07/05/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	07/05/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMATA	CON %	07/05/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	07/05/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	IPOHE	CON %	07/05/2002	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	GLXMA	CON %	07/27/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	SETFA	CON %	07/27/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	AMATA	CON %	07/27/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	IPOHE	CON %	07/27/2002	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	ABUTH	CON %	07/27/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = FS 2906RR