

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE:
 PLOT WIDTH: 10 X 36 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	14	
TYPE	LIQMXSPR	NA/NONE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/11/00	06/08/00	06/13/00	06/23/00	AME
AIR TEMPERATURE	74	77	81	85	F
% REL.HUMIDITY	75	60	85	70	
WIND DIRECTION	SOUTH	SOUTHWEST	SOUTHWEST	SOUTH	
WIND SPEED	15.0	5.0	5.0	2.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLEAR	CLEAR	
DEW	---	NO	MOIST	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT		---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/11	---/12	---/15	
ASGROW 3302RR/ST		4.00/4.00	6.00/6.00	10.0/10.0	IN
05/11/2000					
*** PEST ***					
LAMBSQUARTERS, C		---/15	---/18	---/19	
		1.00/1.00	3.00/3.00	5.00/5.00	IN
MORNINGGLORY, TA		---/11	---/15	---/19	
		1.00/1.00	3.00/3.00	5.00/5.00	IN
FOXTAIL, GIANT		---/11	---/12	---/13	
		2.00/2.00	6.00/6.00	6.00/6.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST
 12 = ----- / POST
 14 = ----- / VLPOST

* STAGE CODE

11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE
 13 = 3 LEAVES UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: RRSMON WEED CONTROL AND YIELD IN RRSOY SYSTEMS C-500
CREATED: 04/17/2000 **REVISED:** 11/09/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 36.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	PHBPU	GLXMA	SETFA
		RATE	UNIT		07/06/00	07/06/00	07/06/00	07/06/00	07/31/00	07/31/00
1A	ROUNDUP ULTRA	0.75	LAA	12	0	89	91	83	0	91
B	AM. SULFATE	8.50	PMG	12						
2A»	RNDUP ULTRA MA	0.75	LAA	12	0	92	91	80	0	90
B	AM. SULFATE	8.50	PMG	12						
3A	ROUNDUP ULTRA	0.75	LAA	12	0	96	95	89	0	97
B	AM. SULFATE	8.50	PMG	12						
C	ROUNDUP ULTRA	0.75	LAA	14						
D	AM. SULFATE	8.50	PMG	14						
4A	MICRO-TECH	2.00	LAA	9	0	91	97	86	0	88
B	ROUNDUP ULTRA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
5A	PROWL 3.3EC	0.93	LAA	9	0	90	90	85	1	84
B	ROUNDUP ULTRA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
6A»	FIRSTRATE 84WG	0.016	LAA	9	0	90	99	86	0	91
B	ROUNDUP ULTRA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	FIRSTRATE 84WG	0.031	LAA	9	0	90	99	90	0	90
B	ROUNDUP ULTRA	0.75	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
9A»	FIRSTRATE 84WG	0.031	LAA	12	0	93	97	88	0	92
B	ROUNDUP 3SL	0.56	LAA	12						
C»	ACTIVATOR 90	0.50	PMV	12						
D	AM. SULFATE	8.50	PMG	12						
10A»	EXTREME 2.17L	0.814	LAA	11	4	93	92	83	3	94
B»	ACTIVATOR 90	0.125	PMV	11						
C	AM. SULFATE	8.50	PMG	11						
11A	PROWL 3.3EC	0.93	LAA	9	11	99	99	86	3	97
B»	EXTREME 2.17L	0.814	LAA	12						
C»	ACTIVATOR 90	0.125	PMV	12						
D	AM. SULFATE	8.50	PMG	12						
12A»	BOUNDARY 7.8L	1.22	LAA	9	0	89	95	79	0	90
B	ROUNDUP 3SL	0.56	LAA	12						
C»	ACTIVATOR 90	0.50	PMV	12						
13A»	DOMAIN 60DF	0.375	LAA	9	0	89	92	78	0	94
B	ROUNDUP 3SL	0.56	LAA	12						
C»	ACTIVATOR 90	0.50	PMV	12						
14A	CANOPY 75WG	0.14	LAA	9	0	89	99	81	0	88
B	ROUNDUP 3SL	0.56	LAA	12						
C»	ACTIVATOR 90	0.50	PMV	12						
15A»	CANOPY XL 56.3	0.12	LAA	0	0	90	97	84	2	90
B»	AUTHORITY	0.10	LAA	9						
C	CLASSIC 25WG	0.02	LAA	9						
D	ROUNDUP 3SL	0.56	LAA	12						
E»	ACTIVATOR 90	0.50	PMV	12						
16A»	BOUNDARY 7.8L	1.22	LAA	9	0	91	92	80	0	93
B»	TOUCHDN IQ 3AE	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
17A»	DOMAIN 60DF	0.375	LAA	9	0	90	94	78	0	91
B»	TOUCHDN IQ 3AE	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						

TITLE: RRSMON WEED CONTROL AND YIELD IN RRSOY SYSTEMS C-500

TRT TREATMENT NUM COMPONENT	DOSAGE			GLXMA	SETFA	CHEAL	PHBPU	GLXMA	SETFA
	RATE	UNIT	TM	07/06/00	07/06/00	07/06/00	07/06/00	07/31/00	07/31/00
18A»HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
	LSD (0.05)			1.21	3.53	5.56	5.37	1.58	5.31
	STANDARD DEVIATION			0.606	1.77	2.78	2.69	0.791	2.66

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CREATED: 04/17/2000 **REVISED:** 11/09/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 36.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	PHBPU	YIELD
		RATE	UNIT		07/31/00	07/31/00	10/11/00
1A	ROUNDUP ULTRA	0.75	LAA	12	99	84	51.0
B	AM. SULFATE	8.50	PMG	12			
2A»	RNDUP ULTRA MA	0.75	LAA	12	99	85	54.1
B	AM. SULFATE	8.50	PMG	12			
3A	ROUNDUP ULTRA	0.75	LAA	12	99	85	54.8
B	AM. SULFATE	8.50	PMG	12			
C	ROUNDUP ULTRA	0.75	LAA	14			
D	AM. SULFATE	8.50	PMG	14			
4A	MICRO-TECH	2.00	LAA	9	99	85	54.7
B	ROUNDUP ULTRA	0.75	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
5A	PROWL 3.3EC	0.93	LAA	9	99	86	52.5
B	ROUNDUP ULTRA	0.75	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
6A»	FIRSTRATE 84WG	0.016	LAA	9	99	89	52.9
B	ROUNDUP ULTRA	0.75	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
7A	CHECK	0.00	NA	0	0	0	26.5
8A»	FIRSTRATE 84WG	0.031	LAA	9	99	93	52.6
B	ROUNDUP ULTRA	0.75	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
9A»	FIRSTRATE 84WG	0.031	LAA	12	99	86	52.0
B	ROUNDUP 3SL	0.56	LAA	12			
C»	ACTIVATOR 90	0.50	PMV	12			
D	AM. SULFATE	8.50	PMG	12			
10A»	EXTREME 2.17L	0.814	LAA	11	96	83	51.0
B»	ACTIVATOR 90	0.125	PMV	11			
C	AM. SULFATE	8.50	PMG	11			
11A	PROWL 3.3EC	0.93	LAA	9	99	90	47.6
B»	EXTREME 2.17L	0.814	LAA	12			
C»	ACTIVATOR 90	0.125	PMV	12			
D	AM. SULFATE	8.50	PMG	12			
12A»	BOUNDARY 7.8L	1.22	LAA	9	99	83	52.4
B	ROUNDUP 3SL	0.56	LAA	12			
C»	ACTIVATOR 90	0.50	PMV	12			
13A»	DOMAIN 60DF	0.375	LAA	9	99	81	54.1
B	ROUNDUP 3SL	0.56	LAA	12			
C»	ACTIVATOR 90	0.50	PMV	12			
14A	CANOPY 75WG	0.14	LAA	9	99	85	53.8
B	ROUNDUP 3SL	0.56	LAA	12			
C»	ACTIVATOR 90	0.50	PMV	12			
15A»	CANOPY XL 56.3	0.12	LAA	0	99	91	55.6
B»	AUTHORITY	0.10	LAA	9			
C	CLASSIC 25WG	0.02	LAA	9			
D	ROUNDUP 3SL	0.56	LAA	12			
E»	ACTIVATOR 90	0.50	PMV	12			
16A»	BOUNDARY 7.8L	1.22	LAA	9	99	84	54.6
B»	TOUCHDN IQ 3AE	0.56	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
17A»	DOMAIN 60DF	0.375	LAA	9	99	81	54.3
B»	TOUCHDN IQ 3AE	0.56	LAA	12			
C	AM. SULFATE	8.50	PMG	12			

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TRT TREATMENT NUM COMPONENT	DOSAGE			CHEAL	PHBPU	YIELD
	RATE	UNIT	TM	07/31/00	07/31/00	10/11/00
18A»HAND WEEDED	0.00	NA	0	99	99	51.4
	LSD (0.05)			2.33	5.43	4.62
	STANDARD DEVIATION			1.17	2.71	2.31

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/11/2000 (1)
- 11 = ----- / EPOST 06/08/2000 (2)
- 12 = ----- / POST 06/13/2000 (3)
- 14 = ----- / VLPOST 06/23/2000 (4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA		07/06/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		07/06/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL		07/06/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU		07/06/2000	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA		07/31/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA		07/31/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	CHEAL		07/31/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU		07/31/2000	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	YIELD	BU/A	10/11/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3302RR/STS