

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE:
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/26/00	05/22/00	06/01/00	06/06/00	AME
AIR TEMPERATURE	70	72	85	63	F
% REL. HUMIDITY	30	85	80	55	
WIND DIRECTION	NORTHWEST	SOUTHWEST	SOUTHWEST	NORTH	
WIND SPEED	5.0	3.0	5.0	3.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	CLEAR	
DEW	---	MOIST	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	MOIST/MOI	
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	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 ***					
CORN, DENT		---/12	---/14	---/15	
ASGROW RX770RR		5.00/5.00	15.0/15.0	18.0/18.0	IN
04/26/2000					
*** PEST ***					
VELVETLEAF		---/11	---/13	---/15	
		1.00/1.00	2.00/2.00	4.00/4.00	IN
PIGWEEED, SMOOTH		---/12	---/15	---/19	
		1.00/1.00	3.00/3.00	5.00/5.00	IN
LAMBSQUARTERS, C		---/13	---/19	---/19	
		1.00/1.00	3.00/3.00	6.00/6.00	IN
JIMSONWEED		---/11	---/14	---/16	
		1.00/1.00	3.00/3.00	4.00/4.00	IN
MORNINGGLORY, TA		---/10	---/12	---/16	
		1.00/1.00	1.00/1.00	2.00/2.00	IN
FOXTAIL, GIANT		---/11	---/12	---/13	
		1.00/1.00	4.00/4.00	7.00/7.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CMETORR METO-S SYSTEMS FOR WEED CONTROL IN RRCORN AS-100
CREATED: 04/12/2000 **REVISED:** 11/03/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	CHEAL	PHBPU	DATST	ABUTH	SETFA
		RATE	UNIT		06/15/00	06/15/00	06/15/00	06/15/00	06/15/00	06/15/00
1A	DUAL II MAGNUM	0.95	LAA	9	0	0	0	91	13	92
2A	DUAL II MAGNUM	1.43	LAA	9	0	17	0	88	23	92
3A	DUAL II MAGNUM	1.91	LAA	9	0	18	0	93	30	94
4A	DUAL II MAGNUM	0.95	LAA	9	0	92	67	96	91	92
	B ROUNDUP ULTRA	0.56	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
5A	DUAL II MAGNUM	1.43	LAA	9	0	92	62	98	92	96
	B ROUNDUP ULTRA	0.56	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DUAL II MAGNUM	1.91	LAA	9	0	90	70	97	90	93
	B ROUNDUP ULTRA	0.56	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
8A	DUAL II MAGNUM	0.95	LAA	9	0	97	87	96	95	98
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
9A	DUAL II MAGNUM	1.43	LAA	9	0	99	90	99	97	99
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
10A	DUAL II MAGNUM	1.91	LAA	9	0	99	91	96	94	99
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
11A	DUAL II MAGNUM	0.95	LAA	9	0	97	65	98	95	95
	B ROUNDUP ULTRA	0.56	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
12A	DUAL II MAGNUM	1.43	LAA	9	0	99	66	99	95	99
	B ROUNDUP ULTRA	0.56	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
13A	DUAL II MAGNUM	1.91	LAA	9	0	95	71	98	96	99
	B ROUNDUP ULTRA	0.56	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
14A	ROUNDUP ULTRA	0.56	LAA	11	0	86	63	92	86	86
	B AM. SULFATE	8.50	PMG	11						
15A	ROUNDUP ULTRA	0.56	LAA	12	0	96	84	98	95	90
	B AM. SULFATE	8.50	PMG	12						
16A	ROUNDUP ULTRA	0.56	LAA	13	0	89	65	98	93	99
	B AM. SULFATE	8.50	PMG	13						
17A	ROUNDUP ULTRA	0.56	LAA	11	0	98	80	99	95	96
	B AM. SULFATE	8.50	PMG	11						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
18A	DUAL II MAGNUM	0.95	LAA	9	0	99	95	99	90	90
	B»SPIRIT 57WG	0.036	LAA	12						
	C ATRAZINE DF	0.75	LAA	12						
	D»COC	1.25	PMV	12						
	E AM. SULFATE	8.50	PMG	12						
19A	DUAL II MAGNUM	1.43	LAA	9	0	99	93	99	89	97
	B»SPIRIT 57WG	0.036	LAA	12						
	C ATRAZINE DF	0.75	LAA	12						
	D»COC	1.25	PMV	12						
	E AM. SULFATE	8.50	PMG	12						

TITLE: CMETORR METO-S SYSTEMS FOR WEED CONTROL IN RRCORN AS-100

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	CHEAL	PHBPU	DATST	ABUTH	SETFA
	RATE	UNIT		06/15/00	06/15/00	06/15/00	06/15/00	06/15/00	06/15/00
20A»DUAL II MAGNUM	1.91	LAA	9	0	99	95	99	93	98
B»SPIRIT 57WG	0.036	LAA	12						
C ATRAZINE DF	0.75	LAA	12						
D»COC	1.25	PMV	12						
E AM. SULFATE	8.50	PMG	12						
	LSD (0.05)			0.00	7.87	6.17	4.90	8.16	6.55
	STANDARD DEVIATION			0.00	3.90	3.05	2.42	4.00	3.24

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LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMACH	ZEAMD	CHEAL	PHBPU	DATST	ABUTH
		RATE	UNIT		06/15/00	07/01/00	07/01/00	07/01/00	07/01/00	07/01/00
1A»	DUAL II MAGNUM	0.95	LAA 9	98	0	0	0	90	7	
2A»	DUAL II MAGNUM	1.43	LAA 9	99	0	15	0	88	17	
3A»	DUAL II MAGNUM	1.91	LAA 9	98	0	15	0	93	27	
4A»	DUAL II MAGNUM	0.95	LAA 9	98	0	92	58	96	92	
	B ROUNDUP ULTRA	0.56	LAA 11							
	C AM. SULFATE	8.50	PMG 11							
5A»	DUAL II MAGNUM	1.43	LAA 9	99	0	92	57	95	90	
	B ROUNDUP ULTRA	0.56	LAA 11							
	C AM. SULFATE	8.50	PMG 11							
6A	CHECK	0.00	NA 0	0	0	0	0	0	0	
7A»	DUAL II MAGNUM	1.91	LAA 9	98	0	88	65	96	87	
	B ROUNDUP ULTRA	0.56	LAA 11							
	C AM. SULFATE	8.50	PMG 11							
8A»	DUAL II MAGNUM	0.95	LAA 9	99	0	95	83	95	93	
	B ROUNDUP ULTRA	0.56	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
9A»	DUAL II MAGNUM	1.43	LAA 9	99	0	95	87	99	98	
	B ROUNDUP ULTRA	0.56	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
10A»	DUAL II MAGNUM	1.91	LAA 9	99	0	95	88	93	92	
	B ROUNDUP ULTRA	0.56	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
11A»	DUAL II MAGNUM	0.95	LAA 9	99	0	93	62	98	93	
	B ROUNDUP ULTRA	0.56	LAA 13							
	C AM. SULFATE	8.50	PMG 13							
12A»	DUAL II MAGNUM	1.43	LAA 9	99	0	95	58	95	92	
	B ROUNDUP ULTRA	0.56	LAA 13							
	C AM. SULFATE	8.50	PMG 13							
13A»	DUAL II MAGNUM	1.91	LAA 9	99	0	93	70	95	95	
	B ROUNDUP ULTRA	0.56	LAA 13							
	C AM. SULFATE	8.50	PMG 13							
14A	ROUNDUP ULTRA	0.56	LAA 11	90	0	75	60	92	77	
	B AM. SULFATE	8.50	PMG 11							
15A	ROUNDUP ULTRA	0.56	LAA 12	99	0	90	80	95	95	
	B AM. SULFATE	8.50	PMG 12							
16A	ROUNDUP ULTRA	0.56	LAA 13	99	0	90	62	98	93	
	B AM. SULFATE	8.50	PMG 13							
17A	ROUNDUP ULTRA	0.56	LAA 11	99	0	96	80	98	92	
	B AM. SULFATE	8.50	PMG 11							
	C ROUNDUP ULTRA	0.56	LAA 13							
	D AM. SULFATE	8.50	PMG 13							
18A»	DUAL II MAGNUM	0.95	LAA 9	99	0	98	91	95	90	
	B»SPIRIT 57WG	0.036	LAA 12							
	C ATRAZINE DF	0.75	LAA 12							
	D»COC	1.25	PMV 12							
	E AM. SULFATE	8.50	PMG 12							
19A»	DUAL II MAGNUM	1.43	LAA 9	99	0	96	92	99	85	
	B»SPIRIT 57WG	0.036	LAA 12							
	C ATRAZINE DF	0.75	LAA 12							
	D»COC	1.25	PMV 12							
	E AM. SULFATE	8.50	PMG 12							

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TRT TREATMENT NUM COMPONENT	DOSAGE		AMACH	ZEAMD	CHEAL	PHBPU	DATST	ABUTH
	RATE	UNIT TM	06/15/00	07/01/00	07/01/00	07/01/00	07/01/00	07/01/00
20A»DUAL II MAGNUM	1.91	LAA 9	99	0	99	95	98	90
B»SPIRIT 57WG	0.036	LAA 12						
C ATRAZINE DF	0.75	LAA 12						
D»COC	1.25	PMV 12						
E AM. SULFATE	8.50	PMG 12						
	LSD (0.05)		1.67	0.00	5.71	6.00	4.61	8.50
	STANDARD DEVIATION		0.826	0.00	2.82	3.00	2.28	4.21

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LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMACH	YIELD
		RATE	UNIT		07/01/00	07/01/00	09/21/00
1A»	DUAL II MAGNUM	0.95	LAA	9	87	93	156.8
2A»	DUAL II MAGNUM	1.43	LAA	9	90	95	142.9
3A»	DUAL II MAGNUM	1.91	LAA	9	90	95	148.1
4A»	DUAL II MAGNUM	0.95	LAA	9	87	93	157.9
	B ROUNDUP ULTRA	0.56	LAA	11			
	C AM. SULFATE	8.50	PMG	11			
5A»	DUAL II MAGNUM	1.43	LAA	9	92	95	159.6
	B ROUNDUP ULTRA	0.56	LAA	11			
	C AM. SULFATE	8.50	PMG	11			
6A	CHECK	0.00	NA	0	0	0	157.6
7A»	DUAL II MAGNUM	1.91	LAA	9	93	96	166.4
	B ROUNDUP ULTRA	0.56	LAA	11			
	C AM. SULFATE	8.50	PMG	11			
8A»	DUAL II MAGNUM	0.95	LAA	9	96	96	160.7
	B ROUNDUP ULTRA	0.56	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
9A»	DUAL II MAGNUM	1.43	LAA	9	99	98	185.2
	B ROUNDUP ULTRA	0.56	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
10A»	DUAL II MAGNUM	1.91	LAA	9	96	96	160.4
	B ROUNDUP ULTRA	0.56	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
11A»	DUAL II MAGNUM	0.95	LAA	9	92	96	172.9
	B ROUNDUP ULTRA	0.56	LAA	13			
	C AM. SULFATE	8.50	PMG	13			
12A»	DUAL II MAGNUM	1.43	LAA	9	99	99	181.7
	B ROUNDUP ULTRA	0.56	LAA	13			
	C AM. SULFATE	8.50	PMG	13			
13A»	DUAL II MAGNUM	1.91	LAA	9	99	99	165.5
	B ROUNDUP ULTRA	0.56	LAA	13			
	C AM. SULFATE	8.50	PMG	13			
14A	ROUNDUP ULTRA	0.56	LAA	11	78	82	170.3
	B AM. SULFATE	8.50	PMG	11			
15A	ROUNDUP ULTRA	0.56	LAA	12	87	95	171.2
	B AM. SULFATE	8.50	PMG	12			
16A	ROUNDUP ULTRA	0.56	LAA	13	99	99	183.8
	B AM. SULFATE	8.50	PMG	13			
17A	ROUNDUP ULTRA	0.56	LAA	11	95	95	163.9
	B AM. SULFATE	8.50	PMG	11			
	C ROUNDUP ULTRA	0.56	LAA	13			
	D AM. SULFATE	8.50	PMG	13			
18A»	DUAL II MAGNUM	0.95	LAA	9	87	95	171.9
	B»SPIRIT 57WG	0.036	LAA	12			
	C ATRAZINE DF	0.75	LAA	12			
	D»COC	1.25	PMV	12			
	E AM. SULFATE	8.50	PMG	12			
19A»	DUAL II MAGNUM	1.43	LAA	9	93	99	175.9
	B»SPIRIT 57WG	0.036	LAA	12			
	C ATRAZINE DF	0.75	LAA	12			
	D»COC	1.25	PMV	12			
	E AM. SULFATE	8.50	PMG	12			

TITLE: CMETORR METO-S SYSTEMS FOR WEED CONTROL IN RRCORN AS-100

TRT TREATMENT NUM COMPONENT	DOSAGE		SETFA	AMACH	YIELD	
	RATE	UNIT	TM 07/01/00	07/01/00	BU/A 09/21/00	
20A»DUAL II MAGNUM	1.91	LAA	9	95	96	171.9
B»SPIRIT 57WG	0.036	LAA	12			
C ATRAZINE DF	0.75	LAA	12			
D»COC	1.25	PMV	12			
E AM. SULFATE	8.50	PMG	12			
	LSD (0.05)			7.90	3.30	21.13
	STANDARD DEVIATION			3.91	1.63	10.46

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 04/26/2000 (1)
- 11 = ----- / EPOST 05/22/2000 (2)
- 12 = ----- / POST 06/01/2000 (3)
- 13 = ----- / LPOST 06/06/2000 (4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD		06/15/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	CHEAL		06/15/2000	02	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU		06/15/2000	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	DATST		06/15/2000	04	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH		06/15/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA		06/15/2000	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMACH		06/15/2000	07	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD		07/01/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL		07/01/2000	02	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU		07/01/2000	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	DATST		07/01/2000	04	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH		07/01/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA		07/01/2000	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMACH		07/01/2000	07	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	YIELD	BU/A	09/21/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW RX770RR