

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: 4

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	73	85	63	F
% REL.HUMIDITY	30	85	80	55	
WIND DIRECTION	NORTHWEST	SOUTHWEST	SOUTHWEST	NORTH	
WIND SPEED	5.0	5.0	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	40.00	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 ***					
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		---/10	---/12	---/14	
		1.00/1.00	3.00/3.00	4.00/4.00	IN
MORNINGGLORY, TA		---/11	---/15	---/19	
		1.00/1.00	2.00/2.00	5.00/5.00	IN
FOXTAIL, GIANT		---/11	---/12	---/13	
		2.00/2.00	3.00/3.00	6.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

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

TITLE: CMONRR WEED CONTROL IN ROUNDUP READY CORN AS-100
CREATED: 04/12/2000 **REVISED:** 01/31/2001 **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:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD 06/19/00	SETFA 06/19/00	PHBPU 06/19/00	ABUTH 06/19/00	ZEAMD 07/06/00	SETFA 07/06/00
		RATE	UNIT							
1A	ROUNDUP ULTRA	0.92	KAH 11		0	76	73	89	0	75
B	AM. SULFATE	8.50	PMG 11							
2A	ROUNDUP ULTRA	0.84	KAH 11		1	90	89	95	0	90
B	AM. SULFATE	8.50	PMG 11							
C	ROUNDUP ULTRA	0.56	LAA 13							
D	AM. SULFATE	8.50	PMG 13							
3A	HARNESS (7EC)	1.00	LAA 9		1	90	92	95	0	91
B	ROUNDUP ULTRA	0.75	LAA 12							
C	AM. SULFATE	8.50	PMG 12							
4A	HARNESS XTRA	1.75	LAA 9		1	88	92	94	0	83
B	ROUNDUP ULTRA	0.75	LAA 12							
C	AM. SULFATE	8.50	PMG 12							
5A	HARNESS (7EC)	1.30	LAA 11		0	96	79	90	0	98
B	ROUNDUP ULTRA	0.75	LAA 11							
C	AM. SULFATE	8.50	PMG 11							
6A	CHECK	0.00	NA 0		0	0	0	0	0	0
7A	HARNESS XTRA	2.24	LAA 11		4	98	92	91	0	97
B	ROUNDUP ULTRA	0.75	LAA 11							
C	AM. SULFATE	8.50	PMG 11							
8A»	MON78045 4L	2.00	LAA 11		1	81	90	90	0	79
B	AM. SULFATE	8.50	PMG 11							
9A»	MON 69423 5SC	3.38	LAA 11		0	93	91	91	0	93
B	AM. SULFATE	8.50	PMG 11							
10A»	DUAL II MAGNUM	1.91	LAA 9		2	96	91	95	0	97
B	MARKSMAN SC	1.40	LAA 11							
11A»	BICEP II MAGNU	3.57	LAA 9		0	90	89	89	0	93
12A»	BASIS GOLD 90D	0.79	LAA 11		4	85	89	91	0	83
B»	COC	1.25	PMV 11							
C	28% UAN	5.00	PMV 11							
13A	ACCENT 75WG	0.031	LAA 11		3	89	89	93	0	88
B»	DISTINCT 70WG	0.263	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	28% UAN	5.00	PMV 11							
14A	HARNESS (7EC)	1.30	LAA 9		1	94	88	94	0	96
B	ROUNDUP ULTRA	0.56	LAA 12							
C	AM. SULFATE	8.50	PMG 12							
15A	HARNESS (7EC)	1.30	LAA 9		1	94	89	99	0	93
B	ROUNDUP ULTRA	0.56	LAA 12							
C»	HORNET 68.5WG	0.128	LAA 12							
D	AM. SULFATE	8.50	PMG 12							
16A	ROUNDUP ULTRA	0.56	LAA 12		1	91	85	97	0	89
B	AM. SULFATE	8.50	PMG 12							
17A	ROUNDUP ULTRA	0.56	LAA 12		2	90	89	98	0	88
B»	HORNET 68.5WG	0.128	LAA 12							
C	AM. SULFATE	8.50	PMG 12							
18A»	FULTIME 4SC	2.70	LAA 11		3	92	90	98	0	98
B»	TOUCHDN IQ 3AE	0.75	LAA 11							
C	AM. SULFATE	8.50	PMG 11							
19A»	FULTIME 4SC	3.30	LAA 11		2	99	93	93	0	99
B»	TOUCHDN IQ 3AE	0.75	LAA 11							
C	AM. SULFATE	8.50	PMG 11							

TITLE: CMONRR WEED CONTROL IN ROUNDUP READY CORN AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD 06/19/00	SETFA 06/19/00	PHBPU 06/19/00	ABUTH 06/19/00	ZEAMD 07/06/00	SETFA 07/06/00
		RATE	UNIT							
20A»	FULTIME 4SC	2.70	LAA 9		1	94	89	90	0	94
B»	TOUCHDN IQ 3AE	0.75	LAA 11							
C	AM. SULFATE	8.50	PMG 11							
21A»	FIELDMASTER 4.	4.25	LAA 11		5	99	94	96	0	99
B	AM. SULFATE	8.50	PMG 11							
			LSD (0.05)		1.86	3.76	4.77	4.11	0.00	5.00
			STANDARD DEVIATION		0.93	1.88	2.38	2.05	0.00	2.51

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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:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU 07/06/00	ABUTH 07/06/00	YIELD BU/A 09/20/00
		RATE	UNIT				
1A	ROUNDUP ULTRA	0.92	KAH 11		79	97	150.4
B	AM. SULFATE	8.50	PMG 11				
2A	ROUNDUP ULTRA	0.84	KAH 11		89	99	153.4
B	AM. SULFATE	8.50	PMG 11				
C	ROUNDUP ULTRA	0.56	LAA 13				
D	AM. SULFATE	8.50	PMG 13				
3A	HARNESS (7EC)	1.00	LAA 9		93	99	155.6
B	ROUNDUP ULTRA	0.75	LAA 12				
C	AM. SULFATE	8.50	PMG 12				
4A	HARNESS XTRA	1.75	LAA 9		99	99	157.8
B	ROUNDUP ULTRA	0.75	LAA 12				
C	AM. SULFATE	8.50	PMG 12				
5A	HARNESS (7EC)	1.30	LAA 11		88	98	152.2
B	ROUNDUP ULTRA	0.75	LAA 11				
C	AM. SULFATE	8.50	PMG 11				
6A	CHECK	0.00	NA 0		0	0	151.1
7A	HARNESS XTRA	2.24	LAA 11		97	97	147.8
B	ROUNDUP ULTRA	0.75	LAA 11				
C	AM. SULFATE	8.50	PMG 11				
8A»	MON78045 4L	2.00	LAA 11		98	99	155.0
B	AM. SULFATE	8.50	PMG 11				
9A»	MON 69423 5SC	3.38	LAA 11		97	97	152.4
B	AM. SULFATE	8.50	PMG 11				
10A»	DUAL II MAGNUM	1.91	LAA 9		99	98	136.5
B	MARKSMAN SC	1.40	LAA 11				
11A»	BICEP II MAGNU	3.57	LAA 9		96	97	151.2
12A»	BASIS GOLD 90D	0.79	LAA 11		98	99	140.2
B»	COC	1.25	PMV 11				
C	28% UAN	5.00	PMV 11				
13A	ACCENT 75WG	0.031	LAA 11		96	99	141.9
B»	DISTINCT 70WG	0.263	LAA 11				
C»	ACTIVATOR 90	0.25	PMV 11				
D	28% UAN	5.00	PMV 11				
14A	HARNESS (7EC)	1.30	LAA 9		87	99	157.3
B	ROUNDUP ULTRA	0.56	LAA 12				
C	AM. SULFATE	8.50	PMG 12				
15A	HARNESS (7EC)	1.30	LAA 9		91	99	151.1
B	ROUNDUP ULTRA	0.56	LAA 12				
C»	HORNET 68.5WG	0.128	LAA 12				
D	AM. SULFATE	8.50	PMG 12				
16A	ROUNDUP ULTRA	0.56	LAA 12		88	99	165.6
B	AM. SULFATE	8.50	PMG 12				
17A	ROUNDUP ULTRA	0.56	LAA 12		90	99	162.3
B»	HORNET 68.5WG	0.128	LAA 12				
C	AM. SULFATE	8.50	PMG 12				
18A»	FULTIME 4SC	2.70	LAA 11		98	98	161.7
B»	TOUCHDN IQ 3AE	0.75	LAA 11				
C	AM. SULFATE	8.50	PMG 11				
19A»	FULTIME 4SC	3.30	LAA 11		98	97	162.6
B»	TOUCHDN IQ 3AE	0.75	LAA 11				
C	AM. SULFATE	8.50	PMG 11				

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TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU 07/06/00	ABUTH 07/06/00	YIELD BU/A 09/20/00
		RATE	UNIT				
20A»	FULTIME 4SC	2.70	LAA 9		95	97	159.6
	B»TOUCHDN IQ 3AE	0.75	LAA 11				
	C AM. SULFATE	8.50	PMG 11				
21A»	FIELDMASTER 4.	4.25	LAA 11		98	99	142.5
	B AM. SULFATE	8.50	PMG 11				
		LSD (0.05)			5.79	2.39	17.60
		STANDARD DEVIATION			2.90	1.19	8.80

» = 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		06/19/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
002	SETFA		06/19/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
003	PHBPU		06/19/2000	03	P	PHBPU		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
004	ABUTH		06/19/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
005	ZEAMD		07/06/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
006	SETFA		07/06/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
007	PHBPU		07/06/2000	03	P	PHBPU		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
008	ABUTH		07/06/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N
009	YIELD	BU/A	09/20/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00	PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW RX770RR