

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 10 X 45 FEET

DESIGN: RCB  
 REPS: 4

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	11	12	13	14	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/26/99	06/17/99	06/21/99	06/29/99	07/02/99	AME
AIR TEMPERATURE	75	64	85	74	87	F
% REL.HUMIDITY	50	65	50	56	66	
WIND DIRECTION	EAST	NORTH	SOUTH	NORTH	SOUTH	
WIND SPEED	2.0	6.0	2.0	4.0	3.0	M/H
CLOUD COVER	CLEAR	CLOUDY	PARTCLDY	PARTCLDY	CLOUDY	
DEW	---	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT						
DENSITY /						
*** CROP ***						
SOYBEAN		---/12	---/14	---/17	---/61	
ASGROW 3001RR		4.00/6.00	7.00/8.00	12.0/14.0	16.0/16.0	IN
05/26/1999						
*** PEST ***						
VELVETLEAF		---/12	---/14	---/16	---/19	
		2.00/3.00	3.00/4.00	4.00/6.00	8.00/12.0	IN
WATERHEMP, COMMO		---/13	---/15	---/18	---/19	
		1.00/2.00	2.00/4.00	4.00/6.00	6.00/9.00	IN
JIMSONWEED		---/11	---/14	---/16	---/19	
		1.00/2.00	2.00/4.00	4.00/6.00	10.0/12.0	IN
MORNINGGLORY, TA		---/14	---/16	---/19	---/19	
		2.00/2.00	3.00/3.00	4.00/8.00	10.0/12.0	IN
FOXTAIL, GIANT		---/12	---/13	---/14	---/15	
		1.00/2.00	4.00/6.00	8.00/9.00	10.0/12.0	IN

\* TIMING CODES

09 = ----- / PRE  
 11 = ----- / EPOST  
 12 = ----- / POST  
 13 = ----- / LPOST  
 14 = ----- / VLPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 61 = 10% OF FLOWERS OPEN (DETERMINATE); BEGINNING OF FLOWERING (INDETERM.)

**TITLE:** SROWSPAC ROW SPACING/WEED COMP IN RR-SOY 7.5"/15"/30" AS-100  
**CREATED:** 05/02/1999 **REVISED:** 11/02/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 45.00 FT LONG **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	PHBPU	ABUTH	AMATA	DATST
		RATE	UNIT		CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»DRILLED	0.00	NA	0						
2A»	WEED FREE	0.00	NA	0	0	99	99	99	99	99
	B»DRILLED	0.00	NA	0						
3A	ROUNDUP ULTRA	0.75	LAA	11	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	11						
	C»DRILLED	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						
4A	ROUNDUP ULTRA	0.75	LAA	12	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	12						
	C»DRILLED	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						
5A	ROUNDUP ULTRA	0.75	LAA	13	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	13						
	C»DRILLED	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						
6A	ROUNDUP ULTRA	0.75	LAA	14	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	14						
	C»DRILLED	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						
7A	ROUNDUP ULTRA	0.75	LAA	11	0	98	96	99	99	99
	B AM. SULFATE	17.00	PMG	11						
	C»DRILLED	0.00	NA	0						
	D»RE-INFEST	0.00	NA	0						
8A	ROUNDUP ULTRA	0.75	LAA	12	0	99	96	99	99	99
	B AM. SULFATE	17.00	PMG	12						
	C»DRILLED	0.00	NA	0						
	D»RE-INFEST	0.00	NA	0						
9A	ROUNDUP ULTRA	0.75	LAA	13	0	99	97	99	99	99
	B AM. SULFATE	17.00	PMG	13						
	C»DRILLED	0.00	NA	0						
	D»RE-INFEST	0.00	NA	0						
10A	ROUNDUP ULTRA	0.75	LAA	14	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	14						
	C»DRILLED	0.00	NA	0						
	D»RE-INFEST	0.00	NA	0						
11A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»15" ROWS	0.00	NA	0						
12A»	WEED FREE	0.00	NA	0	0	99	99	99	99	99
	B»15" ROWS	0.00	NA	0						
13A	ROUNDUP ULTRA	0.75	LAA	11	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	11						
	C»15" ROWS	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						
14A	ROUNDUP ULTRA	0.75	LAA	12	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	12						
	C»15" ROWS	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						
15A	ROUNDUP ULTRA	0.75	LAA	13	0	99	99	99	99	99
	B AM. SULFATE	17.00	PMG	13						
	C»15" ROWS	0.00	NA	0						
	D»WEED FREE	0.00	NA	0						

## TITLE: SROWSPAC ROW SPACING/WEED COMP IN RR-SOY 7.5"/15"/30" AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	PHBPU	ABUTH	AMATA	DATST	
		RATE	UNIT	TM	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	CON % 07/29/99	
16A	ROUNDUP ULTRA	0.75	LAA	14	0	99	99	99	99	99	
	B AM. SULFATE	17.00	PMG	14							
	C»15" ROWS	0.00	NA	0							
	D»WEED FREE	0.00	NA	0							
17A	ROUNDUP ULTRA	0.75	LAA	11	0	97	95	99	99	99	
	B AM. SULFATE	17.00	PMG	11							
	C»15" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
18A	ROUNDUP ULTRA	0.75	LAA	12	0	99	97	99	99	99	
	B AM. SULFATE	17.00	PMG	12							
	C»15" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
19A	ROUNDUP ULTRA	0.75	LAA	13	0	98	96	99	99	99	
	B AM. SULFATE	17.00	PMG	13							
	C»15" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
20A	ROUNDUP ULTRA	0.75	LAA	14	0	98	98	99	99	99	
	B AM. SULFATE	17.00	PMG	14							
	C»15" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
21A	CHECK	0.00	NA	0	0	0	0	0	0	0	
	B»30" ROWS	0.00	NA	0							
22A»	WEED FREE	0.00	NA	0	0	99	99	99	99	99	
	B»30" ROWS	0.00	NA	0							
23A	ROUNDUP ULTRA	0.75	LAA	11	0	99	99	99	99	99	
	B AM. SULFATE	17.00	PMG	11							
	C»30" ROWS	0.00	NA	0							
	D»WEED FREE	0.00	NA	0							
24A	ROUNDUP ULTRA	0.75	LAA	12	0	99	99	99	99	99	
	B AM. SULFATE	17.00	PMG	12							
	C»30" ROWS	0.00	NA	0							
	D»WEED FREE	0.00	NA	0							
25A	ROUNDUP ULTRA	0.75	LAA	13	0	99	99	99	99	99	
	B AM. SULFATE	17.00	PMG	13							
	C»30" ROWS	0.00	NA	0							
	D»WEED FREE	0.00	NA	0							
26A	ROUNDUP ULTRA	0.75	LAA	14	0	99	99	99	99	99	
	B AM. SULFATE	17.00	PMG	14							
	C»30" ROWS	0.00	NA	0							
	D»WEED FREE	0.00	NA	0							
27A	ROUNDUP ULTRA	0.75	LAA	11	0	92	91	96	99	97	
	B AM. SULFATE	17.00	PMG	11							
	C»30" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
28A	ROUNDUP ULTRA	0.75	LAA	12	0	96	95	99	99	99	
	B AM. SULFATE	17.00	PMG	12							
	C»30" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
29A	ROUNDUP ULTRA	0.75	LAA	13	0	97	90	99	99	99	
	B AM. SULFATE	17.00	PMG	13							
	C»30" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
30A	ROUNDUP ULTRA	0.75	LAA	14	0	97	90	99	99	99	
	B AM. SULFATE	17.00	PMG	14							
	C»30" ROWS	0.00	NA	0							
	D»RE-INFEST	0.00	NA	0							
					LSD (0.05)	0.00	1.78	3.65	1.09	0.00	1.15
					STANDARD DEVIATION	0.00	0.897	1.84	0.552	0.00	0.581

**TITLE:** SROWSPAC ROW SPACING/WEED COMP IN RR-SOY 7.5"/15"/30" AS-100  
**CREATED:** 05/02/1999 **REVISED:** 11/02/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 45.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/15/99
		RATE	UNIT TM	
1A	CHECK	0.00	NA 0	36.7
	B»DRILLED	0.00	NA 0	
2A»	WEED FREE	0.00	NA 0	55.7
	B»DRILLED	0.00	NA 0	
3A	ROUNDUP ULTRA	0.75	LAA 11	54.8
	B AM. SULFATE	17.00	PMG 11	
	C»DRILLED	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	
4A	ROUNDUP ULTRA	0.75	LAA 12	56.4
	B AM. SULFATE	17.00	PMG 12	
	C»DRILLED	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	
5A	ROUNDUP ULTRA	0.75	LAA 13	54.5
	B AM. SULFATE	17.00	PMG 13	
	C»DRILLED	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	
6A	ROUNDUP ULTRA	0.75	LAA 14	52.4
	B AM. SULFATE	17.00	PMG 14	
	C»DRILLED	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	
7A	ROUNDUP ULTRA	0.75	LAA 11	55.7
	B AM. SULFATE	17.00	PMG 11	
	C»DRILLED	0.00	NA 0	
	D»RE-INFEST	0.00	NA 0	
8A	ROUNDUP ULTRA	0.75	LAA 12	55.3
	B AM. SULFATE	17.00	PMG 12	
	C»DRILLED	0.00	NA 0	
	D»RE-INFEST	0.00	NA 0	
9A	ROUNDUP ULTRA	0.75	LAA 13	54.0
	B AM. SULFATE	17.00	PMG 13	
	C»DRILLED	0.00	NA 0	
	D»RE-INFEST	0.00	NA 0	
10A	ROUNDUP ULTRA	0.75	LAA 14	53.7
	B AM. SULFATE	17.00	PMG 14	
	C»DRILLED	0.00	NA 0	
	D»RE-INFEST	0.00	NA 0	
11A	CHECK	0.00	NA 0	36.1
	B»15" ROWS	0.00	NA 0	
12A»	WEED FREE	0.00	NA 0	53.7
	B»15" ROWS	0.00	NA 0	
13A	ROUNDUP ULTRA	0.75	LAA 11	56.1
	B AM. SULFATE	17.00	PMG 11	
	C»15" ROWS	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	
14A	ROUNDUP ULTRA	0.75	LAA 12	58.4
	B AM. SULFATE	17.00	PMG 12	
	C»15" ROWS	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	
15A	ROUNDUP ULTRA	0.75	LAA 13	54.5
	B AM. SULFATE	17.00	PMG 13	
	C»15" ROWS	0.00	NA 0	
	D»WEED FREE	0.00	NA 0	

## TITLE: SROWSPAC ROW SPACING/WEED COMP IN RR-SOY 7.5"/15"/30" AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE			YIELD BU/A 10/15/99
		RATE	UNIT	TM	
16A	ROUNDUP ULTRA	0.75	LAA	14	54.0
	B AM. SULFATE	17.00	PMG	14	
	C»15" ROWS	0.00	NA	0	
	D»WEED FREE	0.00	NA	0	
17A	ROUNDUP ULTRA	0.75	LAA	11	56.6
	B AM. SULFATE	17.00	PMG	11	
	C»15" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
18A	ROUNDUP ULTRA	0.75	LAA	12	54.6
	B AM. SULFATE	17.00	PMG	12	
	C»15" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
19A	ROUNDUP ULTRA	0.75	LAA	13	57.8
	B AM. SULFATE	17.00	PMG	13	
	C»15" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
20A	ROUNDUP ULTRA	0.75	LAA	14	56.6
	B AM. SULFATE	17.00	PMG	14	
	C»15" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
21A	CHECK	0.00	NA	0	27.2
	B»30" ROWS	0.00	NA	0	
22A»	WEED FREE	0.00	NA	0	52.3
	B»30" ROWS	0.00	NA	0	
23A	ROUNDUP ULTRA	0.75	LAA	11	51.7
	B AM. SULFATE	17.00	PMG	11	
	C»30" ROWS	0.00	NA	0	
	D»WEED FREE	0.00	NA	0	
24A	ROUNDUP ULTRA	0.75	LAA	12	55.3
	B AM. SULFATE	17.00	PMG	12	
	C»30" ROWS	0.00	NA	0	
	D»WEED FREE	0.00	NA	0	
25A	ROUNDUP ULTRA	0.75	LAA	13	55.7
	B AM. SULFATE	17.00	PMG	13	
	C»30" ROWS	0.00	NA	0	
	D»WEED FREE	0.00	NA	0	
26A	ROUNDUP ULTRA	0.75	LAA	14	52.3
	B AM. SULFATE	17.00	PMG	14	
	C»30" ROWS	0.00	NA	0	
	D»WEED FREE	0.00	NA	0	
27A	ROUNDUP ULTRA	0.75	LAA	11	53.8
	B AM. SULFATE	17.00	PMG	11	
	C»30" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
28A	ROUNDUP ULTRA	0.75	LAA	12	54.8
	B AM. SULFATE	17.00	PMG	12	
	C»30" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
29A	ROUNDUP ULTRA	0.75	LAA	13	53.9
	B AM. SULFATE	17.00	PMG	13	
	C»30" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
30A	ROUNDUP ULTRA	0.75	LAA	14	52.0
	B AM. SULFATE	17.00	PMG	14	
	C»30" ROWS	0.00	NA	0	
	D»RE-INFEST	0.00	NA	0	
		LSD (0.05)			5.27
		STANDARD DEVIATION			2.66

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 11 = ----- / EPOST 06/17/1999(2)  
 12 = ----- / POST 06/21/1999(3)  
 13 = ----- / LPOST 06/29/1999(4)  
 14 = ----- / VLPOST 07/02/1999(5)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	GLXMA	CON %	07/29/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/29/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	07/29/1999	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	07/29/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/29/1999	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	DATST	CON %	07/29/1999	06	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	YIELD	BU/A	10/15/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3001RR