

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	UNIT
TIMINGS	11	12	13	14	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/15/00	06/22/00	06/26/00	06/30/00	AME
AIR TEMPERATURE	80	80	74	73	F
% REL. HUMIDITY	49	61	85	56	
WIND DIRECTION	SOUTHWEST	WEST	WEST	SOUTHWEST	
WIND SPEED	10.0	6.0	10.0	1.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLOUDY	CLEAR	
DEW	NO	MOIST	MOIST	NO	
SOIL MOISTURE	MOIST/MOI	WET/MOIST	WET/MOIST	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	---/12	---/14	---/15	---/16	
PIONEER 93B53RR	3.00/3.00	5.00/5.00	7.00/7.00	9.00/9.00	IN
05/25/2000					
*** PEST ***					
PIGWEEED, SMOOTH	---/15	---/18	---/19	---/19	
	2.00/2.00	5.00/5.00	8.00/8.00	12.0/12.0	IN
WATERHEMP, COMMO	---/12	---/18	---/19	---/19	
	0.50/0.50	4.00/4.00	8.00/8.00	12.0/12.0	IN
LAMBSQUARTERS, C	---/14	---/18	---/19	---/19	
	1.00/1.00	3.00/3.00	6.00/6.00	10.0/10.0	IN
MORNINGGLORY, TA	---/11	---/15	---/19	---/19	
	0.50/0.50	3.00/3.00	6.00/6.00	8.00/8.00	IN
FOXTAIL, GIANT	---/12	---/13	---/14	---/15	
	4.00/4.00	6.00/6.00	8.00/8.00	12.0/12.0	IN

* TIMING CODES

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 = 3 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: SROWSPAC ROW SPACING/WEED COMP IN RR-SOY 7.5"/15"/30" AS-200
CREATED: 04/19/2000 **REVISED:** 10/25/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 45.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMACH	PHBPU	AMATA
		RATE	UNIT		30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00
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	89	86	84	81	80
	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	96	93	88	88	86
	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	94	90	91
	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	93	98	89	97
	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-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMACH	PHBPU	AMATA
		RATE	UNIT		30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00	30 DAT 07/26/00
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	88	83	81	74	77
	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	93	88	86	85	83
	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	95	90	95	89	91
	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	99	97	99	83	95
	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	66	80	75	73	66
	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	89	87	80	78	78
	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	92	93	87	87	83
	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	96	93	92	87	93
	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	2.55	2.63	2.35	3.22	3.00
		STANDARD DEVIATION			0.00	1.29	1.33	1.19	1.63	1.54

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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 10/19/00
		RATE	UNIT	
1A	CHECK	0.00	NA 0	11.4
	B»DRILLED	0.00	NA 0	
2A»	WEED FREE	0.00	NA 0	53.2
	B»DRILLED	0.00	NA 0	
3A	ROUNDUP ULTRA	0.75	LAA 11	56.7
	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	56.8
	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	57.3
	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	54.9
	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	55.9
	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	53.9
	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	53.0
	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	53.2
	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	10.3
	B»15" ROWS	0.00	NA 0	
12A»	WEED FREE	0.00	NA 0	49.9
	B»15" ROWS	0.00	NA 0	
13A	ROUNDUP ULTRA	0.75	LAA 11	50.6
	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	49.1
	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	50.3
	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-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/19/00
		RATE	UNIT TM	
16A	ROUNDUP ULTRA	0.75	LAA 14	51.5
	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	52.8
	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	52.1
	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	48.5
	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	49.8
	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	8.0
	B»30" ROWS	0.00	NA 0	
22A»	WEED FREE	0.00	NA 0	50.1
	B»30" ROWS	0.00	NA 0	
23A	ROUNDUP ULTRA	0.75	LAA 11	46.7
	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	47.4
	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	49.6
	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	47.1
	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	47.7
	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	48.1
	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	49.2
	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	47.8
	B AM. SULFATE	17.00	PMG 14	
	C»30" ROWS	0.00	NA 0	
	D»RE-INFEST	0.00	NA 0	
		LSD (0.05)		5.72
		STANDARD DEVIATION		2.89

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 11 = ----- / EPOST 06/15/2000(1)
 12 = ----- / POST 06/22/2000(2)
 13 = ----- / LPOST 06/26/2000(3)
 14 = ----- / VLPOST 06/30/2000(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	30 DAT	07/26/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	30 DAT	07/26/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	30 DAT	07/26/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMACH	30 DAT	07/26/2000	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	30 DAT	07/26/2000	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	30 DAT	07/26/2000	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	YIELD	BU/A	10/19/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B53RR