

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.0  
 %OM: 6.0  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 29 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/21/99	06/15/99	06/22/99	06/30/99	AME
AIR TEMPERATURE	73	71	73	73	F
% REL.HUMIDITY	47	45	84	67	
WIND DIRECTION	SOUTHWEST	NORTH	SOUTH	SOUTHWEST	
WIND SPEED	5.0	3.0	2.0	5.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	PARTCLDY	PARTCLDY	
DEW	---	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	WET/MOIST	DRY/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	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	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	---/13	
ASGROW 3601 RR/S		3.00/3.00	4.00/4.00	5.00/5.00	IN
05/21/1999					
*** PEST ***					
VELVETLEAF		---/11	---/13	---/15	
LAMBSQUARTERS, C		1.00/1.00	2.00/3.00	3.00/5.00	IN
FOXTAIL, GIANT		---/12	---/15	---/18	
		0.50/0.50	1.00/2.00	2.00/3.00	IN
		---/12	---/13	---/14	
		0.50/1.00	1.00/3.00	2.00/4.00	IN

\* TIMING CODES

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

\* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** WEED CONTROL IN RRSOY WITH INFLUENCE OF PRE'S SW-1500  
**CREATED:** 04/26/1999 **REVISED:** 09/24/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 29.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	ABUTH	GLXMA	SETFA
		RATE	UNIT		CON % 07/19/99	CON % 07/19/99	CON % 07/19/99	CON % 07/19/99	CON % 08/05/99	CON % 08/05/99
1A	USA 1999 60DF	0.38	LAA	9	0	96	98	99	0	95
	B ROUNDUP ULTRA	0.75	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
2A	FLUFENACET	0.20	LAA	9	0	96	99	99	0	93
	B CANOPY 75WG	0.16	LAA	9						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
3A	AXIOM	0.43	LAA	9	0	99	98	98	0	99
	B ROUNDUP ULTRA	0.75	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
4A	SENCOR 75WG	0.38	LAA	9	0	96	99	99	0	95
	B ROUNDUP ULTRA	0.56	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
5A	ROUNDUP ULTRA	0.75	LAA	13	0	99	93	99	0	99
	B AM. SULFATE	8.50	PMG	13						
6A	ROUNDUP ULTRA	1.00	LAA	12	0	95	93	99	0	95
	B AM. SULFATE	8.50	PMG	12						
7A	ROUNDUP ULTRA	0.56	LAA	12	0	98	95	98	0	99
	B AM. SULFATE	8.50	PMG	12						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
8A	COMMAND 3ME	0.75	LAA	9	0	96	98	99	0	93
	B ROUNDUP ULTRA	0.75	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A	CANOPY 75WG	0.23	LAA	9	0	95	99	87	0	93
	B ASSURE II (0.8	0.055	LAA	11						
	C»COC	1.00	PMV	11						
11A	CANOPY XL/AUTH	0.128	LAA	9	0	93	99	98	0	93
	B»AUTHORITY	0.107	LAA	9						
	C CLASSIC 25WG	0.021	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	11						
	E CLASSIC 25WG	0.005	LAA	11						
	F»ACTIVATE PLUS	0.25	LAA	11						
	G AM. SULFATE	8.50	PMG	11						
12A	CANOPY XL/AUTH	0.164	LAA	9	0	92	99	99	0	92
	B»AUTHORITY	0.137	LAA	9						
	C CLASSIC 25WG	0.027	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	11						
	E CLASSIC 25WG	0.005	LAA	11						
	F»ACTIVATE PLUS	0.25	LAA	11						
	G AM. SULFATE	8.50	PMG	11						
13A	HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
14A	PROWL 3.3EC	1.00	LAA	9	0	92	87	93	0	95
	B PURSUIT DG (70	0.063	LAA	11						
	C»SUNIT II	0.75	PMV	11						
	D 28% UAN	1.25	PMV	11						
15A	TOUCHDOWN 5 (5	0.75	LAA	13	0	90	83	95	0	87
	B AM. SULFATE	8.50	PMG	13						
		LSD (0.05)			0.00	3.00	2.86	4.06	0.00	3.29
		STANDARD DEVIATION			0.00	1.47	1.40	2.00	0.00	1.61

**TITLE:** WEED CONTROL IN RRSOY WITH INFLUENCE OF PRE'S SW-1500  
**CREATED:** 04/26/1999 **REVISED:** 09/24/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 29.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	ABUTH	YIELD
		RATE	UNIT		CON % 08/05/99	CON % 08/05/99	BU/A 10/15/99
1A	USA 1999 60DF	0.38	LAA 9		99	98	50.2
	B ROUNDUP ULTRA	0.75	LAA 13				
	C AM. SULFATE	8.50	PMG 13				
2A	FLUFENACET	0.20	LAA 9		99	95	44.9
	B CANOPY 75WG	0.16	LAA 9				
	C ROUNDUP ULTRA	0.56	LAA 13				
	D AM. SULFATE	8.50	PMG 13				
3A	AXIOM	0.43	LAA 9		99	93	48.6
	B ROUNDUP ULTRA	0.75	LAA 13				
	C AM. SULFATE	8.50	PMG 13				
4A	SENCOR 75WG	0.38	LAA 9		98	99	49.3
	B ROUNDUP ULTRA	0.56	LAA 13				
	C AM. SULFATE	8.50	PMG 13				
5A	ROUNDUP ULTRA	0.75	LAA 13		95	98	45.1
	B AM. SULFATE	8.50	PMG 13				
6A	ROUNDUP ULTRA	1.00	LAA 12		93	99	46.8
	B AM. SULFATE	8.50	PMG 12				
7A	ROUNDUP ULTRA	0.56	LAA 12		94	99	46.3
	B AM. SULFATE	8.50	PMG 12				
	C ROUNDUP ULTRA	0.56	LAA 13				
	D AM. SULFATE	8.50	PMG 13				
8A	COMMAND 3ME	0.75	LAA 9		99	98	47.3
	B ROUNDUP ULTRA	0.75	LAA 12				
	C AM. SULFATE	8.50	PMG 12				
9A	CHECK	0.00	NA 0		0	0	38.3
10A	CANOPY 75WG	0.23	LAA 9		98	93	53.1
	B ASSURE II (0.8	0.055	LAA 11				
	C»COC	1.00	PMV 11				
11A	CANOPY XL/AUTH	0.128	LAA 9		98	94	43.2
	B»AUTHORITY	0.107	LAA 9				
	C CLASSIC 25WG	0.021	LAA 9				
	D ROUNDUP ULTRA	0.56	LAA 11				
	E CLASSIC 25WG	0.005	LAA 11				
	F»ACTIVATE PLUS	0.25	LAA 11				
	G AM. SULFATE	8.50	PMG 11				
12A	CANOPY XL/AUTH	0.164	LAA 9		99	99	52.4
	B»AUTHORITY	0.137	LAA 9				
	C CLASSIC 25WG	0.027	LAA 9				
	D ROUNDUP ULTRA	0.56	LAA 11				
	E CLASSIC 25WG	0.005	LAA 11				
	F»ACTIVATE PLUS	0.25	LAA 11				
	G AM. SULFATE	8.50	PMG 11				
13A	HAND WEEDED	0.00	NA 0		99	99	47.1
14A	PROWL 3.3EC	1.00	LAA 9		95	93	46.3
	B PURSUIT DG (70	0.063	LAA 11				
	C»SUNIT II	0.75	PMV 11				
	D 28% UAN	1.25	PMV 11				
15A	TOUCHDOWN 5 (5	0.75	LAA 13		83	93	46.9
	B AM. SULFATE	8.50	PMG 13				
		LSD (0.05)			2.81	3.14	6.36
		STANDARD DEVIATION			1.37	1.53	3.11

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/21/1999(1)  
 11 = ----- / EPOST 06/15/1999(2)  
 12 = ----- / POST 06/22/1999(3)  
 13 = ----- / LPOST 06/30/1999(4)

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 %	07/19/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/19/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	07/19/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	07/19/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	08/05/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	08/05/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	CHEAL	CON %	08/05/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	08/05/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	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 3601 RR/STS