

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE:
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/20/99	06/09/99	06/17/99	06/28/99	AME
AIR TEMPERATURE	75	83	64	79	F
% REL.HUMIDITY	50	70	67	85	
WIND DIRECTION	SOUTH	SOUTH	NORTH	SOUTH	
WIND SPEED	5.0	3.0	5.0	6.0	M/H
CLOUD COVER	CLEAR	CLEAR	PARTCLDY	PARTCLDY	
DEW	---	NO	NO	MOIST	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	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	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	42.00	42.00	42.00	42.00	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	---/15	
ASGROW 3601 RR/S		4.00/4.00	5.00/5.00	8.00/10.0	IN
05/20/1999					
*** PEST ***					
VELVETLEAF		---/12	---/14	---/19	
		1.00/2.00	2.00/4.00	4.00/8.00	IN
PIGWEEED, SMOOTH		---/15	---/18	---/19	
		1.00/2.00	2.00/4.00	4.00/8.00	IN
LAMBSQUARTERS, C		---/14	---/18	---/19	
		1.00/2.00	2.00/4.00	6.00/10.0	IN
SMARTWEED, PENNS		---/16	---/19	---/19	
		1.00/3.00	2.00/6.00	6.00/12.0	IN
FOXTAIL, GIANT		---/12	---/13	---/15	
		1.00/2.00	2.00/4.00	4.00/8.00	IN
COCKLEBUR, COMMO		---/12	---/14	---/19	
		1.00/2.00	2.00/4.00	4.00/8.00	IN

* TIMING CODES

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

* STAGE CODE

11 = FIRST LEAF UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES 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
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: USBDLVS POST TIMINGS FOR BRDLEAF WD CONTROL IN RRSOYS C-500
CREATED: 05/09/1999 **REVISED:** 08/18/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	ABUTH	CHEAL	XANST	POLPY	AMACH
		RATE	UNIT		CON % 07/08/99	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99
1A	SELECT (2EC)	0.125	LAA 11		0	87	63	96	96	78
	B»COC	1.00	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»ACTIVATE PLUS	0.25	PMV 12							
	E 28% UAN	2.50	PMV 12							
2A	ROUNDUP ULTRA	0.75	LAA 12		0	98	96	98	99	99
	B AM. SULFATE	8.50	PMG 12							
3A»	FIRSTRATE 84WG	0.016	LAA 12		0	99	97	99	99	99
	B ROUNDUP ULTRA	0.56	LAA 12							
	C»ACTIVATE PLUS	0.25	PMV 12							
	D AM. SULFATE	8.50	PMG 12							
4A»	RAPTOR 1AS	0.039	LAA 12		0	99	96	97	98	98
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
5A	FUSION	0.21	LAA 11		0	90	93	96	92	98
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.31	LAA 12							
	D»COC	1.00	PMV 12							
6A	SELECT (2EC)	0.125	LAA 11		0	90	88	98	83	99
	B»COC	1.00	PMV 11							
	C COBRA 2EC	0.195	LAA 12							
	D»COC	1.00	PMV 12							
7A	SELECT (2EC)	0.125	LAA 11		0	98	87	95	95	93
	B»COC	1.00	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 14							
	D»ACTIVATE PLUS	0.25	PMV 14							
	E 28% UAN	2.50	PMV 14							
8A	ROUNDUP ULTRA	0.75	LAA 14		0	99	99	99	98	99
	B AM. SULFATE	8.50	PMG 14							
9A»	FIRSTRATE 84WG	0.016	LAA 14		0	99	99	99	98	99
	B ROUNDUP ULTRA	0.56	LAA 14							
	C»ACTIVATE PLUS	0.25	PMV 14							
	D AM. SULFATE	8.50	PMG 14							
10A»	RAPTOR 1AS	0.039	LAA 14		5	98	95	96	96	99
	B»MSO	1.00	PMV 14							
	C 28% UAN	2.50	PMV 14							
11A	FUSION	0.21	LAA 11		10	98	92	98	98	99
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.31	LAA 14							
	D»COC	1.00	PMV 14							
12A	SELECT (2EC)	0.125	LAA 11		15	96	91	98	92	99
	B»COC	1.00	PMV 11							
	C COBRA 2EC	0.195	LAA 14							
	D»COC	1.00	PMV 14							
13A	CHECK	0.00	NA 0		0	0	0	0	0	0
14A»	VALOR 50WG	0.063	LAA 9		0	98	99	99	98	98
	B ROUNDUP ULTRA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
15A»	VALOR 50WG	0.094	LAA 9		0	99	99	99	99	99
	B ROUNDUP ULTRA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
16A»	V-3153 57.6WG	0.005	LAA 12		0	97	96	98	96	99
	B ROUNDUP ULTRA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							

TITLE: USBDLVS POST TIMINGS FOR BRDLEAF WD CONTROL IN RRSOYS C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	ABUTH	CHEAL	XANST	POLPY	AMACH
		RATE	UNIT TM	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99	CON % 07/08/99
17A»V-3153	57.6WG	0.009	LAA 12	0	99	98	96	99	99
	B ROUNDUP ULTRA	0.75	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
18A»V-3153	57.6WG	0.014	LAA 12	0	98	96	95	99	99
	B ROUNDUP ULTRA	0.75	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
19A	RESOURCE (0.86	0.014	LAA 12	0	98	98	99	98	99
	B ROUNDUP ULTRA	0.75	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
20A	GALAXY SL	0.92	LAA 12	5	99	92	96	96	99
	B POAST + 1EC	0.188	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	1.25	PMV 12						
			LSD (0.05)	0.00	3.29	4.91	4.68	4.70	3.08
			STANDARD DEVIATION	0.00	1.63	2.43	2.31	2.32	1.52

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PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	GLXMA	ABUTH	CHEAL	XANST	POLPY
		RATE	UNIT		CON % 07/08/99	CON % 07/28/99	CON % 07/28/99	CON % 07/28/99	CON % 07/28/99	CON % 07/28/99
1A	SELECT (2EC)	0.125	LAA 11		98	0	87	63	96	96
	B»COC	1.00	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»ACTIVATE PLUS	0.25	PMV 12							
	E 28% UAN	2.50	PMV 12							
2A	ROUNDUP ULTRA	0.75	LAA 12		99	0	98	96	98	99
	B AM. SULFATE	8.50	PMG 12							
3A»	FIRSTRATE 84WG	0.016	LAA 12		99	0	99	97	99	99
	B ROUNDUP ULTRA	0.56	LAA 12							
	C»ACTIVATE PLUS	0.25	PMV 12							
	D AM. SULFATE	8.50	PMG 12							
4A»	RAPTOR 1AS	0.039	LAA 12		99	0	99	96	97	98
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
5A	FUSION	0.21	LAA 11		99	0	90	93	96	92
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.31	LAA 12							
	D»COC	1.00	PMV 12							
6A	SELECT (2EC)	0.125	LAA 11		94	0	90	88	98	83
	B»COC	1.00	PMV 11							
	C COBRA 2EC	0.195	LAA 12							
	D»COC	1.00	PMV 12							
7A	SELECT (2EC)	0.125	LAA 11		98	0	98	87	95	95
	B»COC	1.00	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 14							
	D»ACTIVATE PLUS	0.25	PMV 14							
	E 28% UAN	2.50	PMV 14							
8A	ROUNDUP ULTRA	0.75	LAA 14		99	0	99	99	99	98
	B AM. SULFATE	8.50	PMG 14							
9A»	FIRSTRATE 84WG	0.016	LAA 14		99	0	99	99	99	98
	B ROUNDUP ULTRA	0.56	LAA 14							
	C»ACTIVATE PLUS	0.25	PMV 14							
	D AM. SULFATE	8.50	PMG 14							
10A»	RAPTOR 1AS	0.039	LAA 14		99	5	98	95	96	96
	B»MSO	1.00	PMV 14							
	C 28% UAN	2.50	PMV 14							
11A	FUSION	0.21	LAA 11		99	10	98	92	98	98
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.31	LAA 14							
	D»COC	1.00	PMV 14							
12A	SELECT (2EC)	0.125	LAA 11		99	15	96	91	98	92
	B»COC	1.00	PMV 11							
	C COBRA 2EC	0.195	LAA 14							
	D»COC	1.00	PMV 14							
13A	CHECK	0.00	NA 0		0	0	0	0	0	0
14A»	VALOR 50WG	0.063	LAA 9		99	0	98	99	99	98
	B ROUNDUP ULTRA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
15A»	VALOR 50WG	0.094	LAA 9		99	0	99	99	99	99
	B ROUNDUP ULTRA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							
16A»	V-3153 57.6WG	0.005	LAA 12		99	0	97	96	98	96
	B ROUNDUP ULTRA	0.75	LAA 12							
	C AM. SULFATE	8.50	PMG 12							

TITLE: USBDLVS POST TIMINGS FOR BRDLEAF WD CONTROL IN RRSOYS C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	GLXMA	ABUTH	CHEAL	XANST	POLPY
		RATE	UNIT TM	CON % 07/08/99	CON % 07/28/99	CON % 07/28/99	CON % 07/28/99	CON % 07/28/99	CON % 07/28/99
17A»V-3153	57.6WG	0.009	LAA 12	99	0	99	98	96	99
	B ROUNDUP ULTRA	0.75	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
18A»V-3153	57.6WG	0.014	LAA 12	99	0	98	96	95	99
	B ROUNDUP ULTRA	0.75	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
19A	RESOURCE (0.86	0.014	LAA 12	99	0	98	98	99	98
	B ROUNDUP ULTRA	0.75	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
20A	GALAXY SL	0.92	LAA 12	98	5	99	92	96	96
	B POAST + 1EC	0.188	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	1.25	PMV 12						
		LSD (0.05)		0.852	0.00	3.29	4.91	4.68	4.70
		STANDARD DEVIATION		0.422	0.00	1.63	2.43	2.31	2.32

TITLE: USBDLVS POST TIMINGS FOR BRDLEAF WD CONTROL IN RRSOYS C-500
CREATED: 05/09/1999 **REVISED:** 08/18/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMACH	SETFA
		RATE	UNIT		CON % 07/28/99	CON % 07/28/99
1A	SELECT (2EC)	0.125	LAA 11		78	98
	B»COC	1.00	PMV 11			
	C»FIRSTRATE 84WG	0.016	LAA 12			
	D»ACTIVATE PLUS	0.25	PMV 12			
	E 28% UAN	2.50	PMV 12			
2A	ROUNDUP ULTRA	0.75	LAA 12		99	99
	B AM. SULFATE	8.50	PMG 12			
3A»	FIRSTRATE 84WG	0.016	LAA 12		99	99
	B ROUNDUP ULTRA	0.56	LAA 12			
	C»ACTIVATE PLUS	0.25	PMV 12			
	D AM. SULFATE	8.50	PMG 12			
4A»	RAPTOR 1AS	0.039	LAA 12		98	99
	B»MSO	1.00	PMV 12			
	C 28% UAN	2.50	PMV 12			
5A	FUSION	0.21	LAA 11		98	99
	B»COC	1.00	PMV 11			
	C»FLEXSTAR 1.88M	0.31	LAA 12			
	D»COC	1.00	PMV 12			
6A	SELECT (2EC)	0.125	LAA 11		99	94
	B»COC	1.00	PMV 11			
	C COBRA 2EC	0.195	LAA 12			
	D»COC	1.00	PMV 12			
7A	SELECT (2EC)	0.125	LAA 11		93	98
	B»COC	1.00	PMV 11			
	C»FIRSTRATE 84WG	0.016	LAA 14			
	D»ACTIVATE PLUS	0.25	PMV 14			
	E 28% UAN	2.50	PMV 14			
8A	ROUNDUP ULTRA	0.75	LAA 14		99	99
	B AM. SULFATE	8.50	PMG 14			
9A»	FIRSTRATE 84WG	0.016	LAA 14		99	99
	B ROUNDUP ULTRA	0.56	LAA 14			
	C»ACTIVATE PLUS	0.25	PMV 14			
	D AM. SULFATE	8.50	PMG 14			
10A»	RAPTOR 1AS	0.039	LAA 14		99	99
	B»MSO	1.00	PMV 14			
	C 28% UAN	2.50	PMV 14			
11A	FUSION	0.21	LAA 11		99	99
	B»COC	1.00	PMV 11			
	C»FLEXSTAR 1.88M	0.31	LAA 14			
	D»COC	1.00	PMV 14			
12A	SELECT (2EC)	0.125	LAA 11		99	99
	B»COC	1.00	PMV 11			
	C COBRA 2EC	0.195	LAA 14			
	D»COC	1.00	PMV 14			
13A	CHECK	0.00	NA 0		0	0
14A»	VALOR 50WG	0.063	LAA 9		98	99
	B ROUNDUP ULTRA	0.75	LAA 12			
	C AM. SULFATE	8.50	PMG 12			
15A»	VALOR 50WG	0.094	LAA 9		99	99
	B ROUNDUP ULTRA	0.75	LAA 12			
	C AM. SULFATE	8.50	PMG 12			
16A»	V-3153 57.6WG	0.005	LAA 12		99	99
	B ROUNDUP ULTRA	0.75	LAA 12			
	C AM. SULFATE	8.50	PMG 12			

TITLE: USBDLVS POST TIMINGS FOR BRDLEAF WD CONTROL IN RRSOYS C-500

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	AMACH CON % 07/28/99	SETFA CON % 07/28/99
17A»V-3153 57.6WG	0.009	LAA 12	99	99
B ROUNDUP ULTRA	0.75	LAA 12		
C AM. SULFATE	8.50	PMG 12		
18A»V-3153 57.6WG	0.014	LAA 12	99	99
B ROUNDUP ULTRA	0.75	LAA 12		
C AM. SULFATE	8.50	PMG 12		
19A RESOURCE (0.86	0.014	LAA 12	99	99
B ROUNDUP ULTRA	0.75	LAA 12		
C AM. SULFATE	8.50	PMG 12		
20A GALAXY SL	0.92	LAA 12	99	98
B POAST + 1EC	0.188	LAA 12		
C»COC	1.00	PMV 12		
D 28% UAN	1.25	PMV 12		
	LSD (0.05)		3.08	0.852
	STANDARD DEVIATION		1.52	0.422

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/20/1999(1)
- 11 = ----- / EPOST 06/09/1999(2)
- 12 = ----- / POST 06/17/1999(3)
- 14 = ----- / VLPOST

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA	CON %	07/08/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ABUTH	CON %	07/08/1999	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	07/08/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	07/08/1999	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	07/08/1999	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMACH	CON %	07/08/1999	06	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/08/1999	07	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	07/28/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/28/1999	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/28/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	XANST	CON %	07/28/1999	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/28/1999	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMACH	CON %	07/28/1999	06	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/28/1999	07	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3601 RR/STS