

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/16/00	06/19/00	AME
AIR TEMPERATURE	82	80	F
% REL.HUMIDITY	70	85	
WIND DIRECTION	SOUTHWEST	SOUTHEAST	
WIND SPEED	6.0	1.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT		---	
DN/SG/MMZ			
*** CROP ***			
SOYBEAN	---/11	---/12	
PIONEER 93B53RR	4.00/4.00	5.00/5.00	IN
05/25/2000			
*** PEST ***			
VELVETLEAF	---/13	---/15	
	3.00/3.00	4.00/4.00	IN
FIGWEED, SMOOTH	---/15	---/18	
	2.00/2.00	3.00/3.00	IN
LAMBSQUARTERS, C	---/16	---/19	
	2.00/2.00	3.00/3.00	IN
MORNINGGLORY, IV	---/12	---/14	
	1.00/1.00	2.00/2.00	IN
SMARTWEED, PENNS	---/14	---/16	
	2.00/2.00	3.00/3.00	IN
FOXTAIL, GIANT	---/12	---/12	
	3.00/3.00	4.00/4.00	IN

\* TIMING CODES

11 = ----- / EPOST  
 12 = ----- / POST

\* STAGE CODE

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

**TITLE:** USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200  
**CREATED:** 04/19/2000 **REVISED:** 08/03/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	AMACH	CHEAL	ABUTH	IPOHE	POLPY
		RATE	UNIT		06/22/00	06/22/00	06/22/00	06/22/00	06/22/00	06/22/00
1A	SELECT (2EC)	0.094	LAA 11		15	83	0	68	63	58
	B»COC	1.25	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»IMPRESSIVE DB	11.25	PMG 12							
2A	SELECT (2EC)	0.094	LAA 11		20	98	75	93	93	83
	B»COC	1.25	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»IMPRESSIVE DB	11.25	PMG 12							
3A	SELECT (2EC)	0.094	LAA 11		7	25	0	67	62	70
	B»COC	1.25	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»COC	0.63	PMV 12							
4A	SELECT (2EC)	0.094	LAA 11		15	90	73	96	90	83
	B»COC	1.25	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»COC	0.63	PMV 12							
5A	CHECK	0.00	NA 0		0	0	0	0	0	0
6A	SELECT (2EC)	0.094	LAA 11		38	98	82	91	91	68
	B»COC	1.25	PMV 11							
	C COBRA 2EC	0.125	LAA 12							
	D»COC	0.63	PMV 12							
7A	SELECT (2EC)	0.094	LAA 11		35	99	85	96	95	80
	B»COC	1.25	PMV 11							
	C COBRA 2EC	0.125	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»COC	0.63	PMV 12							
8A	SELECT (2EC)	0.094	LAA 11		0	0	0	0	0	0
	B»COC	1.25	PMV 11							
9A	FUSION	0.21	LAA 11		30	99	91	99	99	96
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.294	LAA 12							
	D»MSO	1.00	PMV 12							
	E 28% UAN	2.50	PMV 12							
10A	FUSION	0.21	LAA 11		10	83	0	73	70	72
	B»COC	1.00	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»COC	1.00	PMV 12							
11A	FUSION	0.21	LAA 11		33	99	87	73	95	98
	B»COC	1.00	PMV 11							
	C»ULTRA BLAZER	0.38	LAA 12							
	D»COC	1.00	PMV 12							
12A»	RAPTOR 1AS	0.039	LAA 12		12	85	82	75	65	63
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
13A	ROUNDUP ULTRA	0.38	LAA 12		2	99	98	80	63	75
	B AM. SULFATE	8.50	PMG 12							
14A»	TOUCHDN IQ 3AE	0.38	LAA 12		0	98	98	80	67	80
	B AM. SULFATE	8.50	PMG 12							
15A	ROUNDUP ULTRA	0.38	LAA 12		15	99	91	98	95	80
	B»S-3153 58WG	0.009	LAA 12							
	C AM. SULFATE	8.50	PMG 12							

**TITLE:** USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE		GLXMA	AMACH	CHEAL	ABUTH	IPOHE	POLPY
	RATE	UNIT TM	06/22/00	06/22/00	06/22/00	06/22/00	06/22/00	06/22/00
16A»TOUCHDN IQ 3AE	0.38	LAA 12	5	99	93	96	97	85
B»S-3153 58WG	0.009	LAA 12						
C AM. SULFATE	8.50	PMG 12						
	LSD (0.05)		5.11	4.69	7.73	9.54	7.58	16.10
	STANDARD DEVIATION		2.50	2.30	3.78	4.67	3.71	7.89

**TITLE:** USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200  
**CREATED:** 04/19/2000 **REVISED:** 08/03/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMACH	CHEAL	ABUTH	IPOHE
		RATE	UNIT		07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00
1A	SELECT (2EC)	0.094	LAA 11		2	99	83	45	87	86
	B»COC	1.25	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»IMPRESSIVE DB	11.25	PMG 12							
2A	SELECT (2EC)	0.094	LAA 11		0	99	91	63	90	84
	B»COC	1.25	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»IMPRESSIVE DB	11.25	PMG 12							
3A	SELECT (2EC)	0.094	LAA 11		0	99	0	0	93	87
	B»COC	1.25	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»COC	0.63	PMV 12							
4A	SELECT (2EC)	0.094	LAA 11		0	99	68	48	99	96
	B»COC	1.25	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»COC	0.63	PMV 12							
5A	CHECK	0.00	NA 0		0	0	0	0	0	0
6A	SELECT (2EC)	0.094	LAA 11		10	99	90	62	78	75
	B»COC	1.25	PMV 11							
	C COBRA 2EC	0.125	LAA 12							
	D»COC	0.63	PMV 12							
7A	SELECT (2EC)	0.094	LAA 11		9	99	84	69	83	68
	B»COC	1.25	PMV 11							
	C COBRA 2EC	0.125	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»COC	0.63	PMV 12							
8A	SELECT (2EC)	0.094	LAA 11		0	99	0	0	0	0
	B»COC	1.25	PMV 11							
9A	FUSION	0.21	LAA 11		0	98	95	84	89	95
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.294	LAA 12							
	D»MSO	1.00	PMV 12							
	E 28% UAN	2.50	PMV 12							
10A	FUSION	0.21	LAA 11		0	99	91	13	87	91
	B»COC	1.00	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»COC	1.00	PMV 12							
11A	FUSION	0.21	LAA 11		0	98	90	85	47	88
	B»COC	1.00	PMV 11							
	C»ULTRA BLAZER	0.38	LAA 12							
	D»COC	1.00	PMV 12							
12A»	RAPTOR 1AS	0.039	LAA 12		0	99	98	87	90	86
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
13A	ROUNDUP ULTRA	0.38	LAA 12		0	98	96	92	88	77
	B AM. SULFATE	8.50	PMG 12							
14A»	TOUCHDN IQ 3AE	0.38	LAA 12		0	97	98	92	88	77
	B AM. SULFATE	8.50	PMG 12							
15A	ROUNDUP ULTRA	0.38	LAA 12		0	98	92	92	94	84
	B»S-3153 58WG	0.009	LAA 12							
	C AM. SULFATE	8.50	PMG 12							

**TITLE:** USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE		GLXMA	SETFA	AMACH	CHEAL	ABUTH	IPOHE
	RATE	UNIT TM	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00
16A»TOUCHDN IQ 3AE	0.38	LAA 12	0	98	95	91	98	83
B»S-3153 58WG	0.009	LAA 12						
C AM. SULFATE	8.50	PMG 12						
	LSD (0.05)		1.38	1.14	13.49	13.25	12.63	13.92
	STANDARD DEVIATION		0.677	0.56	6.61	6.49	6.19	6.82

**TITLE:** USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200  
**CREATED:** 04/19/2000 **REVISED:** 08/03/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	POLPY	GLXMA	SETFA	AMACH	CHEAL	ABUTH
		RATE	UNIT		07/10/00	07/24/00	07/24/00	07/24/00	07/24/00	07/24/00
1A	SELECT (2EC)	0.094	LAA 11		75	0	96	77	32	96
	B»COC	1.25	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»IMPRESSIVE DB	11.25	PMG 12							
2A	SELECT (2EC)	0.094	LAA 11		65	0	96	88	62	96
	B»COC	1.25	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»IMPRESSIVE DB	11.25	PMG 12							
3A	SELECT (2EC)	0.094	LAA 11		99	0	99	32	7	93
	B»COC	1.25	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»COC	0.63	PMV 12							
4A	SELECT (2EC)	0.094	LAA 11		95	0	99	63	52	99
	B»COC	1.25	PMV 11							
	C»FIRSTRATE 84WG	0.016	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»COC	0.63	PMV 12							
5A	CHECK	0.00	NA 0		0	0	0	0	0	0
6A	SELECT (2EC)	0.094	LAA 11		43	2	98	90	50	78
	B»COC	1.25	PMV 11							
	C COBRA 2EC	0.125	LAA 12							
	D»COC	0.63	PMV 12							
7A	SELECT (2EC)	0.094	LAA 11		47	3	98	93	65	88
	B»COC	1.25	PMV 11							
	C COBRA 2EC	0.125	LAA 12							
	D»S-3153 58WG	0.009	LAA 12							
	E»COC	0.63	PMV 12							
8A	SELECT (2EC)	0.094	LAA 11		0	0	99	0	0	0
	B»COC	1.25	PMV 11							
9A	FUSION	0.21	LAA 11		85	0	99	99	91	90
	B»COC	1.00	PMV 11							
	C»FLEXSTAR 1.88M	0.294	LAA 12							
	D»MSO	1.00	PMV 12							
	E 28% UAN	2.50	PMV 12							
10A	FUSION	0.21	LAA 11		75	0	99	94	10	99
	B»COC	1.00	PMV 11							
	C CLASSIC 25WG	0.008	LAA 12							
	D»COC	1.00	PMV 12							
11A	FUSION	0.21	LAA 11		86	0	99	90	87	48
	B»COC	1.00	PMV 11							
	C»ULTRA BLAZER	0.38	LAA 12							
	D»COC	1.00	PMV 12							
12A»	RAPTOR 1AS	0.039	LAA 12		85	0	99	95	99	99
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
13A	ROUNDUP ULTRA	0.38	LAA 12		93	0	98	98	98	99
	B AM. SULFATE	8.50	PMG 12							
14A»	TOUCHDN IQ 3AE	0.38	LAA 12		86	0	99	99	98	98
	B AM. SULFATE	8.50	PMG 12							
15A	ROUNDUP ULTRA	0.38	LAA 12		85	0	98	92	92	96
	B»S-3153 58WG	0.009	LAA 12							
	C AM. SULFATE	8.50	PMG 12							

## TITLE: USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE		POLPY	GLXMA	SETFA	AMACH	CHEAL	ABUTH
	RATE	UNIT TM	07/10/00	07/24/00	07/24/00	07/24/00	07/24/00	07/24/00
16A»TOUCHDN IQ 3AE	0.38	LAA 12	88	0	98	94	98	98
B»S-3153 58WG	0.009	LAA 12						
C AM. SULFATE	8.50	PMG 12						
		LSD (0.05)	15.69	1.76	1.78	10.53	15.47	12.00
		STANDARD DEVIATION	7.68	0.861	0.873	5.16	7.58	5.89

**TITLE:** USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200  
**CREATED:** 04/19/2000 **REVISED:** 08/03/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		IPOHE TM	POLPY 07/24/00	07/24/00
		RATE	UNIT			
1A	SELECT (2EC)	0.094	LAA 11		63	68
	B»COC	1.25	PMV 11			
	C CLASSIC 25WG	0.008	LAA 12			
	D»IMPRESSIVE DB	11.25	PMG 12			
2A	SELECT (2EC)	0.094	LAA 11		68	65
	B»COC	1.25	PMV 11			
	C CLASSIC 25WG	0.008	LAA 12			
	D»S-3153 58WG	0.009	LAA 12			
	E»IMPRESSIVE DB	11.25	PMG 12			
3A	SELECT (2EC)	0.094	LAA 11		90	93
	B»COC	1.25	PMV 11			
	C»FIRSTRATE 84WG	0.016	LAA 12			
	D»COC	0.63	PMV 12			
4A	SELECT (2EC)	0.094	LAA 11		99	99
	B»COC	1.25	PMV 11			
	C»FIRSTRATE 84WG	0.016	LAA 12			
	D»S-3153 58WG	0.009	LAA 12			
	E»COC	0.63	PMV 12			
5A	CHECK	0.00	NA 0		0	0
6A	SELECT (2EC)	0.094	LAA 11		73	43
	B»COC	1.25	PMV 11			
	C COBRA 2EC	0.125	LAA 12			
	D»COC	0.63	PMV 12			
7A	SELECT (2EC)	0.094	LAA 11		72	52
	B»COC	1.25	PMV 11			
	C COBRA 2EC	0.125	LAA 12			
	D»S-3153 58WG	0.009	LAA 12			
	E»COC	0.63	PMV 12			
8A	SELECT (2EC)	0.094	LAA 11		0	0
	B»COC	1.25	PMV 11			
9A	FUSION	0.21	LAA 11		88	91
	B»COC	1.00	PMV 11			
	C»FLEXSTAR 1.88M	0.294	LAA 12			
	D»MSO	1.00	PMV 12			
	E 28% UAN	2.50	PMV 12			
10A	FUSION	0.21	LAA 11		65	70
	B»COC	1.00	PMV 11			
	C CLASSIC 25WG	0.008	LAA 12			
	D»COC	1.00	PMV 12			
11A	FUSION	0.21	LAA 11		86	99
	B»COC	1.00	PMV 11			
	C»ULTRA BLAZER	0.38	LAA 12			
	D»COC	1.00	PMV 12			
12A»	RAPTOR 1AS	0.039	LAA 12		92	98
	B»MSO	1.00	PMV 12			
	C 28% UAN	2.50	PMV 12			
13A	ROUNDUP ULTRA	0.38	LAA 12		95	99
	B AM. SULFATE	8.50	PMG 12			
14A»	TOUCHDN IQ 3AE	0.38	LAA 12		96	99
	B AM. SULFATE	8.50	PMG 12			
15A	ROUNDUP ULTRA	0.38	LAA 12		87	90
	B»S-3153 58WG	0.009	LAA 12			
	C AM. SULFATE	8.50	PMG 12			



TITLE: USOYVEL POST VELVETLEAF CONTROL IN RRSOY AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	IPOHE		POLPY	
		UNIT	TM 07/24/00	07/24/00	
16A»TOUCHDN IQ 3AE	0.38	LAA 12	92		96
B»S-3153 58WG	0.009	LAA 12			
C AM. SULFATE	8.50	PMG 12			
	LSD (0.05)		10.62		12.76
	STANDARD DEVIATION		5.20		6.25

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
11 = ----- / EPOST 06/16/2000(1)  
12 = ----- / POST 06/19/2000(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	GLXMA		06/22/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMACH		06/22/2000	03	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL		06/22/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH		06/22/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	IPOHE		06/22/2000	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY		06/22/2000	07	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA		07/10/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA		07/10/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMACH		07/10/2000	03	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL		07/10/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH		07/10/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	IPOHE		07/10/2000	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY		07/10/2000	07	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	GLXMA		07/24/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA		07/24/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMACH		07/24/2000	03	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL		07/24/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH		07/24/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	IPOHE		07/24/2000	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	POLPY		07/24/2000	07	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B53RR