

## 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	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/20/99	06/17/99	AME
AIR TEMPERATURE	75	68	F
% REL. HUMIDITY	50	65	
WIND DIRECTION	SOUTH	NORTH	
WIND SPEED	5.0	6.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	---	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	42.00	42.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT			
DN/SG/MMZ			
*** CROP ***			
SOYBEAN		---/12	
ASGROW 3601 RR/S		5.00/5.00	IN
05/20/1999			
*** PEST ***			
LAMBSQUARTERS, C		---/19	
		2.00/6.00	IN
MORNINGGLORY, TA		---/13	
		1.00/2.00	IN
SMARTWEED, PENNS		---/19	
		2.00/10.0	IN
FOXTAIL, GIANT		---/13	
		2.00/4.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
12 = ----- / POST

## \* STAGE CODE

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE  
13 = 3 LEAVES UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** USOYSYS2 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS II C-500  
**CREATED:** 05/09/1999 **REVISED:** 07/30/1999 **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	SETFA	POLPY	PHBPU	CHEAL	GLXMA
		RATE	UNIT		CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 07/17/99
1A	COMMAND 3ME	0.75	LAA	9	3	99	82	90	85	0
	B PURSUIT DG (70	0.031	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
2A	COMMAND 3ME	0.75	LAA	9	10	93	98	96	96	0
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
3A	COMMAND 3ME	0.75	LAA	9	0	95	91	98	98	0
	B»CANOPY XL 56.3	0.24	LAA	0						
	C»AUTHORITY	0.20	LAA	9						
	D CLASSIC 25WG	0.04	LAA	9						
4A	COMMAND 3ME	0.75	LAA	9	0	92	83	96	93	0
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
5A	COMMAND 3ME	0.75	LAA	9	7	99	85	95	93	0
	B»RAPTOR 1AS	0.032	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
6A	COMMAND 3ME	0.75	LAA	9	0	68	43	72	83	0
	B SENCOR 75WG	0.375	LAA	9						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	COMMAND 3ME	0.75	LAA	9	0	90	90	94	93	0
	B»AUTHORITY	0.188	LAA	9						
	C»FIRSTRATE 84WG	0.016	LAA	12						
	D»ACTIVATE PLUS	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
9A	COMMAND 3ME	0.75	LAA	9	0	58	91	98	98	0
	B»PYTHON 80WG	0.05	LAA	9						
10A	COMMAND 3ME	0.75	LAA	9	0	88	90	96	95	0
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
11A	COMMAND 3ME	0.75	LAA	9	0	67	91	91	91	0
	B CANOPY 75WG	0.28	LAA	9						
12A	COMMAND 3ME	0.50	LAA	9	0	99	90	95	99	0
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
13A	COMMAND 3ME	0.75	LAA	9	0	99	85	99	99	0
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
14A	PROWL 3.3EC	1.24	LAA	9	0	99	88	98	99	0
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C ROUNDUP ULTRA	0.56	LAA	12						
	D»ACTIVATE PLUS	0.25	PMV	12						
	E AM. SULFATE	8.50	PMG	12						
15A	PROWL 3.3EC	1.24	LAA	9	7	73	92	98	91	0
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C COBRA 2EC	0.094	LAA	12						
	D»COC	1.00	PMV	12						
16A	»FIRSTRATE 84WG	0.016	LAA	12	5	98	99	99	87	0
	B SELECT (2EC)	0.094	LAA	12						
	C»FLEXSTAR 1.88M	0.24	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						

## TITLE: USOYSYS2 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS II C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	POLPY	PHBPU	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 07/17/99
17A	PROWL 3.3EC	1.24	LAA	9	0	99	96	99	99	0
	B»PYTHON 80WG	0.063	LAA	9						
	C ROUNDUP ULTRA	0.38	LAA	12						
	D AM. SULFATE	8.50	PMG	12						
18A	PROWL 3.3EC	1.24	LAA	9	0	98	96	99	99	0
	B»FIRSTRATE 84WG	0.031	LAA	9						
	C ROUNDUP ULTRA	0.38	LAA	12						
	D AM. SULFATE	8.50	PMG	12						
19A	COMMAND 3ME	0.75	LAA	9	0	99	96	99	99	0
	B»FIRSTRATE 84WG	0.039	LAA	9						
	C ROUNDUP ULTRA	0.38	LAA	12						
	D AM. SULFATE	8.50	PMG	12						
20A»	CANOPY XL 56.3	0.088	LAA	0	0	98	99	99	99	0
	B»AUTHORITY	0.073	LAA	9						
	C CLASSIC 25WG	0.015	LAA	9						
	D»AUTHORITY	0.117	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	12						
	F AM. SULFATE	8.50	PMG	12						
21A»	AUTHORITY	0.21	LAA	9	0	58	93	99	90	0
	B»SYNCHRONY STS	0.013	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
22A»	CANOPY XL 56.3	0.088	LAA	0	0	62	98	98	98	0
	B»AUTHORITY	0.073	LAA	9						
	C CLASSIC 25WG	0.015	LAA	9						
	D»AUTHORITY	0.117	LAA	9						
	E»SYNCHRONY STS	0.013	LAA	12						
	F»FIRSTRATE 84WG	0.008	LAA	12						
	G»COC	1.00	PMV	12						
	H 28% UAN	2.50	PMV	12						
23A»	AUTHORITY	0.14	LAA	9	0	98	93	99	99	0
	B»SYNCHRONY STS	0.013	LAA	12						
	C ROUNDUP ULTRA	0.188	LAA	12						
	D AM. SULFATE	8.50	PMG	12						
24A»	AUTHORITY	0.14	LAA	9	0	99	99	99	98	0
	B CLASSIC 25WG	0.005	LAA	12						
	C ROUNDUP ULTRA	0.56	LAA	12						
	D AM. SULFATE	8.50	PMG	12						
		LSD (0.05)			1.69	9.67	7.09	6.73	8.95	0.00
		STANDARD DEVIATION			0.845	4.84	3.54	3.37	4.47	0.00

**TITLE:** USOYSYS2 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS II C-500  
**CREATED:** 05/09/1999 **REVISED:** 07/30/1999 **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	SETFA	POLPY	PHBPU	CHEAL
		RATE	UNIT		CON % 07/17/99	CON % 07/17/99	CON % 07/17/99	CON % 07/17/99
1A	COMMAND 3ME	0.75	LAA	9	93	80	82	82
	B PURSUIT DG (70)	0.031	LAA	12				
	C»MSO	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
2A	COMMAND 3ME	0.75	LAA	9	80	93	88	82
	B»FLEXSTAR 1.88M	0.294	LAA	12				
	C»MSO	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
3A	COMMAND 3ME	0.75	LAA	9	80	82	90	95
	B»CANOPY XL 56.3	0.24	LAA	0				
	C»AUTHORITY	0.20	LAA	9				
	D CLASSIC 25WG	0.04	LAA	9				
4A	COMMAND 3ME	0.75	LAA	9	73	87	88	83
	B»FIRSTRATE 84WG	0.016	LAA	12				
	C»ACTIVATE PLUS	0.25	PMV	12				
	D 28% UAN	2.50	PMV	12				
5A	COMMAND 3ME	0.75	LAA	9	93	85	85	93
	B»RAPTOR 1AS	0.032	LAA	12				
	C»MSO	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
6A	COMMAND 3ME	0.75	LAA	9	73	20	62	60
	B SENCOR 75WG	0.375	LAA	9				
7A	CHECK	0.00	NA	0	0	0	0	0
8A	COMMAND 3ME	0.75	LAA	9	80	90	85	87
	B»AUTHORITY	0.188	LAA	9				
	C»FIRSTRATE 84WG	0.016	LAA	12				
	D»ACTIVATE PLUS	0.25	PMV	12				
	E 28% UAN	2.50	PMV	12				
9A	COMMAND 3ME	0.75	LAA	9	23	75	75	88
	B»PYTHON 80WG	0.05	LAA	9				
10A	COMMAND 3ME	0.75	LAA	9	73	87	88	90
	B»SYNCHRONY STS	0.013	LAA	12				
	C»ACTIVATE PLUS	0.25	PMV	12				
	D 28% UAN	2.50	PMV	12				
11A	COMMAND 3ME	0.75	LAA	9	37	82	77	82
	B CANOPY 75WG	0.28	LAA	9				
12A	COMMAND 3ME	0.50	LAA	9	93	95	93	95
	B ROUNDUP ULTRA	0.56	LAA	12				
	C AM. SULFATE	8.50	PMG	12				
13A	COMMAND 3ME	0.75	LAA	9	96	96	95	98
	B ROUNDUP ULTRA	0.56	LAA	12				
	C AM. SULFATE	8.50	PMG	12				
14A	PROWL 3.3EC	1.24	LAA	9	99	99	98	98
	B»FIRSTRATE 84WG	0.016	LAA	12				
	C ROUNDUP ULTRA	0.56	LAA	12				
	D»ACTIVATE PLUS	0.25	PMV	12				
	E AM. SULFATE	8.50	PMG	12				
15A	PROWL 3.3EC	1.24	LAA	9	33	87	87	77
	B»FIRSTRATE 84WG	0.016	LAA	12				
	C COBRA 2EC	0.094	LAA	12				
	D»COC	1.00	PMV	12				
16A	»FIRSTRATE 84WG	0.016	LAA	12	93	98	93	80
	B SELECT (2EC)	0.094	LAA	12				
	C»FLEXSTAR 1.88M	0.24	LAA	12				
	D»COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				

TITLE: USOYSYS2 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS II C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 07/17/99	POLPY CON % 07/17/99	PHBPU CON % 07/17/99	CHEAL CON % 07/17/99
17A	PROWL 3.3EC	1.24	LAA	9	96	99	93	99
	B»PYTHON 80WG	0.063	LAA	9				
	C ROUNDUP ULTRA	0.38	LAA	12				
	D AM. SULFATE	8.50	PMG	12				
18A	PROWL 3.3EC	1.24	LAA	9	92	96	95	98
	B»FIRSTRATE 84WG	0.031	LAA	9				
	C ROUNDUP ULTRA	0.38	LAA	12				
	D AM. SULFATE	8.50	PMG	12				
19A	COMMAND 3ME	0.75	LAA	9	96	99	98	99
	B»FIRSTRATE 84WG	0.039	LAA	9				
	C ROUNDUP ULTRA	0.38	LAA	12				
	D AM. SULFATE	8.50	PMG	12				
20A»	CANOPY XL 56.3	0.088	LAA	0	92	98	96	98
	B»AUTHORITY	0.073	LAA	9				
	C CLASSIC 25WG	0.015	LAA	9				
	D»AUTHORITY	0.117	LAA	9				
	E ROUNDUP ULTRA	0.56	LAA	12				
	F AM. SULFATE	8.50	PMG	12				
21A»	AUTHORITY	0.21	LAA	9	23	82	78	82
	B»SYNCHRONY STS	0.013	LAA	12				
	C»COC	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
22A»	CANOPY XL 56.3	0.088	LAA	0	37	95	92	93
	B»AUTHORITY	0.073	LAA	9				
	C CLASSIC 25WG	0.015	LAA	9				
	D»AUTHORITY	0.117	LAA	9				
	E»SYNCHRONY STS	0.013	LAA	12				
	F»FIRSTRATE 84WG	0.008	LAA	12				
	G»COC	1.00	PMV	12				
	H 28% UAN	2.50	PMV	12				
23A»	AUTHORITY	0.14	LAA	9	93	98	92	96
	B»SYNCHRONY STS	0.013	LAA	12				
	C ROUNDUP ULTRA	0.188	LAA	12				
	D AM. SULFATE	8.50	PMG	12				
24A»	AUTHORITY	0.14	LAA	9	92	96	92	95
	B CLASSIC 25WG	0.005	LAA	12				
	C ROUNDUP ULTRA	0.56	LAA	12				
	D AM. SULFATE	8.50	PMG	12				
		LSD (0.05)			12.76	9.31	10.10	12.89
		STANDARD DEVIATION			6.38	4.66	5.05	6.45

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
09 = ----- / PREEMERGENCE 05/20/1999(1)  
12 = ----- / POST 06/17/1999(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/30/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/30/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	POLPY	CON %	06/30/1999	03	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/30/1999	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/30/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/17/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/17/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	POLPY	CON %	07/17/1999	03	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/17/1999	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/17/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3601 RR/STS