

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	05/11/00	06/13/00	AME
AIR TEMPERATURE	71	81	F
% REL.HUMIDITY	75	85	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	15.0	5.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
DEW	---	MOIST	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
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 3302RR/ST		6.00/6.00	IN
05/11/2000			
*** PEST ***			
RAGWEED, COMMON		---/13	
		3.00/3.00	IN
LAMBSQUARTERS, C		---/18	
		2.00/2.00	IN
MORNINGGLORY, IV		---/13	
		2.00/2.00	IN
SMARTWEED, PENNS		---/15	
		4.00/4.00	IN
FOXTAIL, GIANT		---/12	
		4.00/4.00	IN
COCKLEBUR, COMMO		---/12	
		2.00/2.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: USOYSTS WEED CONTROL SYSTEMS IN STS SOYBEAN C-500
CREATED: 04/23/2000 **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 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMBEL	IPOHE	POLPY	CHEAL
		RATE	UNIT		CON % 06/24/00	CON % 06/24/00	CON % 06/24/00	CON % 06/24/00	06/24/00	06/24/00
1A	AUTHORITY	0.188	LAA	9	0	87	84	99	94	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C POAST + 1EC	0.19	LAA	12						
	D»COC	0.63	PMV	12						
	E 28% UAN	2.50	PMV	12						
2A	AUTHORITY	0.188	LAA	9	18	99	99	99	99	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»FLEXSTAR 1.88M	0.29	LAA	12						
	D FUSION	0.21	LAA	12						
	E»COC	0.63	PMV	12						
	F 28% UAN	2.50	PMV	12						
3A	DUAL II MAGNUM	1.91	LAA	9	0	83	72	72	99	82
	B»SYNCHRONY STS	0.013	LAA	12						
	C»COC	0.63	PMV	12						
	D 28% UAN	2.50	PMV	12						
4A	COMMAND 3ME	0.75	LAA	9	0	82	87	67	96	98
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
5A	COMMAND 3ME	0.75	LAA	9	0	77	84	67	95	85
	B»SYNCHRONY STS	0.013	LAA	12						
	C»FIRSTRATE 84WG	0.016	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
6A	PURSUIT +	0.91	LAA	9	0	88	95	90	99	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
7A	RAPTOR 1AS	0.039	LAA	12	17	88	70	67	99	82
	B»SYNCHRONY STS	0.013	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	1.25	PMV	12						
8A	ROUNDUP ULTRA	0.188	LAA	12	0	94	85	65	95	95
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
9A	ROUNDUP ULTRA	0.28	LAA	12	0	97	89	65	99	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	ROUNDUP ULTRA	0.38	LAA	12	0	98	98	65	98	98
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
12A	SYNCHRONY STS	0.013	LAA	12	17	96	99	92	99	93
	B»FLEXSTAR 1.88M	0.29	LAA	12						
	C FUSION	0.21	LAA	12						
	D»COC	0.63	PMV	12						
	E 28% UAN	2.50	PMV	12						
		LSD (0.05)			2.41	8.92	10.20	6.79	6.00	7.67
		STANDARD DEVIATION			1.16	4.30	4.92	3.27	2.87	3.70

TITLE: USOYSTS WEED CONTROL SYSTEMS IN STS SOYBEAN C-500
CREATED: 04/23/2000 **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 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	GLXMA	SETFA	AMBEL	IPOHE	POLPY
		RATE	UNIT		06/24/00	07/11/00	07/11/00	07/11/00	07/11/00	07/11/00
1A	AUTHORITY	0.188	LAA	9	96	5	97	99	99	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C POAST + 1EC	0.19	LAA	12						
	D»COC	0.63	PMV	12						
	E 28% UAN	2.50	PMV	12						
2A	AUTHORITY	0.188	LAA	9	99	5	99	99	99	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»FLEXSTAR 1.88M	0.29	LAA	12						
	D FUSION	0.21	LAA	12						
	E»COC	0.63	PMV	12						
	F 28% UAN	2.50	PMV	12						
3A	DUAL II MAGNUM	1.91	LAA	9	96	0	83	99	89	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»COC	0.63	PMV	12						
	D 28% UAN	2.50	PMV	12						
4A	COMMAND 3ME	0.75	LAA	9	98	0	81	99	92	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
5A	COMMAND 3ME	0.75	LAA	9	98	0	75	99	95	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»FIRSTRATE 84WG	0.016	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
6A	PURSUIT +	0.91	LAA	9	96	0	90	99	96	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
7A	RAPTOR 1AS	0.039	LAA	12	96	8	98	99	94	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	1.25	PMV	12						
8A	ROUNDUP ULTRA	0.188	LAA	12	99	0	94	98	92	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
9A	ROUNDUP ULTRA	0.28	LAA	12	99	0	95	99	85	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	ROUNDUP ULTRA	0.38	LAA	12	98	0	98	99	89	99
	B»SYNCHRONY STS	0.013	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
12A	SYNCHRONY STS	0.013	LAA	12	99	5	98	99	98	99
	B»FLEXSTAR 1.88M	0.29	LAA	12						
	C FUSION	0.21	LAA	12						
	D»COC	0.63	PMV	12						
	E 28% UAN	2.50	PMV	12						
		LSD (0.05)			4.82	0.00	8.19	0.564	6.00	0.00
		STANDARD DEVIATION			2.32	0.00	3.95	0.272	2.90	0.00

TITLE: USOYSTS WEED CONTROL SYSTEMS IN STS SOYBEAN C-500
CREATED: 04/23/2000 **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 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		CHEAL		XANST	
		RATE	UNIT	TM	07/11/00	07/11/00	
1A	AUTHORITY	0.188	LAA	9	99	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	POAST + 1EC	0.19	LAA	12			
D	COC	0.63	PMV	12			
E	28% UAN	2.50	PMV	12			
2A	AUTHORITY	0.188	LAA	9	99	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	FLEXSTAR 1.88M	0.29	LAA	12			
D	FUSION	0.21	LAA	12			
E	COC	0.63	PMV	12			
F	28% UAN	2.50	PMV	12			
3A	DUAL II MAGNUM	1.91	LAA	9	88	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	COC	0.63	PMV	12			
D	28% UAN	2.50	PMV	12			
4A	COMMAND 3ME	0.75	LAA	9	99	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	ACTIVATOR 90	0.25	PMV	12			
D	28% UAN	2.50	PMV	12			
5A	COMMAND 3ME	0.75	LAA	9	96	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	FIRSTRATE 84WG	0.016	LAA	12			
D	COC	1.00	PMV	12			
E	28% UAN	2.50	PMV	12			
6A	PURSUIT +	0.91	LAA	9	99	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	ACTIVATOR 90	0.25	PMV	12			
D	28% UAN	2.50	PMV	12			
7A	RAPTOR 1AS	0.039	LAA	12	99	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	MSO	1.00	PMV	12			
D	28% UAN	1.25	PMV	12			
8A	ROUNDUP ULTRA	0.188	LAA	12	96	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	ACTIVATOR 90	0.25	PMV	12			
D	AM. SULFATE	8.50	PMG	12			
9A	ROUNDUP ULTRA	0.28	LAA	12	94	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	ACTIVATOR 90	0.25	PMV	12			
D	AM. SULFATE	8.50	PMG	12			
10A	CHECK	0.00	NA	0	0	0	
11A	ROUNDUP ULTRA	0.38	LAA	12	98	99	
B	SYNCHRONY STS	0.013	LAA	12			
C	ACTIVATOR 90	0.25	PMV	12			
D	AM. SULFATE	8.50	PMG	12			
12A	SYNCHRONY STS	0.013	LAA	12	87	99	
B	FLEXSTAR 1.88M	0.29	LAA	12			
C	FUSION	0.21	LAA	12			
D	COC	0.63	PMV	12			
E	28% UAN	2.50	PMV	12			
				LSD (0.05)	6.84	0.00	
				STANDARD DEVIATION	3.30	0.00	

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

* TIMING CODES

09 = ----- / PREEMERGENCE 05/11/2000 (1)

12 = ----- / POST 06/13/2000 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	GLXMA	CON %	06/24/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/24/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/24/2000	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	IPOHE	CON %	06/24/2000	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY		06/24/2000	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	CHEAL		06/24/2000	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST		06/24/2000	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA		07/11/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA		07/11/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMBEL		07/11/2000	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	IPOHE		07/11/2000	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY		07/11/2000	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	CHEAL		07/11/2000	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST		07/11/2000	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3302RR/STS