

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	05	UNIT
TIMINGS	09	11	12	13	14	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/20/99	06/09/99	06/17/99	06/21/99	06/25/99	AME
AIR TEMPERATURE	75	83	65	77	87	F
% REL.HUMIDITY	50	70	67	70	65	
WIND DIRECTION	SOUTH	SOUTH	NORTH	---	NORTHEAST	
WIND SPEED	5.0	3.0	5.0	0.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	PARTCLDY	PARTCLDY	CLEAR	
DEW	---	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT						
DENSITY /						
*** CROP ***						
SOYBEAN		---/11	---/12	---/13	---/15	
ASGROW 3601 RR/S		4.00/4.00	5.00/5.00	6.00/6.00	8.00/8.00	IN
05/20/1999						
*** PEST ***						
VELVETLEAF		---/12	---/14	---/16	---/18	
		1.00/2.00	2.00/4.00	3.00/5.00	4.00/6.00	IN
PIGWEEED, SMOOTH		---/13	---/15	---/17	---/19	
		1.00/2.00	2.00/3.00	3.00/4.00	4.00/6.00	IN
LAMBSQUARTERS, C		---/15	---/18	---/19	---/19	
		1.00/2.00	2.00/4.00	3.00/5.00	4.00/6.00	IN
MORNINGGLORY, TA		---/12	---/15	---/18	---/19	
		1.00/2.00	2.00/3.00	3.00/5.00	4.00/6.00	IN
SMARTWEED, PENNS		---/13	---/17	---/19	---/19	
		1.00/2.00	2.00/4.00	3.00/6.00	4.00/8.00	IN
FOXTAIL, GIANT		---/12	---/13	---/14	---/15	
		1.00/2.00	2.00/4.00	3.00/6.00	4.00/8.00	IN
COCKLEBUR, COMMO		---/10	---/12	---/14	---/16	
		1.00/1.00	2.00/2.00	3.00/4.00	4.00/6.00	IN

\* TIMING CODES

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

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 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  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** USOYSYS1 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS I C-500  
**CREATED:** 05/09/1999 **REVISED:** 08/17/1999 **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	CHEAL	AMACH	ABUTH	XANST
		RATE	UNIT		CON % 06/27/99	CON % 06/27/99	CON % 06/27/99	CON % 06/27/99	CON % 06/27/99	CON % 06/27/99
1A»	FRONTIER 6.0EC	0.94	LAA	9	8	95	94	99	95	85
	B BASAGRAN 4SL	1.00	LAA	11						
	C POAST + 1EC	0.20	LAA	11						
	D PINNACLE WG	0.002	LAA	11						
	E 28% UAN	1.25	PMV	11						
2A»	FRONTIER 6.0EC	0.94	LAA	9	13	95	99	99	96	82
	B BASAGRAN 4SL	1.00	LAA	11						
	C POAST + 1EC	0.20	LAA	11						
	D BLAZER 2SL	0.16	LAA	11						
	E 28% UAN	1.25	PMV	11						
3A»	FRONTIER 6.0EC	0.94	LAA	9	8	97	94	94	99	94
	B BASAGRAN 4SL	1.00	LAA	11						
	C POAST + 1EC	0.20	LAA	11						
	D»FIRSTRATE 84WG	0.013	LAA	11						
	E 28% UAN	1.25	PMV	11						
4A»	FRONTIER 6.0EC	0.94	LAA	9	10	98	99	99	98	91
	B CANOPY 75WG	0.094	LAA	9						
	C BASAGRAN 4SL	1.00	LAA	11						
	D POAST + 1EC	0.20	LAA	11						
	E 28% UAN	1.25	PMV	11						
5A»	FRONTIER 6.0EC	0.94	LAA	9	8	97	99	99	96	87
	B»CANOPY XL 56.3	0.07	LAA	0						
	C»AUTHORITY	0.0583	LAA	9						
	D CLASSIC 25WG	0.0117	LAA	9						
	E BASAGRAN 4SL	1.00	LAA	11						
	F POAST + 1EC	0.20	LAA	11						
	G 28% UAN	1.25	PMV	11						
6A»	AUTHORITY	0.118	LAA	9	7	82	99	99	99	88
	B»CANOPY XL 56.3	0.088	LAA	0						
	C»AUTHORITY	0.073	LAA	9						
	D CLASSIC 25WG	0.015	LAA	9						
	E BASAGRAN 4SL	1.00	LAA	11						
	F POAST + 1EC	0.20	LAA	11						
	G 28% UAN	1.25	PMV	11						
7A»	FRONTIER 6.0EC	0.94	LAA	9	8	98	99	99	98	60
	B SENCOR 75WG	0.188	LAA	9						
	C BASAGRAN 4SL	1.00	LAA	11						
	D POAST + 1EC	0.20	LAA	11						
	E 28% UAN	1.25	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	FRONTIER 6.0EC	0.94	LAA	9	2	98	99	99	98	99
	B ROUNDUP ULTRA	0.75	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
10A»	FRONTIER 6.0EC	0.94	LAA	11	0	99	99	99	96	93
	B ROUNDUP ULTRA	0.75	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
11A	ROUNDUP ULTRA	0.75	LAA	12	0	98	99	99	99	99
	B AM. SULFATE	8.50	PMG	12						
12A»	TOUCHDOWN 5 (5	1.00	LAA	12	0	98	99	99	99	98
	B AM. SULFATE	8.50	PMG	12						
13A	PROWL 3.3EC	1.24	LAA	9	2	97	93	99	99	92
	B»RAPTOR 1AS	0.031	LAA	11						
	C»SUNIT II	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						



**TITLE:** USOYSYS1 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS I C-500  
**CREATED:** 05/09/1999 **REVISED:** 08/17/1999 **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	PHBPU	POLPY	GLXMA	SETFA	CHEAL	AMACH
		RATE	UNIT		CON % 06/27/99	CON % 06/27/99	CON % 07/16/99	CON % 07/16/99	CON % 07/16/99	CON % 07/16/99
1A»	FRONTIER 6.0EC	0.94	LAA	9	70	95	0	89	99	99
	B BASAGRAN 4SL	1.00	LAA	11						
	C POAST + 1EC	0.20	LAA	11						
	D PINNACLE WG	0.002	LAA	11						
	E 28% UAN	1.25	PMV	11						
2A»	FRONTIER 6.0EC	0.94	LAA	9	83	96	2	87	99	99
	B BASAGRAN 4SL	1.00	LAA	11						
	C POAST + 1EC	0.20	LAA	11						
	D BLAZER 2SL	0.16	LAA	11						
	E 28% UAN	1.25	PMV	11						
3A»	FRONTIER 6.0EC	0.94	LAA	9	93	99	0	92	94	99
	B BASAGRAN 4SL	1.00	LAA	11						
	C POAST + 1EC	0.20	LAA	11						
	D»FIRSTRATE 84WG	0.013	LAA	11						
	E 28% UAN	1.25	PMV	11						
4A»	FRONTIER 6.0EC	0.94	LAA	9	85	96	0	92	99	99
	B CANOPY 75WG	0.094	LAA	9						
	C BASAGRAN 4SL	1.00	LAA	11						
	D POAST + 1EC	0.20	LAA	11						
	E 28% UAN	1.25	PMV	11						
5A»	FRONTIER 6.0EC	0.94	LAA	9	96	96	0	88	99	99
	B»CANOPY XL 56.3	0.07	LAA	0						
	C»AUTHORITY	0.0583	LAA	9						
	D CLASSIC 25WG	0.0117	LAA	9						
	E BASAGRAN 4SL	1.00	LAA	11						
	F POAST + 1EC	0.20	LAA	11						
	G 28% UAN	1.25	PMV	11						
6A»	AUTHORITY	0.118	LAA	9	85	99	0	74	99	99
	B»CANOPY XL 56.3	0.088	LAA	0						
	C»AUTHORITY	0.073	LAA	9						
	D CLASSIC 25WG	0.015	LAA	9						
	E BASAGRAN 4SL	1.00	LAA	11						
	F POAST + 1EC	0.20	LAA	11						
	G 28% UAN	1.25	PMV	11						
7A»	FRONTIER 6.0EC	0.94	LAA	9	85	99	0	90	99	98
	B SENCOR 75WG	0.188	LAA	9						
	C BASAGRAN 4SL	1.00	LAA	11						
	D POAST + 1EC	0.20	LAA	11						
	E 28% UAN	1.25	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	FRONTIER 6.0EC	0.94	LAA	9	83	53	0	90	96	99
	B ROUNDUP ULTRA	0.75	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
10A»	FRONTIER 6.0EC	0.94	LAA	11	90	91	0	99	99	99
	B ROUNDUP ULTRA	0.75	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
11A	ROUNDUP ULTRA	0.75	LAA	12	63	50	0	88	95	99
	B AM. SULFATE	8.50	PMG	12						
12A»	TOUCHDOWN 5 (5	1.00	LAA	12	62	55	0	87	96	99
	B AM. SULFATE	8.50	PMG	12						
13A	PROWL 3.3EC	1.24	LAA	9	95	85	0	96	99	99
	B»RAPTOR 1AS	0.031	LAA	11						
	C»SUNIT II	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						



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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	ABUTH	XANST	PHBPU	POLPY
		RATE	UNIT		CON % 07/16/99	CON % 07/16/99	CON % 07/16/99	CON % 07/16/99
1A»	FRONTIER 6.0EC	0.94	LAA	9	90	77	75	99
	B BASAGRAN 4SL	1.00	LAA	11				
	C POAST + 1EC	0.20	LAA	11				
	D PINNACLE WG	0.002	LAA	11				
	E 28% UAN	1.25	PMV	11				
2A»	FRONTIER 6.0EC	0.94	LAA	9	83	89	83	93
	B BASAGRAN 4SL	1.00	LAA	11				
	C POAST + 1EC	0.20	LAA	11				
	D BLAZER 2SL	0.16	LAA	11				
	E 28% UAN	1.25	PMV	11				
3A»	FRONTIER 6.0EC	0.94	LAA	9	99	92	92	98
	B BASAGRAN 4SL	1.00	LAA	11				
	C POAST + 1EC	0.20	LAA	11				
	D»FIRSTRATE 84WG	0.013	LAA	11				
	E 28% UAN	1.25	PMV	11				
4A»	FRONTIER 6.0EC	0.94	LAA	9	99	98	87	99
	B CANOPY 75WG	0.094	LAA	9				
	C BASAGRAN 4SL	1.00	LAA	11				
	D POAST + 1EC	0.20	LAA	11				
	E 28% UAN	1.25	PMV	11				
5A»	FRONTIER 6.0EC	0.94	LAA	9	98	95	85	94
	B»CANOPY XL 56.3	0.07	LAA	0				
	C»AUTHORITY	0.0583	LAA	9				
	D CLASSIC 25WG	0.0117	LAA	9				
	E BASAGRAN 4SL	1.00	LAA	11				
	F POAST + 1EC	0.20	LAA	11				
	G 28% UAN	1.25	PMV	11				
6A»	AUTHORITY	0.118	LAA	9	99	90	88	99
	B»CANOPY XL 56.3	0.088	LAA	0				
	C»AUTHORITY	0.073	LAA	9				
	D CLASSIC 25WG	0.015	LAA	9				
	E BASAGRAN 4SL	1.00	LAA	11				
	F POAST + 1EC	0.20	LAA	11				
	G 28% UAN	1.25	PMV	11				
7A»	FRONTIER 6.0EC	0.94	LAA	9	99	89	86	99
	B SENCOR 75WG	0.188	LAA	9				
	C BASAGRAN 4SL	1.00	LAA	11				
	D POAST + 1EC	0.20	LAA	11				
	E 28% UAN	1.25	PMV	11				
8A	CHECK	0.00	NA	0	0	0	0	0
9A»	FRONTIER 6.0EC	0.94	LAA	9	96	99	89	96
	B ROUNDUP ULTRA	0.75	LAA	12				
	C AM. SULFATE	8.50	PMG	12				
10A»	FRONTIER 6.0EC	0.94	LAA	11	90	92	82	99
	B ROUNDUP ULTRA	0.75	LAA	11				
	C AM. SULFATE	8.50	PMG	11				
11A	ROUNDUP ULTRA	0.75	LAA	12	98	99	88	99
	B AM. SULFATE	8.50	PMG	12				
12A»	TOUCHDOWN 5 (5	1.00	LAA	12	99	99	94	99
	B AM. SULFATE	8.50	PMG	12				
13A	PROWL 3.3EC	1.24	LAA	9	99	95	99	99
	B»RAPTOR 1AS	0.031	LAA	11				
	C»SUNIT II	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				



## TITLE: USOYSYS1 WEED CONTROL SYSTEMS IN RR/STS SOYBEANS I C-500

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 %	06/27/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/27/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/27/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMACH	CON %	06/27/1999	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/27/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/27/1999	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/27/1999	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	POLPY	CON %	06/27/1999	08	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	07/16/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/16/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/16/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMACH	CON %	07/16/1999	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	07/16/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/16/1999	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/16/1999	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	POLPY	CON %	07/16/1999	08	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3601 RR/STS