

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 6.0
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE:
 PLOT WIDTH: 7.5 X 29 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/21/99	06/10/99	06/15/99	06/22/99	06/30/99	AME
AIR TEMPERATURE	74	83	71	73	73	F
% REL.HUMIDITY	52	68	45	84	68	
WIND DIRECTION	SOUTHWEST	SOUTH	NORTH	SOUTH	SOUTHWEST	
WIND SPEED	5.0	7.0	3.0	2.0	5.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	PARTCLDY	PARTCLDY	PARTCLDY	
DEW	---	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	WET/MOIST	DRY/MOIST	DRY/MOIST	
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	30.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT						
DENSITY /						
*** CROP ***						
SOYBEAN		---/10	---/11	---/12	---/14	
ASGROW 3601 RR/S		2.00/2.00	3.00/3.00	4.00/4.00	5.00/6.00	IN
05/21/1999						
*** PEST ***						
VELVETLEAF		---/11	---/12	---/14	---/16	
LAMBSQUARTERS, C		1.00/1.00	1.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT		---/13	---/15	---/18	---/19	
		1.00/1.00	1.00/2.00	2.00/3.00	3.00/5.00	IN
		---/12	---/13	---/13	---/14	
		1.00/2.00	2.00/3.00	3.00/5.00	4.00/8.00	IN

* TIMING CODES

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

* STAGE CODE

10 = COTYLEDONS COMPLETELY UNFOLDED
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL 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: WEED CONTROL SYSTEMS IN SOYBEANS SW-1500
CREATED: 04/24/1999 **REVISED:** 12/07/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DEKALB **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 29.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT		CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 08/05/99	CON % 08/05/99
1A	CANOPY XL/AUTH	0.24	LAA	0	0	96	96	99	0	93
B	AUTHORITY	0.20	LAA	9						
C	SKIRMISH/CLASS	0.04	LAA	9						
D	MATADOR/ASSURE	0.055	LAA	12						
E	COC	1.00	PMV	12						
2A	CANOPY XL/AUTH	0.24	LAA	0	0	75	98	96	0	73
B	AUTHORITY	0.20	LAA	9						
C	SKIRMISH/CLASS	0.04	LAA	9						
D	COMMAND 3ME	0.75	LAA	9						
3A	CHECK	0.00	NA	0	0	0	0	0	0	0
4A	PROWL 3.3EC	1.00	LAA	9	3	95	96	97	0	92
B	RAPTOR 1AS	0.032	LAA	11						
C	SUNIT II	0.75	PMV	11						
D	28% UAN	1.25	PMV	11						
5A	BROADSTRIKE +	2.40	LAA	9	0	88	99	96	0	87
B	CANOPY 75WG	0.141	LAA	9						
6A	FIRSTRATE 84WG	0.039	LAA	9	0	75	80	90	0	73
B	DUAL II MAGNUM	1.27	LAA	9						
7A	DUAL II MAGNUM	1.27	LAA	9	0	73	90	90	0	70
B	FIRSTRATE 84WG	0.016	LAA	11						
C	PINNACLE WG	0.002	LAA	11						
D	ACTIVATE PLUS	0.25	PMV	11						
E	28% UAN	2.50	PMV	11						
8A	AUTHORITY	0.188	LAA	9	0	83	96	96	0	82
B	SYNCHRONY STS	0.013	LAA	11						
C	MATADOR/ASSURE	0.055	LAA	11						
D	COC	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						
9A	BROADSTRIKE +	2.40	LAA	9	0	96	99	99	0	93
B	EXPERT 57WG	0.07	LAA	11						
C	ACTION 0.91EC	0.0035	LAA	11						
D	ACTIVATE PLUS	0.25	PMV	11						
10A	FRONTIER 6.0EC	0.94	LAA	9	0	98	99	97	0	95
B	POAST 1.5EC	0.287	LAA	12						
C	GALAXY SL	0.92	LAA	12						
D	COC	0.63	PMV	12						
E	28% UAN	1.25	PMV	12						
11A	FRONTIER X2 6E	0.611	LAA	9	0	97	99	97	0	95
B	POAST 1.5EC	0.287	LAA	12						
C	GALAXY SL	0.92	LAA	12						
D	COC	0.63	PMV	12						
E	28% UAN	1.25	PMV	12						
12A	FLEXSTAR HL 1.	0.294	LAA	11	0	88	88	87	0	88
B	PINNACLE WG	0.002	LAA	11						
C	FUSION	0.208	LAA	11						
D	MISO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						
13A	COMMAND 3ME	0.75	LAA	9	0	98	98	99	0	98
B	FIRSTRATE 84WG	0.031	LAA	9						
C	AUTHORITY	0.25	LAA	9						
14A	COMMAND 3ME	0.75	LAA	9	0	82	93	96	0	78
B	SENCOR 75WG	0.25	LAA	9						
15A	COMMAND 3ME	0.75	LAA	9	0	85	95	95	0	78
B	PYTHON 80WG	0.05	LAA	9						

TITLE: WEED CONTROL SYSTEMS IN SOYBEANS SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT		CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 08/05/99	CON % 08/05/99
16A	»AUTHORITY	0.188	LAA	9	0	93	99	98	0	85
	B»SYNCHRONY STS	0.013	LAA	11						
	C POAST + 1EC	0.188	LAA	11						
	D»COC	1.00	LAA	11						
	E 28% UAN	2.25	LAA	11						
17A	»FLEXSTAR HL	0.294	LAA	11	0	96	99	99	0	92
	B»SYNCHRONY STS	0.013	LAA	11						
	C FUSION	0.208	LAA	11						
	D»METH-OIL	1.00	LAA	11						
	E 28% UAN	2.50	LAA	11						
18A	»FLEXSTAR HL	0.294	LAA	11	0	96	95	96	0	93
	B»SYNCHRONY STS	0.013	LAA	11						
	C FUSION	0.208	LAA	11						
	D»METH-OIL	1.00	LAA	11						
	E 28% UAN	2.50	LAA	11						
19A	ROUNDUP ULTRA	0.75	LAA	12	0	93	96	91	0	92
	B AM. SULFATE	8.50	LAA	12						
20A	ROUNDUP ULTRA	0.56	LAA	10	0	99	99	98	0	98
	B AM. SULFATE	8.50	PMG	10						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
21A	»TOUCHDOWN 5 (5	0.75	LAA	12	0	97	97	92	0	93
	B AM. SULFATE	8.50	PMG	12						
22A	»TOUCHDOWN 5 (5	0.56	LAA	10	0	96	99	87	0	95
	B AM. SULFATE	8.50	PMG	10						
	C»TOUCHDOWN 5 (5	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
23A	»FIRSTRATE 84WG	0.31	LAA	9	0	99	99	99	0	92
	B ROUNDUP ULTRA	0.56	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
24A	»FIRSTRATE 84WG	0.016	LAA	12	0	98	99	93	0	95
	B ROUNDUP ULTRA	0.56	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D AM. SULFATE	8.50	PMG	12						
		LSD (0.05)			1.92	4.80	3.10	4.90	0.00	3.77
		STANDARD DEVIATION			1.00	2.40	1.55	2.45	0.00	1.89

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LOCATION: DEKALB **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 29.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	CHEAL	YIELD
		RATE	UNIT		CON % 08/05/99	CON % 08/05/99	BU/A 10/15/99
1A	CANOPY XL/AUTH	0.24	LAA	0	95	95	38.2
B	AUTHORITY	0.20	LAA	9			
C	SKIRMISH/CLASS	0.04	LAA	9			
D	MATADOR/ASSURE	0.055	LAA	12			
E	COC	1.00	PMV	12			
2A	CANOPY XL/AUTH	0.24	LAA	0	98	98	39.8
B	AUTHORITY	0.20	LAA	9			
C	SKIRMISH/CLASS	0.04	LAA	9			
D	COMMAND 3ME	0.75	LAA	9			
3A	CHECK	0.00	NA	0	0	0	29.4
4A	PROWL 3.3EC	1.00	LAA	9	95	95	47.2
B	RAPTOR 1AS	0.032	LAA	11			
C	SUNIT II	0.75	PMV	11			
D	28% UAN	1.25	PMV	11			
5A	BROADSTRIKE +	2.40	LAA	9	97	95	46.1
B	CANOPY 75WG	0.141	LAA	9			
6A	FIRSTRATE 84WG	0.039	LAA	9	82	88	48.5
B	DUAL II MAGNUM	1.27	LAA	9			
7A	DUAL II MAGNUM	1.27	LAA	9	88	90	43.0
B	FIRSTRATE 84WG	0.016	LAA	11			
C	PINNACLE WG	0.002	LAA	11			
D	ACTIVATE PLUS	0.25	PMV	11			
E	28% UAN	2.50	PMV	11			
8A	AUTHORITY	0.188	LAA	9	93	93	43.2
B	SYNCHRONY STS	0.013	LAA	11			
C	MATADOR/ASSURE	0.055	LAA	11			
D	COC	1.00	PMV	11			
E	28% UAN	2.50	PMV	11			
9A	BROADSTRIKE +	2.40	LAA	9	99	99	44.5
B	EXPERT 57WG	0.07	LAA	11			
C	ACTION 0.91EC	0.0035	LAA	11			
D	ACTIVATE PLUS	0.25	PMV	11			
10A	FRONTIER 6.0EC	0.94	LAA	9	98	95	44.6
B	POAST 1.5EC	0.287	LAA	12			
C	GALAXY SL	0.92	LAA	12			
D	COC	0.63	PMV	12			
E	28% UAN	1.25	PMV	12			
11A	FRONTIER X2 6E	0.611	LAA	9	95	99	40.2
B	POAST 1.5EC	0.287	LAA	12			
C	GALAXY SL	0.92	LAA	12			
D	COC	0.63	PMV	12			
E	28% UAN	1.25	PMV	12			
12A	FLEXSTAR HL 1.	0.294	LAA	11	83	85	45.1
B	PINNACLE WG	0.002	LAA	11			
C	FUSION	0.208	LAA	11			
D	MSO	1.00	PMV	11			
E	28% UAN	2.50	PMV	11			
13A	COMMAND 3ME	0.75	LAA	9	93	98	44.5
B	FIRSTRATE 84WG	0.031	LAA	9			
C	AUTHORITY	0.25	LAA	9			
14A	COMMAND 3ME	0.75	LAA	9	93	99	47.7
B	SENCOR 75WG	0.25	LAA	9			
15A	COMMAND 3ME	0.75	LAA	9	93	93	40.9
B	PYTHON 80WG	0.05	LAA	9			

TITLE: WEED CONTROL SYSTEMS IN SOYBEANS SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE		ABUTH CON %	CHEAL CON %	YIELD BU/A	
		RATE	UNIT	TM	08/05/99	08/05/99	10/15/99
16A	AUTHORITY	0.188	LAA	9	95	95	44.2
	B>>SYNCHRONY STS	0.013	LAA	11			
	C POAST + 1EC	0.188	LAA	11			
	D>>COC	1.00	LAA	11			
	E 28% UAN	2.25	LAA	11			
17A	FLEXSTAR HL	0.294	LAA	11	99	99	38.2
	B>>SYNCHRONY STS	0.013	LAA	11			
	C FUSION	0.208	LAA	11			
	D>>METH-OIL	1.00	LAA	11			
	E 28% UAN	2.50	LAA	11			
18A	FLEXSTAR HL	0.294	LAA	11	93	95	40.5
	B>>SYNCHRONY STS	0.013	LAA	11			
	C FUSION	0.208	LAA	11			
	D>>METH-OIL	1.00	LAA	11			
	E 28% UAN	2.50	LAA	11			
19A	ROUNDUP ULTRA	0.75	LAA	12	95	90	44.5
	B AM. SULFATE	8.50	LAA	12			
20A	ROUNDUP ULTRA	0.56	LAA	10	98	96	42.7
	B AM. SULFATE	8.50	PMG	10			
	C ROUNDUP ULTRA	0.56	LAA	13			
	D AM. SULFATE	8.50	PMG	13			
21A	TOUCHDOWN 5 (5	0.75	LAA	12	95	90	44.0
	B AM. SULFATE	8.50	PMG	12			
22A	TOUCHDOWN 5 (5	0.56	LAA	10	93	88	47.0
	B AM. SULFATE	8.50	PMG	10			
	C>>TOUCHDOWN 5 (5	0.56	LAA	13			
	D AM. SULFATE	8.50	PMG	13			
23A	FIRSTRATE 84WG	0.31	LAA	9	98	98	43.4
	B ROUNDUP ULTRA	0.56	LAA	13			
	C AM. SULFATE	8.50	PMG	13			
24A	FIRSTRATE 84WG	0.016	LAA	12	96	92	43.5
	B ROUNDUP ULTRA	0.56	LAA	12			
	C>>ACTIVATE PLUS	0.25	PMV	12			
	D AM. SULFATE	8.50	PMG	12			
				LSD (0.05)	2.37	2.62	6.42
				STANDARD DEVIATION	1.18	1.31	3.21

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/21/1999 (1)
- 10 = ----- / VEPOST 06/10/1999 (2)
- 11 = ----- / EPOST 06/15/1999 (3)
- 12 = ----- / POST 06/22/1999 (4)
- 13 = ----- / LPOST 06/30/1999 (5)

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 %	07/20/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/20/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	07/20/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	07/20/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	08/05/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	08/05/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	08/05/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	08/05/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	YIELD	BU/A	10/15/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3601 RR/STS