

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	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/21/99	06/22/99	06/30/99	AME
AIR TEMPERATURE	74	73	74	F
% REL.HUMIDITY	45	84	72	
WIND DIRECTION	SOUTHWEST	SOUTH	SOUTHWEST	
WIND SPEED	5.0	2.0	6.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	PARTCLDY	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT				
DEN/ STG/ MINMAXSZ				
*** CROP ***				
SOYBEAN		---/12	---/14	
ASGROW 3601 RR/S		4.00/4.00	5.00/6.00	IN
05/21/1999				
*** PEST ***				
VELVETLEAF		---/14	---/16	
LAMBSQUARTERS, C		2.00/4.00	4.00/6.00	IN
FOXTAIL, GIANT		---/16	---/19	
		1.00/2.00	2.00/4.00	IN
		---/13	---/14	
		3.00/5.00	6.00/10.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST
 13 = ----- / LPOST

* STAGE CODE

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: FLEXSTAR/TOUCHDOWN FOR WEED CONTROL/RRSOYBEAN SW-1500
CREATED: 04/26/1999 **REVISED:** 11/05/1999 **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	ROUNDUP ULTRA	0.75	LAA	12	0	96	96	96	0	93
B	AM. SULFATE	8.50	PMG	12						
2A	ROUNDUP ULTRA	0.56	LAA	12	0	97	99	99	0	93
B	AM. SULFATE	8.50	PMG	12						
C	ROUNDUP ULTRA	0.56	LAA	13						
D	AM. SULFATE	8.50	PMG	13						
3A	CHECK	0.00	NA	0	0	0	0	0	0	0
4A	RAPTOR 1AS	0.032	LAA	12	7	96	99	97	2	95
B	MISO	1.00	PMV	12						
C	28% UAN	2.50	PMV	12						
5A	FLEXSTAR 1.88M	0.294	LAA	12	7	93	98	83	0	92
B	FUSION	0.208	LAA	12						
C	MISO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
6A	FLEXSTAR 1.88M	0.176	LAA	12	5	92	95	85	0	90
B	FUSION	0.208	LAA	12						
C	FIRSTRATE 84WG	0.016	LAA	12						
D	MISO	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
7A	FLEXSTAR 1.88M	0.235	LAA	12	7	96	98	87	0	93
B	FUSION	0.208	LAA	12						
C	FIRSTRATE 84WG	0.008	LAA	12						
D	MISO	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
8A	FLEXSTAR 1.88M	0.294	LAA	12	12	92	99	85	0	90
B	FUSION	0.208	LAA	12						
C	SYNCHRONY STS	0.008	LAA	12						
D	MISO	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
9A	FLEXSTAR 1.88M	0.294	LAA	12	10	96	97	93	0	93
B	FUSION	0.208	LAA	12						
C	SYNCHRONY	0.0066	LAA	12						
D	MISO	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
10A	FLEXSTAR 1.88M	0.294	LAA	12	8	33	92	82	0	0
B	MISO	1.00	PMV	12						
C	28% UAN	2.50	PMV	12						
11A	REFLEX 2LC	0.294	LAA	12	8	37	96	95	0	0
B	MISO	1.00	PMV	12						
C	28% UAN	2.50	PMV	12						
12A	REFLEX 2LC	0.294	LAA	12	7	37	95	68	0	0
B	COC	1.00	PMV	12						
C	28% UAN	2.50	PMV	12						
13A	TOUCHDOWN 5 (5	1.00	LAA	12	0	97	99	96	0	93
B	AM. SULFATE	8.50	PMG	12						
14A	TOUCHDOWN 5 (5	1.00	LAA	12	7	99	99	98	2	93
B	FLEXSTAR (1SL)	0.12	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
15A	TOUCHDOWN 5 (5	1.00	LAA	12	5	98	99	98	0	95
B	FLEXSTAR (1SL)	0.176	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
16A	TOUCHDOWN 5 (5	1.00	LAA	12	0	96	99	94	0	98
B	FIRSTRATE 84WG	0.008	LAA	12						
C	AM. SULFATE	8.50	PMG	12						

TITLE: FLEXSTAR/TOUCHDOWN FOR WEED CONTROL/RRSOYBEAN SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT TM	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 08/05/99	CON % 08/05/99
17A»	TOUCHDOWN 5 (5)	1.00	LAA 12	0	96	99	96	0	95
	B»FIRSTRATE 84WG	0.016	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
18A»	TOUCHDOWN 5 (5)	1.00	LAA 12	0	96	96	96	0	93
	B BASAGRAN 4SL	0.02	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
19A»	TOUCHDOWN 5 (5)	1.00	LAA 12	0	96	96	96	0	92
	B FUSION	0.0025	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
20A»	CANOPY XL 56.3	0.14	LAA 9	0	96	99	99	0	99
	B»TOUCHDOWN 5 (5)	1.00	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
21A	PROWL 3.3EC	1.25	LAA 9	5	98	98	96	0	93
	B PURSUIT DG (70)	0.063	LAA 12						
	C»MSO	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
			LSD (0.05)	3.38	4.22	2.39	3.42	1.43	3.00
			STANDARD DEVIATION	1.67	2.09	1.18	1.69	0.709	1.50

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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	ROUNDUP ULTRA	0.75	LAA	12	95	93	40.6
B	AM. SULFATE	8.50	PMG	12			
2A	ROUNDUP ULTRA	0.56	LAA	12	98	98	49.5
B	AM. SULFATE	8.50	PMG	12			
C	ROUNDUP ULTRA	0.56	LAA	13			
D	AM. SULFATE	8.50	PMG	13			
3A	CHECK	0.00	NA	0	0	0	36.8
4A	RAPTOR 1AS	0.032	LAA	12	99	95	46.5
B	MISO	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
5A	FLEXSTAR 1.88M	0.294	LAA	12	95	82	39.8
B	FUSION	0.208	LAA	12			
C	MISO	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
6A	FLEXSTAR 1.88M	0.176	LAA	12	95	90	45.5
B	FUSION	0.208	LAA	12			
C	FIRSTRATE 84WG	0.016	LAA	12			
D	MISO	1.00	PMV	12			
E	28% UAN	2.50	PMV	12			
7A	FLEXSTAR 1.88M	0.235	LAA	12	98	85	43.6
B	FUSION	0.208	LAA	12			
C	FIRSTRATE 84WG	0.008	LAA	12			
D	MISO	1.00	PMV	12			
E	28% UAN	2.50	PMV	12			
8A	FLEXSTAR 1.88M	0.294	LAA	12	95	82	45.5
B	FUSION	0.208	LAA	12			
C	SYNCHRONY STS	0.008	LAA	12			
D	MISO	1.00	PMV	12			
E	28% UAN	2.50	PMV	12			
9A	FLEXSTAR 1.88M	0.294	LAA	12	98	95	42.3
B	FUSION	0.208	LAA	12			
C	SYNCHRONY	0.0066	LAA	12			
D	MISO	1.00	PMV	12			
E	28% UAN	2.50	PMV	12			
10A	FLEXSTAR 1.88M	0.294	LAA	12	92	80	39.3
B	MISO	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
11A	REFLEX 2LC	0.294	LAA	12	92	92	40.1
B	MISO	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
12A	REFLEX 2LC	0.294	LAA	12	92	67	39.0
B	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
13A	TOUCHDOWN 5 (5	1.00	LAA	12	93	93	46.3
B	AM. SULFATE	8.50	PMG	12			
14A	TOUCHDOWN 5 (5	1.00	LAA	12	96	93	43.3
B	FLEXSTAR (1SL)	0.12	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
15A	TOUCHDOWN 5 (5	1.00	LAA	12	98	99	47.0
B	FLEXSTAR (1SL)	0.176	LAA	12			
C	AM. SULFATE	8.50	PMG	12			
16A	TOUCHDOWN 5 (5	1.00	LAA	12	99	92	44.4
B	FIRSTRATE 84WG	0.008	LAA	12			
C	AM. SULFATE	8.50	PMG	12			

TITLE: FLEXSTAR/TOUCHDOWN FOR WEED CONTROL/RRSOYBEAN SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 08/05/99	CHEAL CON % 08/05/99	YIELD BU/A 10/15/99
17A»	TOUCHDOWN 5 (5)	1.00	LAA	12	98	98	42.0
	B»FIRSTRATE 84WG	0.016	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
18A»	TOUCHDOWN 5 (5)	1.00	LAA	12	97	93	42.3
	B BASAGRAN 4SL	0.02	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
19A»	TOUCHDOWN 5 (5)	1.00	LAA	12	96	95	41.4
	B FUSION	0.0025	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
20A»	CANOPY XL 56.3	0.14	LAA	9	99	99	42.1
	B»TOUCHDOWN 5 (5)	1.00	LAA	12			
	C AM. SULFATE	8.50	PMG	12			
21A	PROWL 3.3EC	1.25	LAA	9	93	93	40.9
	B PURSUIT DG (70)	0.063	LAA	12			
	C»MSO	1.00	PMV	12			
	D 28% UAN	2.50	PMV	12			
	LSD (0.05)				3.21	3.19	6.95
	STANDARD DEVIATION				1.59	1.58	3.44

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/21/1999(1)
- 12 = ----- / POST 06/22/1999(2)
- 13 = ----- / LPOST 06/30/1999(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	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