

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06/15/01	AME
AIR TEMPERATURE	78	F
% REL.HUMIDITY	65	
WIND DIRECTION	WEST	
WIND SPEED	7.0	M/H
CLOUD COVER	CLEAR	
DEW	DRY	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	NA/15	
DEKALB CX303 RR	6.00/6.00	IN
05/10/2001		
*** PEST ***		
VELVETLEAF	HGH/14	
	2.00/4.00	IN
FIGWEED, SMOOTH	HGH/16	
	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/18	
	2.00/4.00	IN
MORNINGGLORY, TA	HGH/16	
	2.00/4.00	IN
FOXTAIL, GIANT	HGH/13	
	2.00/6.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

- 13 = 3 LEAVES UNFOLDED
- 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
- 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Total Postemergence weed control in Soybean C-400

CREATED: 05/02/2001 REVISED: 08/20/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Urbana

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH
		RATE	UNIT		CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01
1A»	TOUCHDOWN 3L	0.75	LAA 12		0	99	96	96	85	99
B»	LIQUID AMS	2.50	PMV 12							
2A»	TOUCHDOWN 3L	0.75	LAA 12		7	98	99	99	96	99
B»	FLEXSTAR 1.88M	0.176	LAA 12							
C»	LIQUID AMS	2.50	PMV 12							
3A»	GLYPHOMAX PLUS	0.75	LAA 12		0	99	99	99	88	99
B»	LIQUID AMS	2.50	PMV 12							
4A»	FIRSTRATE 84WG	0.016	LAA 12		0	99	99	99	90	99
B»	GLYPHOMAX PLUS	0.75	LAA 12							
C»	LIQUID AMS	2.50	PMV 12							
5A»	RNDUP ULTRA MA	0.75	LAA 12		0	99	99	99	87	99
B»	LIQUID AMS	2.50	PMV 12							
6A»	RNDUP ULTRA MA	0.75	LAA 12		0	99	99	99	90	99
B»	AMPLIFY 84WG	0.016	LAA 12							
C»	LIQUID AMS	2.50	PMV 12							
7A»	ROUNDUP ORIGIN	0.75	LAA 12		0	99	99	99	88	99
B»	ACTIVATOR 90	0.25	PMV 12							
C»	LIQUID AMS	2.50	PMV 12							
8A»	ROUNDUP CUSTOM	0.75	LAA 12		0	99	96	99	88	99
B»	ACTIVATOR 90	0.25	PMV 12							
C»	LIQUID AMS	2.50	PMV 12							
9A»	CORNERSTONE 3L	0.75	LAA 12		1	99	96	99	88	99
B»	CLASS ACT NG	2.50	PMV 12							
10A»	FLEXSTAR 1.88M	0.294	LAA 12		20	99	63	94	30	96
B	FUSION	0.21	LAA 12							
C»	MSO	1.00	PMV 12							
D	28% UAN	2.50	PMV 12							
11A»	FLEXSTAR 1.88M	0.294	LAA 12		18	96	87	99	70	99
B	FUSION	0.21	LAA 12							
C»	HARMONY GT 75W	0.002	LAA 12							
D»	MSO	1.00	PMV 12							
E	28% UAN	2.50	PMV 12							
12A»	RAPTOR 1AS	0.039	LAA 12		3	85	72	93	82	90
B»	MSO	1.00	PMV 12							
C	28% UAN	2.50	PMV 12							
13A»	OUTLOOK 6EC	0.375	LAA 12		22	93	93	99	87	95
B»	RAPTOR 1AS	0.031	LAA 12							
C»	ULTRA BLAZER	0.125	LAA 12							
D»	MSO	1.00	PMV 12							
E»	LIQUID AMS	3.67	PMV 12							
14A»	OUTLOOK 6EC	0.56	LAA 12		20	98	92	99	87	99
B»	RAPTOR 1AS	0.031	LAA 12							
C»	ULTRA BLAZER	0.125	LAA 12							
D»	MSO	1.00	PMV 12							
E»	LIQUID AMS	3.67	PMV 12							
15A	PURSUIT DG (70	0.063	LAA 12		2	88	65	78	68	88
B»	MSO	1.00	PMV 12							
C	28% UAN	2.50	PMV 12							
16A	SELECT (2EC)	0.094	LAA 12		13	82	68	77	57	90
B	COBRA 2EC	0.125	LAA 12							
C»	COC	0.63	PMV 12							

DATA MEAN

TITLE: Total Postemergence weed control in Soybean C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH
		RATE	UNIT		CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01
17A	FIRSTRATE 84WG	0.016	LAA 12		8	93	63	95	83	95
	B COBRA 2EC	0.094	LAA 12							
	C SELECT (2EC)	0.094	LAA 12							
	D»COC	0.63	PMV 12							
	E»LIQUID AMS	5.00	PMV 12							
18A	SELECT (2EC)	0.094	LAA 12		7	88	72	50	50	55
	B»V-10086 2EC	0.125	LAA 12							
	C»LIQUID AMS	3.67	PMV 12							
19A	»RNDUP ULTRA MA	0.75	LAA 12		6	99	99	99	99	99
	B»S-3153 58WG	0.018	LAA 12							
	C»LIQUID AMS	2.50	PMV 12							
20A	»V-10078 4.07SC	1.02	LAA 12		9	99	96	99	99	99
	B»COC	1.00	PMV 12							
	C»LIQUID AMS	3.67	PMV 12							
21A	CHECK	0.00	NA 0		0	0	0	0	0	0
22A	»RNDUP ULTRA MA	0.75	LAA 12		1	99	99	99	85	99
	B»FIRSTRATE 84WG	0.008	LAA 12							
	C»LIQUID AMS	2.50	PMV 12							
23A	SELECT (2EC)	0.125	LAA 12		3	90	0	0	0	0
	B»COC	0.63	PMV 12							
	C»LIQUID AMS	3.67	PMV 12							
24A	SELECT (2EC)	0.125	LAA 12		10	95	80	90	72	91
	B»HARMONY GT 75W	0.004	LAA 12							
	C»COC	0.63	PMV 12							
	D»LIQUID AMS	3.67	PMV 12							
25A	SELECT (2EC)	0.125	LAA 12		18	96	88	90	80	90
	B»HARMONY GT 75W	0.004	LAA 12							
	C COBRA 2EC	0.125	LAA 12							
	D»COC	0.63	PMV 12							
	E»LIQUID AMS	3.67	PMV 12							
26A	SELECT (2EC)	0.125	LAA 12		20	96	91	95	90	95
	B»HARMONY GT 75W	0.004	LAA 12							
	C»V-10086 2EC	0.125	LAA 12							
	D»COC	0.63	PMV 12							
	E»LIQUID AMS	3.67	PMV 12							
		LSD (0.05)			6.61	6.33	6.71	7.56	11.00	5.26
		STANDARD DEVIATION			3.31	3.16	3.36	3.78	5.49	2.63

DATA MEAN

TITLE: Total Postemergence weed control in Soybean C-400

CREATED: 05/02/2001 REVISED: 08/20/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Urbana

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH
		RATE	UNIT		CON % 07/13/01	CON % 07/13/01	CON % 07/13/01	CON % 07/13/01	CON % 07/13/01	CON % 07/13/01
1A»	TOUCHDOWN 3L	0.75	LAA 12		0	98	96	91	82	96
B»	LIQUID AMS	2.50	PMV 12							
2A»	TOUCHDOWN 3L	0.75	LAA 12		0	98	98	98	93	99
B»	FLEXSTAR 1.88M	0.176	LAA 12							
C»	LIQUID AMS	2.50	PMV 12							
3A»	GLYPHOMAX PLUS	0.75	LAA 12		0	98	97	89	80	99
B»	LIQUID AMS	2.50	PMV 12							
4A»	FIRSTRATE 84WG	0.016	LAA 12		0	97	99	99	86	99
B»	GLYPHOMAX PLUS	0.75	LAA 12							
C»	LIQUID AMS	2.50	PMV 12							
5A»	RNDUP ULTRA MA	0.75	LAA 12		0	96	97	90	78	96
B»	LIQUID AMS	2.50	PMV 12							
6A»	RNDUP ULTRA MA	0.75	LAA 12		0	96	96	92	77	97
B»	AMPLIFY 84WG	0.016	LAA 12							
C»	LIQUID AMS	2.50	PMV 12							
7A»	ROUNDUP ORIGIN	0.75	LAA 12		0	95	98	92	80	97
B»	ACTIVATOR 90	0.25	PMV 12							
C»	LIQUID AMS	2.50	PMV 12							
8A»	ROUNDUP CUSTOM	0.75	LAA 12		0	98	92	95	78	98
B»	ACTIVATOR 90	0.25	PMV 12							
C»	LIQUID AMS	2.50	PMV 12							
9A»	CORNERSTONE 3L	0.75	LAA 12		0	96	91	94	77	96
B»	CLASS ACT NG	2.50	PMV 12							
10A»	FLEXSTAR 1.88M	0.294	LAA 12		0	96	65	87	57	96
B	FUSION	0.21	LAA 12							
C»	MSO	1.00	PMV 12							
D	28% UAN	2.50	PMV 12							
11A»	FLEXSTAR 1.88M	0.294	LAA 12		1	94	88	96	70	98
B	FUSION	0.21	LAA 12							
C»	HARMONY GT 75W	0.002	LAA 12							
D»	MSO	1.00	PMV 12							
E	28% UAN	2.50	PMV 12							
12A»	RAPTOR 1AS	0.039	LAA 12		0	85	73	92	75	93
B»	MSO	1.00	PMV 12							
C	28% UAN	2.50	PMV 12							
13A»	OUTLOOK 6EC	0.375	LAA 12		0	93	91	98	85	92
B»	RAPTOR 1AS	0.031	LAA 12							
C»	ULTRA BLAZER	0.125	LAA 12							
D»	MSO	1.00	PMV 12							
E»	LIQUID AMS	3.67	PMV 12							
14A»	OUTLOOK 6EC	0.56	LAA 12		0	96	87	96	87	98
B»	RAPTOR 1AS	0.031	LAA 12							
C»	ULTRA BLAZER	0.125	LAA 12							
D»	MSO	1.00	PMV 12							
E»	LIQUID AMS	3.67	PMV 12							
15A	PURSUIT DG (70	0.063	LAA 12		0	83	47	85	62	87
B»	MSO	1.00	PMV 12							
C	28% UAN	2.50	PMV 12							
16A	SELECT (2EC)	0.094	LAA 12		0	82	63	70	43	85
B	COBRA 2EC	0.125	LAA 12							
C»	COC	0.63	PMV 12							

DATA MEAN

TITLE: Total Postemergence weed control in Soybean C-400

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	07/13/01	07/13/01	07/13/01	07/13/01	07/13/01	07/13/01
17A	FIRSTRATE 84WG	0.016	LAA 12	0	92	65	95	68	96
	B COBRA 2EC	0.094	LAA 12						
	C SELECT (2EC)	0.094	LAA 12						
	D»COC	0.63	PMV 12						
	E»LIQUID AMS	5.00	PMV 12						
18A	SELECT (2EC)	0.094	LAA 12	0	88	63	43	43	43
	B»V-10086 2EC	0.125	LAA 12						
	C»LIQUID AMS	3.67	PMV 12						
19A	RNDUP ULTRA MA	0.75	LAA 12	0	94	99	99	97	99
	B»S-3153 58WG	0.018	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
20A	V-10078 4.07SC	1.02	LAA 12	0	98	96	99	97	99
	B»COC	1.00	PMV 12						
	C»LIQUID AMS	3.67	PMV 12						
21A	CHECK	0.00	NA 0	0	0	0	0	0	0
22A	RNDUP ULTRA MA	0.75	LAA 12	0	96	99	99	80	98
	B»FIRSTRATE 84WG	0.008	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
23A	SELECT (2EC)	0.125	LAA 12	0	88	0	0	0	0
	B»COC	0.63	PMV 12						
	C»LIQUID AMS	3.67	PMV 12						
24A	SELECT (2EC)	0.125	LAA 12	0	90	83	85	62	87
	B»HARMONY GT 75W	0.004	LAA 12						
	C»COC	0.63	PMV 12						
	D»LIQUID AMS	3.67	PMV 12						
25A	SELECT (2EC)	0.125	LAA 12	0	94	83	92	70	91
	B»HARMONY GT 75W	0.004	LAA 12						
	C COBRA 2EC	0.125	LAA 12						
	D»COC	0.63	PMV 12						
	E»LIQUID AMS	3.67	PMV 12						
26A	SELECT (2EC)	0.125	LAA 12	0	96	88	94	85	95
	B»HARMONY GT 75W	0.004	LAA 12						
	C»V-10086 2EC	0.125	LAA 12						
	D»COC	0.63	PMV 12						
	E»LIQUID AMS	3.67	PMV 12						
		LSD (0.05)		0.555	6.00	8.20	6.00	10.49	5.27
		STANDARD DEVIATION		0.277	3.00	4.10	3.00	5.25	2.64

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 06/15/2001(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	GLXMA	CON %	06/29/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	06/29/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	06/29/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	06/29/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	PHBPU	CON %	06/29/2001	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	AMACH	CON %	06/29/2001	06	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	GLXMA	CON %	07/13/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	SETFA	CON %	07/13/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	CHEAL	CON %	07/13/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	ABUTH	CON %	07/13/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	PHBPU	CON %	07/13/2001	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	AMACH	CON %	07/13/2001	06	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB CX303 RR