

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
PH: 6.0  
%OM: 6.0  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 28 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQMIX	
APPLICATION DATE	06/16/03	AME
AIR TEMPERATURE	81	F
% REL.HUMIDITY	36	
WIND DIRECTION	SOUTHWEST	
WIND SPEED		M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
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	
*** PEST ***		
VELVETLEAF	HGH/15 4.00/4.00	IN
LAMBSQUARTERS, C	HGH/19 4.00/4.00	IN
SMARTWEED, PENNS	MED/19 6.00/6.00	IN
FOXTAIL, GIANT	HGH/16 6.00/8.00	IN
CORN, DENT PIONEER 33G29 LL 04/28/2003	---/15 12.0/12.0	IN

\* TIMING CODES

11 = ----- / EPOST

\* STAGE CODE

15 = 5 LEAVES UNFOLDED  
16 = 6 LEAVES UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Total postemergence weed control in corn SW-1500  
**CREATED:** 04/17/2003 **REVISED:** 11/17/2003 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Dekalb **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	ABUTH	ABUTH	CHEAL	POLPY	ZEAMD
		RATE	UNIT		CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 07/16/03
1A	ACCENT 75WG	0.016	LAA 11		0	79	99	99	99	0
	B»CALLISTO 4SC	0.094	LAA 11							
	C ATRAZINE DF	1.00	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
2A	ACCENT 75WG	0.023	LAA 11		0	80	99	99	99	0
	B»CALLISTO 4SC	0.094	LAA 11							
	C ATRAZINE DF	1.00	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
3A	ACCENT 75WG	0.023	LAA 11		0	82	96	75	99	0
	B»HORNET 68.5WG	0.128	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
4A	ACCENT 75WG	0.023	LAA 11		0	78	99	99	99	0
	B»DISTINCT 70WG	0.175	LAA 11							
	C»ACTIVATOR 90	0.25	PMV 11							
	D 28% UAN	2.50	PMV 11							
5A»	STEADFAST 75DF	0.016	LAA 11		0	80	99	99	96	0
	B»CALLISTO 4SC	0.094	LAA 11							
	C ATRAZINE DF	1.00	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
6A»	STEADFAST 75DF	0.023	LAA 11		0	78	99	99	96	0
	B»CALLISTO 4SC	0.094	LAA 11							
	C ATRAZINE DF	1.00	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
7A	CHECK	0.00	NA 0		0	0	0	0	0	0
8A»	STEADFAST 75DF	0.035	LAA 11		0	85	99	99	99	0
	B»CALLISTO 4SC	0.094	LAA 11							
	C ATRAZINE DF	1.00	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
9A»	STEADFAST 75DF	0.035	LAA 11		0	88	99	95	99	0
	B»CALLISTO 4SC	0.047	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
10A»	STEADFAST 75DF	0.035	LAA 11		0	85	99	99	99	0
	B»CALLISTO 4SC	0.047	LAA 11							
	C ATRAZINE DF	0.75	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
11A»	STEADFAST 75DF	0.035	LAA 11		0	88	92	92	99	0
	B»DISTINCT 70WG	0.088	LAA 11							
	C ATRAZINE DF	0.25	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
12A»	STEADFAST ATZ	1.10	LAA 0		0	83	88	90	99	0
	B»STEADFAST 75DF	0.035	LAA 11							
	C ATRAZINE DF	0.75	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
13A»	STEADFAST 75DF	0.035	LAA 11		0	85	88	88	99	0
	B ATRAZINE DF	1.00	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							

## TITLE: Total postemergence weed control in corn SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06/27/03	ABUTH CON % 06/27/03	ABUTH CON % 06/27/03	CHEAL CON % 06/27/03	POLPY CON % 06/27/03	ZEAMD CON % 07/16/03
14A»	STEADFAST 75DF	0.035	LAA	11	0	87	92	90	96	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
15A»	OPTION 35WDG	0.033	LAA	11	0	83	99	99	99	0
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
16A»	OPTION 35WDG	0.033	LAA	11	0	87	99	99	99	0
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
17A»	OPTION 35WDG	0.033	LAA	11	0	88	96	90	99	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A»	OPTION 35WDG	0.033	LAA	11	0	89	99	99	99	0
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
19A»	OPTION 35WDG	0.033	LAA	11	0	93	98	85	99	0
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
20A»	EQUIP 62WG	0.058	LAA	11	0	92	99	83	99	0
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
21A»	EQUIP 62WG	0.058	LAA	11	0	93	99	99	99	0
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	5.43	3.38	4.44	3.24	0.00
		STANDARD DEVIATION			0.00	2.68	1.67	2.20	1.60	0.00

**TITLE:** Total postemergence weed control in corn SW-1500  
**CREATED:** 04/17/2003 **REVISED:** 11/17/2003 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Dekalb **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	ABUTH	CHEAL	POLPY	YIELD
		RATE	UNIT		CON % 07/16/03	CON % 07/16/03	CON % 07/16/03	CON % 07/16/03	BU/A 11/01/03
1A	ACCENT 75WG	0.016	LAA 11		70	99	99	99	147.6
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
2A	ACCENT 75WG	0.023	LAA 11		73	99	99	99	167.4
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
3A	ACCENT 75WG	0.023	LAA 11		81	99	77	99	165.3
	B»HORNET 68.5WG	0.128	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
4A	ACCENT 75WG	0.023	LAA 11		75	99	99	99	145.2
	B»DISTINCT 70WG	0.175	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D 28% UAN	2.50	PMV 11						
5A»	STEADFAST 75DF	0.016	LAA 11		69	99	99	98	141.4
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
6A»	STEADFAST 75DF	0.023	LAA 11		71	99	99	96	128.2
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
7A	CHECK	0.00	NA 0		0	0	0	0	11.3
8A»	STEADFAST 75DF	0.035	LAA 11		83	99	99	99	172.7
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
9A»	STEADFAST 75DF	0.035	LAA 11		88	98	97	98	148.7
	B»CALLISTO 4SC	0.047	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
10A»	STEADFAST 75DF	0.035	LAA 11		83	99	99	99	160.1
	B»CALLISTO 4SC	0.047	LAA 11						
	C ATRAZINE DF	0.75	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
11A»	STEADFAST 75DF	0.035	LAA 11		93	98	93	99	144.6
	B»DISTINCT 70WG	0.088	LAA 11						
	C ATRAZINE DF	0.25	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
12A»	STEADFAST ATZ	1.10	LAA 0		80	73	86	99	147.2
	B»STEADFAST 75DF	0.035	LAA 11						
	C ATRAZINE DF	0.75	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
13A»	STEADFAST 75DF	0.035	LAA 11		85	72	75	99	136.9
	B ATRAZINE DF	1.00	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						

TITLE: Total postemergence weed control in corn SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	ABUTH	CHEAL	POLPY	YIELD	
		RATE	UNIT		CON % 07/16/03	CON % 07/16/03	CON % 07/16/03	CON % 07/16/03	BU/A 11/01/03	
14A	»STEADFAST 75DF	0.035	LAA	11	83	99	85	99	150.3	
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
15A	»OPTION 35WDG	0.033	LAA	11	70	99	99	99	133.6	
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
16A	»OPTION 35WDG	0.033	LAA	11	76	99	99	99	158.0	
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
17A	»OPTION 35WDG	0.033	LAA	11	93	99	98	99	147.9	
	B»HORNET 68.5WG	0.128	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	»OPTION 35WDG	0.033	LAA	11	95	99	98	99	152.9	
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
19A	»OPTION 35WDG	0.033	LAA	11	93	96	75	77	156.8	
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
20A	»EQUIP 62WG	0.058	LAA	11	95	98	93	99	147.0	
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
21A	»EQUIP 62WG	0.058	LAA	11	96	98	99	99	151.4	
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
					LSD (0.05)	7.44	3.23	8.22	3.08	36.00
					STANDARD DEVIATION	3.68	1.60	4.07	1.53	17.83

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
11 = ----- / EPOST 06/16/2003(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	06/27/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ABUTH	CON %	06/27/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/27/2003	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/27/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/27/2003	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/16/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/16/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	07/16/2003	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/16/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	07/16/2003	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	YIELD	BU/A	11/01/2003	01	P	ZEAMD		RAW	ALL	YLD	BU	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G29 LL/YG