

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/12/04	06/03/04	06/09/04	06/15/04	AME
AIR TEMPERATURE	77	75	72	79	F
% REL.HUMIDITY	65	60	75	76	
WIND DIRECTION	SOUTH	SOUTHWEST	WEST	EAST	
WIND SPEED	12.0	5.0	7.0	7.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLOUDY	PARTCLDY	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPTMRO	SPTMRO	SPTMRO	SPTMRO	
PROPELLANT	PUMP	PUMP	PUMP	PUMP	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	0	0	0	0	
NOZZLE SPACING	0.000	0.000	0.000	0.000	IN
SWATH WIDTH	0.0	0.0	0.0	0.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
CORN, DENT		---/13	---/14	---/15	
PIONEER 33P67		6.00/6.00	8.00/8.00	12.0/12.0	IN
05/11/2004					
*** PEST ***					
WATERHEMP, COMMO		---/13	---/15	---/19	
		1.00/1.00	2.00/2.00	2.00/4.00	IN
RAGWEED, COMMON		---/11	---/13	---/14	
		2.00/2.00	2.00/4.00	3.00/5.00	IN
FOXTAIL, GIANT		---/12	---/13	---/14	
		1.00/3.00	2.00/4.00	3.00/6.00	IN
COCKLEBUR, COMMO		---/11	---/13	---/14	
		2.00/2.00	2.00/4.00	3.00/6.00	IN

\* TIMING CODES

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

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** BT Weed Control Systems in Glyphosate Resistant Corn  
**CREATED:** 05/12/2004 **REVISED:** 11/04/2004 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** BROWNSTOWN 600-700 **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 32.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	XANST	AMBEL	AMATA	ZEAMD
		RATE	UNIT		CON % 06/03/04	CON % 06/03/04	CON % 06/03/04	CON % 06/03/04	CON % 06/03/04	CON % 06/15/04
1A	»LEXAR 3.7L	2.32	LAA	9	0	99	78	99	99	0
2A	»LEXAR 3.7L	2.32	LAA	9	0	99	92	99	99	0
	B PRINCEP 4L	1.00	LAA	9						
3A	»LUMAX 3.9L	2.46	LAA	9	0	99	85	99	99	0
4A	»BICEP II MAGNU	2.89	LAA	9	0	99	88	98	98	0
5A	»STALWART EXTRA	2.89	LAA	9	0	92	72	96	93	0
6A	»STALWART EXTRA	2.89	LAA	9	0	96	88	99	99	0
	B»BALANCE PRO 4S	0.047	LAA	9						
7A	»KEYSTONE 5.25L	3.50	LAA	9	0	96	96	99	99	0
	B»HORNET 68.5WG	0.128	LAA	9						
8A	HARNESS XTRA	2.80	LAA	9	0	99	89	99	99	0
	B»BALANCE PRO 4S	0.07	LAA	9						
9A	»EPIC PRO 4L	0.375	LAA	9	0	99	88	99	99	0
	B ATRAZINE DF	1.00	LAA	9						
10A	»USA 2005 4L	0.50	LAA	9	0	95	67	96	93	0
11A	»USA 2005 4L	0.50	LAA	9	0	99	77	99	99	0
	B ATRAZINE DF	1.00	LAA	9						
12A	»KIH ATZ-B 57.8	1.10	LAA	9	0	99	77	99	99	0
13A	»KEYSTONE 5.25L	3.28	LAA	9	0	93	96	99	99	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
14A	»KEYSTONE 5.25L	3.28	LAG	9	0	96	96	99	98	2
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»CALLISTO 4SC	0.023	LAA	11						
	E»COC	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
15A	»GUARDS MAX 5L	2.50	LAA	9	0	96	88	96	98	8
	B MARKSMAN SC	1.20	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
16A	»GUARDS MAX 5L	2.50	LAA	9	0	98	88	99	99	3
	B»DISTINCT 70WG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	3.67	PMV	11						
17A	»OUTLOOK 6EC	0.56	LAA	9	0	96	50	98	96	3
	B»WEATHERMAX 4.5	0.56	LAA	11						
	C»DISTINCT 70WG	0.131	LAA	11						
	D ATRAZINE DF	0.75	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
	F»LIQUID AMS	3.67	PMV	11						
18A	»WEATHERMAX 4.5	0.56	LAA	11	0					2
	B»DISTINCT 70WG	0.131	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	3.67	PMV	11						
19A	»WEATHERMAX 4.5	0.56	LAA	11	0					5
	B CLARITY	0.25	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D»LIQUID AMS	3.67	PMV	11						

## TITLE: BT Weed Control Systems in Glyphosate Resistant Corn

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	XANST	AMBEL	AMATA	ZEAMD
		RATE	UNIT	TM	CON % 06/03/04	CON % 06/03/04	CON % 06/03/04	CON % 06/03/04	CON % 06/03/04	CON % 06/15/04
20A	CINCH ATZ 5.5L	1.03	LAA	9	0	99	88	99	99	0
	B>STEADFAST ATZ	0.78	LAA	0						
	C>STEADFAST 75DF	0.035	LAA	11						
	D ATRAZINE DF	0.75	LAA	11						
	E>CALLISTO 4SC	0.047	LAA	11						
	F>COC	1.00	PMV	11						
	G>LIQUID AMS	3.67	PMV	11						
21A	BICEP II MAGNU	3.56	LAA	9	0	98	92	99	99	0
	B>CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D>COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
22A	KEYSTONE 5.25L	1.97	LAA	9	0	98	85	95	97	2
	B>GF-1279 4LB AE	0.75	LAA	12						
	C>LIQUID AMS	2.50	PMV	12						
23A	BALANCE PRO 4S	0.07	LAA	9	0	98	83	96	99	13
	B ATRAZINE DF	1.00	LAA	9						
	C>EQUIP 62WG	0.058	LAA	12						
	D>MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
24A	DUAL II MAGNUM	1.59	LAA	9	0	98	0	73	92	7
	B>CALLISTO 4SC	0.094	LAA	12						
	C BUCTRIL 2EC	0.094	LAA	12						
	D>COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
25A	CHECK	0.00	NA	0	0	0	0	0	0	0
26A	HARNESS XTRA	1.89	LAA	9	0	99	87	99	98	0
	B>WEATHERMAX 4.5	0.75	LAA	12						
	C>LIQUID AMS	3.67	PMV	12						
27A	STALWART EXTRA	1.83	LAA	9	0	98	78	99	99	0
	B>WEATHERMAX 4.5	0.75	LAA	12						
	C>LIQUID AMS	3.67	PMV	12						
28A	WEATHERMAX 4.5	0.75	LAA	11	0					0
	B>LIQUID AMS	3.67	PMV	11						
	C>WEATHERMAX 4.5	0.56	LAA	13						
	D>LIQUID AMS	3.67	PMV	13						
		LSD (0.05)			0.00	5.37	16.35	7.67	4.56	4.26
		STANDARD DEVIATION			0.00	2.69	8.17	3.84	2.28	2.13

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 32.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	XANST	AMBEL	AMATA
		RATE	UNIT		CON % 06/15/04	CON % 06/15/04	CON % 06/15/04	CON % 06/15/04
1A	»LEXAR 3.7L	2.32	LAA	9	98	85	99	99
2A	»LEXAR 3.7L	2.32	LAA	9	98	95	99	99
	B PRINCEP 4L	1.00	LAA	9				
3A	»LUMAX 3.9L	2.46	LAA	9	94	78	99	99
4A	»BICEP II MAGNU	2.89	LAA	9	98	85	92	98
5A	»STALWART EXTRA	2.89	LAA	9	90	67	86	80
6A	»STALWART EXTRA	2.89	LAA	9	93	87	99	99
	B»BALANCE PRO 4S	0.047	LAA	9				
7A	»KEYSTONE 5.25L	3.50	LAA	9	98	96	98	97
	B»HORNET 68.5WG	0.128	LAA	9				
8A	HARNESS XTRA	2.80	LAA	9	68	84	99	99
	B»BALANCE PRO 4S	0.07	LAA	9				
9A	»EPIC PRO 4L	0.375	LAA	9	96	80	99	92
	B ATRAZINE DF	1.00	LAA	9				
10A	»USA 2005 4L	0.50	LAA	9	96	62	95	91
11A	»USA 2005 4L	0.50	LAA	9	98	63	99	99
	B ATRAZINE DF	1.00	LAA	9				
12A	»KIH ATZ-B 57.8	1.10	LAA	9	99	63	99	99
13A	»KEYSTONE 5.25L	3.28	LAA	9	92	93	98	99
	B»HORNET 68.5WG	0.128	LAA	11				
	C»COC	1.00	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
14A	»KEYSTONE 5.25L	3.28	LAG	9	99	92	99	97
	B»HORNET 68.5WG	0.128	LAA	11				
	C ATRAZINE DF	0.25	LAA	11				
	D»CALLISTO 4SC	0.023	LAA	11				
	E»COC	1.00	PMV	11				
	F»LIQUID AMS	2.50	PMV	11				
15A	»GUARDS MAX 5L	2.50	LAA	9	99	88	99	98
	B MARKSMAN SC	1.20	LAA	11				
	C»LIQUID AMS	2.50	PMV	11				
16A	»GUARDS MAX 5L	2.50	LAA	9	99	87	99	99
	B»DISTINCT 70WG	0.175	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	3.67	PMV	11				
17A	»OUTLOOK 6EC	0.56	LAA	9	99	73	99	95
	B»WEATHERMAX 4.5	0.56	LAA	11				
	C»DISTINCT 70WG	0.131	LAA	11				
	D ATRAZINE DF	0.75	LAA	11				
	E»ACTIVATOR 90	0.25	PMV	11				
	F»LIQUID AMS	3.67	PMV	11				
18A	»WEATHERMAX 4.5	0.56	LAA	11	99	98	99	99
	B»DISTINCT 70WG	0.131	LAA	11				
	C ATRAZINE DF	0.75	LAA	11				
	D»ACTIVATOR 90	0.25	PMV	11				
	E»LIQUID AMS	3.67	PMV	11				
19A	»WEATHERMAX 4.5	0.56	LAA	11	98	96	99	99
	B CLARITY	0.25	LAA	11				
	C ATRAZINE DF	0.75	LAA	11				
	D»LIQUID AMS	3.67	PMV	11				

TITLE: BT Weed Control Systems in Glyphosate Resistant Corn

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	XANST	AMBEL	AMATA
		RATE	UNIT		CON % 06/15/04	CON % 06/15/04	CON % 06/15/04	CON % 06/15/04
20A	CINCH ATZ 5.5L	1.03	LAA	9	99	90	99	98
	B>STEADFAST ATZ	0.78	LAA	0				
	C>STEADFAST 75DF	0.035	LAA	11				
	D ATRAZINE DF	0.75	LAA	11				
	E>CALLISTO 4SC	0.047	LAA	11				
	F>COC	1.00	PMV	11				
	G>LIQUID AMS	3.67	PMV	11				
21A	BICEP II MAGNU	3.56	LAA	9	99	99	99	99
	B>CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D>COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
22A	KEYSTONE 5.25L	1.97	LAA	9	98	88	98	98
	B>GF-1279 4LB AE	0.75	LAA	12				
	C>LIQUID AMS	2.50	PMV	12				
23A	BALANCE PRO 4S	0.07	LAA	9	99	90	98	99
	B ATRAZINE DF	1.00	LAA	9				
	C>EQUIP 62WG	0.058	LAA	12				
	D>MSO	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
24A	DUAL II MAGNUM	1.59	LAA	9	98	57	96	97
	B>CALLISTO 4SC	0.094	LAA	12				
	C BUCTRIL 2EC	0.094	LAA	12				
	D>COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
25A	CHECK	0.00	NA	0	0	0	0	0
26A	HARNESS XTRA	1.89	LAA	9	99	94	98	98
	B>WEATHERMAX 4.5	0.75	LAA	12				
	C>LIQUID AMS	3.67	PMV	12				
27A	STALWART EXTRA	1.83	LAA	9	96	77	96	99
	B>WEATHERMAX 4.5	0.75	LAA	12				
	C>LIQUID AMS	3.67	PMV	12				
28A	WEATHERMAX 4.5	0.75	LAA	11				
	B>LIQUID AMS	3.67	PMV	11				
	C>WEATHERMAX 4.5	0.56	LAA	13				
	D>LIQUID AMS	3.67	PMV	13				
		LSD (0.05)			17.00	16.00	4.26	4.59
		STANDARD DEVIATION			8.49	8.00	2.13	2.29

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/12/2004(1)
- 11 = ----- / EPOST 06/03/2004(2)
- 12 = ----- / POST 06/09/2004(3)
- 13 = ----- / LPOST 06/15/2004(4)

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 %	06/03/2004	01	P	ZEAMD	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/03/2004	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	XANST	CON %	06/03/2004	03	P	XANST	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBEL	CON %	06/03/2004	04	P	AMBEL	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/03/2004	05	P	AMATA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/15/2004	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/15/2004	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	06/15/2004	03	P	XANST	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMBEL	CON %	06/15/2004	04	P	AMBEL	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/15/2004	05	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33P67

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2 LEAVES UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4 LEAVES UNFOLDED  
15 = 5 LEAVES UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED