

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 28 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/29/02	06/19/02	AME
AIR TEMPERATURE	74	86	F
% REL. HUMIDITY	55	55	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	2.0	4.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
DEW	---	DRY	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/15	
PIONEER 33P67		11.0/15.0	IN
05/28/2002			
*** PEST ***			
RAGWEED, COMMON		---/13	
		2.00/4.00	IN
FOXTAIL, GIANT		---/12	
		3.00/5.00	IN
COCKLEBUR, COMMO		---/13	
		3.00/5.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 11 = ----- / EPOST

## \* STAGE CODE

12 = 2 LEAVES UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5 LEAVES UNFOLDED

## DATA MEAN

**TITLE:** Sequential Systems with Atrazine Premixes in Corn C6  
**CREATED:** 05/15/2002 **REVISED:** 09/20/2002 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** BTOWN C6 **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			ZEAMD	SETFA	AMBEL	XANST	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/24/02	CON % 06/24/02	CON % 06/24/02	CON % 06/24/02	CON % 08/05/02	CON % 08/05/02
1A	BICEP II MAGNU	2.89	LAA	9	0	43	93	96	0	42
2A	GUARDS MAX 5L	2.50	LAA	9	0	77	99	99	0	72
	B MARKSMAN SC	1.20	LAA	11						
	C LIQUID AMS	2.50	PMV	11						
3A	LUMAX 3.9L	1.46	LAA	9	0	58	99	90	0	60
	B LUMAX 3.9L	0.98	LAA	11						
	C COC	1.00	PMV	11						
4A	BICEP II MAGNU	1.92	LAA	9	0	47	99	96	0	33
	B BICEP II MAGNU	0.98	LAA	11						
	C COC	1.00	PMV	11						
5A	BICEP II MAGNU	1.92	LAA	9	0	53	99	99	0	50
	B BICEP II MAGNU	0.98	LAA	11						
	C CALLISTO 4SC	0.094	LAA	11						
	D COC	1.00	PMV	11						
6A	BICEP II MAGNU	1.92	LAA	9	0	62	97	99	0	65
	B LUMAX 3.9L	0.98	LAA	11						
	C COC	1.00	PMV	11						
7A	BICEP II MAGNU	1.92	LAA	9	0	68	98	99	0	72
	B LUMAX 3.9L	1.22	LAA	11						
	C COC	1.00	PMV	11						
8A	GUARDS MAX 5L	1.25	LAA	9	0	60	96	88	0	60
	B GUARDS MAX 5L	1.25	LAA	11						
	C COC	1.00	PMV	11						
9A	GUARDS MAX 5L	1.25	LAA	9	0	67	96	96	0	53
	B GUARDS MAX 5L	1.25	LAA	11						
	C MARKSMAN SC	1.20	LAA	11						
	D LIQUID AMS	2.50	PMV	11						
10A	DEFINE 60DF	0.34	LAA	9	0	47	99	96	0	43
	B ATRAZINE DF	1.00	LAA	9						
	C DEFINE 60DF	0.31	LAA	11						
	D ATRAZINE DF	1.00	LAA	11						
	E COC	1.00	PMV	11						
11A	BICEP II MAGNU	2.89	LAA	9	0	40	93	60	0	40
	B CALLISTO 4SC	0.094	LAA	11						
	C COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
12A	BICEP II MAGNU	2.89	LAA	9	0	43	88	57	0	65
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
13A	BICEP II MAGNU	1.16	LAA	9	0	23	87	37	0	99
	B STEADFAST 75DF	0.035	LAA	11						
	C CALLISTO 4SC	0.047	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
14A	BICEP II MAGNU	1.16	LAA	9	0	33	85	30	0	99
	B STEADFAST 75DF	0.035	LAA	11						
	C CALLISTO 4SC	0.047	LAA	11						
	D ATRAZINE DF	0.75	LAA	11						
	E COC	1.00	PMV	11						
	F 28% UAN	5.00	PMV	11						

## DATA MEAN

TITLE: Sequential Systems with Atrazine Premixes in Corn C6

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMBEL	XANST	ZEAMD	SETFA
		RATE	UNIT		CON % 06/24/02	CON % 06/24/02	CON % 06/24/02	CON % 06/24/02	CON % 08/05/02	CON % 08/05/02
15A	BICEP II MAGNU	1.16	LAA	9	0	30	68	30	0	99
	B»STEADFAST 75DF	0.035	LAA	11						
	C»CALLISTO 4SC	0.094	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
16A	BICEP II MAGNU	1.16	LAA	9	0	33	50	27	0	99
	B»STEADFAST 75DF	0.035	LAA	11						
	C»DISTINCT 70WG	0.088	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	5.00	PMV	11						
17A	BICEP II MAGNU	2.89	LAA	9	0	50	77	47	0	99
	B»OPTION 35WDG	0.033	LAA	11						
	C»DISTINCT 70WG	0.088	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
18A	BICEP II MAGNU	2.89	LAA	9	0	50	77	40	0	88
	B»SPIRIT 57WG	0.036	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
19A	GUARDS MAX 5L	2.50	LAA	9	0	63	83	53	0	67
	B»DISTINCT 70WG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0
21A	FULTIME 4SC	3.00	LAA	9	0	73	68	43	0	72
	B»HORNET 68.5WG	0.128	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
22A	BICEP II MAGNU	2.89	LAA	9	0	65	60	37	0	99
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
23A	EPIC 58DF	0.25	LAA	9	0	67	99	87	0	70
	B ATRAZINE DF	1.00	LAA	9						
	C»DEFINE 60DF	0.30	LAA	11						
	D ATRAZINE DF	1.00	LAA	11						
	E»COC	1.00	PMV	11						
24A	BALANCE PRO 4S	0.094	LAA	9	0	73	96	43	0	99
	B»OPTION 35WDG	0.033	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	5.00	PMV	11						
		LSD (0.05)			0.00	16.45	9.34	12.62	0.00	16.73
		STANDARD DEVIATION			0.00	8.22	4.67	6.31	0.00	8.37

## DATA MEAN

**TITLE:** Sequential Systems with Atrazine Premixes in Corn C6  
**CREATED:** 05/15/2002 **REVISED:** 09/20/2002 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** BTOWN C6 **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			AMBEL	XANST
		RATE	UNIT	TM	CON % 08/05/02	CON % 08/05/02
1A	BICEP II MAGNU	2.89	LAA	9	93	96
2A	GUARDS MAX 5L	2.50	LAA	9	99	99
	B MARKSMAN SC	1.20	LAA	11		
	C LIQUID AMS	2.50	PMV	11		
3A	LUMAX 3.9L	1.46	LAA	9	99	99
	B LUMAX 3.9L	0.98	LAA	11		
	C COC	1.00	PMV	11		
4A	BICEP II MAGNU	1.92	LAA	9	99	96
	B BICEP II MAGNU	0.98	LAA	11		
	C COC	1.00	PMV	11		
5A	BICEP II MAGNU	1.92	LAA	9	99	96
	B BICEP II MAGNU	0.98	LAA	11		
	C CALLISTO 4SC	0.094	LAA	11		
	D COC	1.00	PMV	11		
6A	BICEP II MAGNU	1.92	LAA	9	97	99
	B LUMAX 3.9L	0.98	LAA	11		
	C COC	1.00	PMV	11		
7A	BICEP II MAGNU	1.92	LAA	9	98	99
	B LUMAX 3.9L	1.22	LAA	11		
	C COC	1.00	PMV	11		
8A	GUARDS MAX 5L	1.25	LAA	9	96	90
	B GUARDS MAX 5L	1.25	LAA	11		
	C COC	1.00	PMV	11		
9A	GUARDS MAX 5L	1.25	LAA	9	96	96
	B GUARDS MAX 5L	1.25	LAA	11		
	C MARKSMAN SC	1.20	LAA	11		
	D LIQUID AMS	2.50	PMV	11		
10A	DEFINE 60DF	0.34	LAA	9	99	96
	B ATRAZINE DF	1.00	LAA	9		
	C DEFINE 60DF	0.31	LAA	11		
	D ATRAZINE DF	1.00	LAA	11		
	E COC	1.00	PMV	11		
11A	BICEP II MAGNU	2.89	LAA	9	96	99
	B CALLISTO 4SC	0.094	LAA	11		
	C COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
12A	BICEP II MAGNU	2.89	LAA	9	99	99
	B CALLISTO 4SC	0.094	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D COC	1.00	PMV	11		
	E 28% UAN	2.50	PMV	11		
13A	BICEP II MAGNU	1.16	LAA	9	99	99
	B STEADFAST 75DF	0.035	LAA	11		
	C CALLISTO 4SC	0.047	LAA	11		
	D ATRAZINE DF	0.25	LAA	11		
	E COC	1.00	PMV	11		
	F 28% UAN	2.50	PMV	11		
14A	BICEP II MAGNU	1.16	LAA	9	99	99
	B STEADFAST 75DF	0.035	LAA	11		
	C CALLISTO 4SC	0.047	LAA	11		
	D ATRAZINE DF	0.75	LAA	11		
	E COC	1.00	PMV	11		
	F 28% UAN	5.00	PMV	11		

## DATA MEAN

TITLE: Sequential Systems with Atrazine Premixes in Corn C6

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMBEL	XANST
		RATE	UNIT		CON % 08/05/02	CON % 08/05/02
15A	BICEP II MAGNU	1.16	LAA	9	99	99
	B»STEADFAST 75DF	0.035	LAA	11		
	C»CALLISTO 4SC	0.094	LAA	11		
	D ATRAZINE DF	0.25	LAA	11		
	E»COC	1.00	PMV	11		
	F 28% UAN	2.50	PMV	11		
16A	BICEP II MAGNU	1.16	LAA	9	99	94
	B»STEADFAST 75DF	0.035	LAA	11		
	C»DISTINCT 70WG	0.088	LAA	11		
	D»COC	1.00	PMV	11		
	E»LIQUID AMS	5.00	PMV	11		
17A	BICEP II MAGNU	2.89	LAA	9	99	99
	B»OPTION 35WDG	0.033	LAA	11		
	C»DISTINCT 70WG	0.088	LAA	11		
	D»MSO	1.00	PMV	11		
	E 28% UAN	2.50	PMV	11		
18A	BICEP II MAGNU	2.89	LAA	9	99	99
	B»SPIRIT 57WG	0.036	LAA	11		
	C ATRAZINE DF	1.00	LAA	11		
	D»COC	1.00	PMV	11		
	E 28% UAN	2.50	PMV	11		
19A	GUARDS MAX 5L	2.50	LAA	9	96	98
	B»DISTINCT 70WG	0.175	LAA	11		
	C»ACTIVATOR 90	0.25	PMV	11		
	D»LIQUID AMS	2.50	PMV	11		
20A	CHECK	0.00	NA	0	0	0
21A	FULTIME 4SC	3.00	LAA	9	99	99
	B»HORNET 68.5WG	0.128	LAA	11		
	C»ACTIVATOR 90	0.25	PMV	11		
	D»LIQUID AMS	2.50	PMV	11		
22A	BICEP II MAGNU	2.89	LAA	9	99	99
	B»BASIS GOLD 90D	0.79	LAA	11		
	C»COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
23A	EPIC 58DF	0.25	LAA	9	99	99
	B ATRAZINE DF	1.00	LAA	9		
	C»DEFINE 60DF	0.30	LAA	11		
	D ATRAZINE DF	1.00	LAA	11		
	E»COC	1.00	PMV	11		
24A	BALANCE PRO 4S	0.094	LAA	9	99	99
	B»OPTION 35WDG	0.033	LAA	11		
	C ATRAZINE DF	1.00	LAA	11		
	D»MSO	1.00	PMV	11		
	E»LIQUID AMS	5.00	PMV	11		
		LSD (0.05)			5.00	5.62
		STANDARD DEVIATION			2.52	2.81

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/29/2002(1)

11 = ----- / EPOST 06/19/2002(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	ZEAMD	CON %	06/24/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	06/24/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMBEL	CON %	06/24/2002	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	XANST	CON %	06/24/2002	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## DATA MEAN

TITLE: Sequential Systems with Atrazine Premixes in Corn C6

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
05	ZEAMD	CON %	08/05/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	SETFA	CON %	08/05/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	AMBEL	CON %	08/05/2002	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	XANST	CON %	08/05/2002	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33P67