

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	09	
TYPE	LIQMIX	
APPLICATION DATE	04/29/03	AME
AIR TEMPERATURE	60	F
% REL.HUMIDITY	44	
WIND DIRECTION	WEST	
WIND SPEED		M/H
CLOUD COVER	CLEAR	
DEW	NO	
SOIL MOISTURE	DRY/DRY	
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 ***		
CORN, DENT	---/01	
PIONEER 33G29 LL	/	IN
04/28/2003		

\* TIMING CODES  
 09 = ----- / PREEMERGENCE

\* STAGE CODE  
 01 = BEGINNING OF IMBIBITION

**TITLE:** Preemergence herbicide programs in corn SW-1500  
**CREATED:** 04/17/2003 **REVISED:** 11/06/2003 **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	TREATMENT	DOSAGE		ZEAMD	ZEAMD	SETFA	ABUTH	CHEAL	POLPY	
NUM	COMPONENT	RATE	UNIT	BU/A	CON %	CON %	CON %	CON %	CON %	
			TM	05/20/03	05/28/03	05/28/03	05/28/03	05/28/03	05/28/03	
1A	LUMAX 3.9L	2.95	LAA	9	0	0	99	99	99	99
2A	LUMAX 3.9L	2.95	LAA	9	0	0	99	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
3A	LUMAX 3.9L	2.95	LAA	9	0	0	99	99	99	99
	B PRINCEP 4L	1.00	LAA	9						
4A	BICEP II MAGNU	3.58	LAA	9	0	0	99	80	99	99
5A	HARNES XTRA	4.20	LAA	9	0	0	99	82	99	99
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	EPIC 58DF	0.54	LAA	9	0	0	99	99	99	99
8A	KEYSTONE 5.25L	4.60	LAA	9	0	0	99	93	99	99
9A	KEYSTONE 5.25L	4.60	LAA	9	0	0	99	93	99	99
	B HORNET 68.5WG	0.128	LAA	9						
10A	KEYSTONE 5.25L	2.10	LAA	9	0	0	99	99	99	99
	B BALANCE PRO 4S	0.094	LAA	9						
11A	STALWART C 7.8	1.95	LAA	9	0	0	99	0	99	99
12A	STALWART EXTRA	3.58	LAA	9	0	0	99	73	99	99
13A	GUARDS MAX 5L	2.88	LAA	9	0	0	99	87	99	99
14A	LUMAX 3.9L	2.46	LAA	9	0	0	99	98	99	99
15A	LUMAX 3.9L	2.46	LAA	9	0	0	98	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
16A	LUMAX 3.9L	2.46	LAA	9	0	0	99	99	99	99
	B PRINCEP 4L	1.00	LAA	9						
17A	BICEP II MAGNU	2.89	LAA	9	0	0	99	75	99	99
18A	FULTIME 4SC	3.50	LAA	9	0	0	99	92	99	99
	B HORNET 68.5WG	0.128	LAA	9						
19A	GUARDS MAX 5L	2.50	LAA	9	0	0	99	98	99	99
	B BALANCE PRO 4S	0.047	LAA	9						
20A	DEFINE 60DF	0.45	LAA	9	0	0	98	98	99	99
	B BALANCE PRO 4S	0.07	LAA	9						
21A	BALANCE PRO 4S	0.094	LAA	9	0	0	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
22A	DEFINE 60DF	0.45	LAA	9	0	0	99	99	99	99
	B BALANCE PRO 4S	0.07	LAA	9						
	C ATRAZINE DF	1.50	LAA	9						
23A	EPIC 58DF	0.47	LAA	9	0	0	99	98	99	99
	B ATRAZINE DF	1.50	LAA	9						
24A	KIH-485 3.57L	0.19	LAA	9	0	0	99	83	99	99
	B ATRAZINE DF	1.50	LAA	9						
		LSD (0.05)			0.00	0.00	1.10	7.00	0.192	0.00
		STANDARD DEVIATION			0.00	0.00	0.55	3.49	0.096	0.00

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**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	SETFA	ABUTH	CHEAL	POLPY	YIELD
		RATE	UNIT		CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	BU/A 11/01/03
1A	LUMAX 3.9L	2.95	LAA	9	0	88	98	99	99	157.1
2A	LUMAX 3.9L	2.95	LAA	9	0	85	99	99	99	173.3
	B ATRAZINE DF	1.00	LAA	9						
3A	LUMAX 3.9L	2.95	LAA	9	0	92	99	99	99	165.7
	B PRINCEP 4L	1.00	LAA	9						
4A	BICEP II MAGNU	3.58	LAA	9	0	83	70	91	99	145.4
5A	HARNESS XTRA	4.20	LAA	9	0	95	85	98	91	141.2
6A	CHECK	0.00	NA	0	0	0	0	0	0	72.2
7A	EPIC 58DF	0.54	LAA	9	0	83	99	99	99	150.7
8A	KEYSTONE 5.25L	4.60	LAA	9	0	91	77	99	99	148.1
9A	KEYSTONE 5.25L	4.60	LAA	9	0	96	96	99	99	157.0
	B HORNET 68.5WG	0.128	LAA	9						
10A	KEYSTONE 5.25L	2.10	LAA	9	0	92	98	99	99	152.8
	B BALANCE PRO 4S	0.094	LAA	9						
11A	STALWART C 7.8	1.95	LAA	9	0	82	0	70	0	107.1
12A	STALWART EXTRA	3.58	LAA	9	0	88	72	89	99	150.6
13A	GUARDS MAX 5L	2.88	LAA	9	0	95	83	98	99	170.5
14A	LUMAX 3.9L	2.46	LAA	9	0	81	99	99	99	163.1
15A	LUMAX 3.9L	2.46	LAA	9	0	88	99	99	99	166.9
	B ATRAZINE DF	1.00	LAA	9						
16A	LUMAX 3.9L	2.46	LAA	9	0	82	96	99	99	166.8
	B PRINCEP 4L	1.00	LAA	9						
17A	BICEP II MAGNU	2.89	LAA	9	0	90	72	92	99	146.8
18A	FULTIME 4SC	3.50	LAA	9	0	95	77	98	99	149.7
	B HORNET 68.5WG	0.128	LAA	9						
19A	GUARDS MAX 5L	2.50	LAA	9	0	97	96	99	99	160.1
	B BALANCE PRO 4S	0.047	LAA	9						
20A	DEFINE 60DF	0.45	LAA	9	0	83	98	99	99	168.6
	B BALANCE PRO 4S	0.07	LAA	9						
21A	BALANCE PRO 4S	0.094	LAA	9	0	87	99	99	99	159.7
	B ATRAZINE DF	1.50	LAA	9						
22A	DEFINE 60DF	0.45	LAA	9	0	89	96	98	99	165.6
	B BALANCE PRO 4S	0.07	LAA	9						
	C ATRAZINE DF	1.50	LAA	9						
23A	EPIC 58DF	0.47	LAA	9	0	88	98	99	99	164.2
	B ATRAZINE DF	1.50	LAA	9						
24A	KIH-485 3.57L	0.19	LAA	9	0	80	73	99	99	142.8
	B ATRAZINE DF	1.50	LAA	9						
		LSD (0.05)			0.00	8.00	6.32	7.88	4.62	24.66
		STANDARD DEVIATION			0.00	4.00	3.16	3.94	2.31	12.33

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING

## \* TIMING CODES

09 = ----- / PREEMERGENCE 04/29/2003(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	BU/A	05/20/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	05/28/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	05/28/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	05/28/2003	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	05/28/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	05/28/2003	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/27/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/27/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/27/2003	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/27/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	POLPY	CON %	06/27/2003	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	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