

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 0.0  
 PREV.CROP: GLYMA - WATERGRASS, GREAT  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 28 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	04/29/04	AME
AIR TEMPERATURE	62	F
% REL.HUMIDITY	74	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	4.0	M/H
CLOUD COVER	OVERCAST	
DEW	NA/UNKNOW	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	SPECIAL	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** PEST *** VELVETLEAF	MED/01 /	IN
RAGWEED, GIANT	MED/01 /	IN
LAMBSQUARTERS, C	MED/01 /	IN
FOXTAIL, GIANT	MED/01 /	IN

\* TIMING CODES

09 = PREPRE / PREEMERGENCE

\* STAGE CODE

01 = BEGINNING OF IMIBIBITION

**TITLE:** Preemergence herbicide programs in corn SW-1500S  
**CREATED:** 04/20/2004 **REVISED:** 12/12/2004 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DeKalb **RESEARCHED BY:**  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	AMBTR	ZEAMD
		RATE	UNIT		CON % 05/26/04	CON % 05/26/04	CON % 05/26/04	CON % 05/26/04	CON % 05/26/04	CON % 06/24/04
1A	BICEP II MAGNU	3.58	LAA	9	0	99	91	99	94	2
2A	BICEP II MAGNU	3.58	LAA	9	0	99	98	99	98	2
B	BALANCE PRO 4S	0.047	LAA	9						
3A	STALWART EXTRA	3.58	LAA	9	0	99	99	99	98	3
B	BALANCE PRO 4S	0.047	LAA	9						
4A	BICEP II MAGNU	3.58	LAA	9	0	99	97	99	99	0
B	PRINCEP 4L	1.00	LAA	9						
5A	LUMAX 3.9L	2.13	LAA	9	0	99	99	99	98	5
6A	LUMAX 3.9L	2.95	LAA	9	1	99	99	99	98	3
7A	LUMAX 3.9L	2.95	LAA	9	0	99	99	99	98	3
B	PRINCEP 4L	1.00	LAA	9						
8A	LUMAX 3.9L	2.95	LAA	9	0	99	99	99	95	0
B	ATRAZINE DF	1.00	LAA	9						
9A	LEXAR 3.7L	2.32	LAA	9	0	98	99	99	90	2
10A	LEXAR 3.7L	2.76	LAA	9	1	99	99	99	96	0
11A	LEXAR 3.7L	3.23	LAA	9	0	99	99	99	99	5
12A	LEXAR 3.7L	2.76	LAA	9	2	99	99	99	99	0
B	PRINCEP 4L	1.00	LAA	9						
13A	LEXAR 3.7L	3.23	LAA	9	0	99	99	99	99	0
B	PRINCEP 4L	1.00	LAA	9						
14A	CAMIX 3.66L	2.20	LAA	9	0	99	98	99	96	2
B	PRINCEP 4L	1.00	LAA	9						
15A	HARNESS EXTRA	3.78	LAA	9	1	99	93	99	95	0
16A	DEGREE XTRA 4S	3.33	LAA	9	0	98	90	99	95	2
17A	USA 2001 71.5W	0.66	LAA	9	0	99	98	99	98	2
B	ATRAZINE DF	1.00	LAA	9						
18A	USA 2005 4L	0.63	LAA	9	2	99	99	99	99	5
B	ATRAZINE DF	1.00	LAA	9						
19A	BALANCE PRO 4S	0.086	LAA	9	3	98	97	99	98	7
B	ATRAZINE DF	1.00	LAA	9						
20A	BALANCE PRO 4S	0.08	LAA	9	2	99	99	99	98	3
B	DEFINE 4SC	0.67	LAA	9						
21A	BALANCE PRO 4S	0.07	LAA	9	1	99	98	99	99	7
B	DEFINE 4SC	0.375	LAA	9						
C	ATRAZINE DF	1.00	LAA	9						
22A	EPIC PRO 4L	0.435	LAA	9	0	99	97	99	98	5
B	ATRAZINE DF	1.00	LAA	9						
23A	CHECK	0.00	NA	0	0	0	0	0	0	0
24A	FULTIME 4SC	3.30	LAA	9	0	99	98	99	98	2
B	HORNET 68.5WG	0.17	LAA	9						
25A	GUARDS MAX 5L	2.50	LAA	9	0	99	98	99	95	3
B	BALANCE PRO 4S	0.047	LAA	9						
26A	KIH ATZ-B 57.8	1.38	LAA	9	0	99	99	99	95	8

## TITLE: Preemergence herbicide programs in corn SW-1500S

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	ABUTH	CHEAL	AMBTR	ZEAMD	
		RATE	UNIT	TM	CON % 05/26/04	CON % 05/26/04	CON % 05/26/04	CON % 05/26/04	CON % 05/26/04	CON % 06/24/04	
27A»	KIH ATZ-C 55.7	1.83	LAA	9	0	99	98	99	99	8	
					LSD (0.05)	2.00	0.604	4.10	0.00	5.51	5.60
					STANDARD DEVIATION	1.00	0.302	2.05	0.00	2.75	2.80

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**LOCATION:** DeKalb **RESEARCHED BY:**  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 28.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	ABUTH	CHEAL	AMBTR	YIELD
		RATE	UNIT		CON % 06/24/04	CON % 06/24/04	CON % 06/24/04	CON % 06/24/04	BU/ACRE 10/22/04
1A	BICEP II MAGNU	3.58	LAA	9	99	95	98	93	192.9
2A	BICEP II MAGNU	3.58	LAA	9	99	98	99	97	194.4
B	BALANCE PRO 4S	0.047	LAA	9					
3A	STALWART EXTRA	3.58	LAA	9	99	91	99	98	198.6
B	BALANCE PRO 4S	0.047	LAA	9					
4A	BICEP II MAGNU	3.58	LAA	9	99	93	99	99	195.0
B	PRINCEP 4L	1.00	LAA	9					
5A	LUMAX 3.9L	2.13	LAA	9	97	90	99	99	202.1
6A	LUMAX 3.9L	2.95	LAA	9	99	97	99	99	202.6
7A	LUMAX 3.9L	2.95	LAA	9	99	98	99	98	199.3
B	PRINCEP 4L	1.00	LAA	9					
8A	LUMAX 3.9L	2.95	LAA	9	99	98	99	97	196.7
B	ATRAZINE DF	1.00	LAA	9					
9A	LEXAR 3.7L	2.32	LAA	9	93	92	99	92	197.7
10A	LEXAR 3.7L	2.76	LAA	9	99	97	99	99	210.5
11A	LEXAR 3.7L	3.23	LAA	9	99	96	99	99	201.9
12A	LEXAR 3.7L	2.76	LAA	9	99	87	99	99	198.7
B	PRINCEP 4L	1.00	LAA	9					
13A	LEXAR 3.7L	3.23	LAA	9	99	98	99	99	197.6
B	PRINCEP 4L	1.00	LAA	9					
14A	CAMIX 3.66L	2.20	LAA	9	99	98	99	96	198.4
B	PRINCEP 4L	1.00	LAA	9					
15A	HARNESS EXTRA	3.78	LAA	9	99	92	98	99	187.2
16A	DEGREE XTRA 4S	3.33	LAA	9	99	90	99	95	190.5
17A	USA 2001 71.5W	0.66	LAA	9	97	93	99	98	208.1
B	ATRAZINE DF	1.00	LAA	9					
18A	USA 2005 4L	0.63	LAA	9	99	94	99	99	201.2
B	ATRAZINE DF	1.00	LAA	9					
19A	BALANCE PRO 4S	0.086	LAA	9	96	93	98	99	190.8
B	ATRAZINE DF	1.00	LAA	9					
20A	BALANCE PRO 4S	0.08	LAA	9	99	92	98	99	206.9
B	DEFINE 4SC	0.67	LAA	9					
21A	BALANCE PRO 4S	0.07	LAA	9	97	90	99	98	202.0
B	DEFINE 4SC	0.375	LAA	9					
C	ATRAZINE DF	1.00	LAA	9					
22A	EPIC PRO 4L	0.435	LAA	9	99	96	98	99	198.6
B	ATRAZINE DF	1.00	LAA	9					
23A	CHECK	0.00	NA	0	0	0	0	0	159.2
24A	FULTIME 4SC	3.30	LAA	9	99	93	99	85	195.6
B	HORNET 68.5WG	0.17	LAA	9					
25A	GUARDS MAX 5L	2.50	LAA	9	99	90	99	98	199.7
B	BALANCE PRO 4S	0.047	LAA	9					
26A	KIH ATZ-B 57.8	1.38	LAA	9	99	96	99	97	182.0

TITLE: Preemergence herbicide programs in corn SW-1500S

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 06/24/04	ABUTH CON % 06/24/04	CHEAL CON % 06/24/04	AMBTR CON % 06/24/04	YIELD BU/ACRE 10/22/04
27A»KIH ATZ-C 55.7	1.83	LAA	9	99	84	99	99	194.1
	LSD (0.05)			3.00	9.46	0.838	8.79	21.75
	STANDARD DEVIATION			1.50	4.73	0.419	4.39	10.87

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = UNTRCHK / UNTREATED TIMING  
09 = PREPRE / PREEMERGENCE 04/29/2004(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	CON %	05/26/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/26/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	05/26/2004	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/26/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBTR	CON %	05/26/2004	05	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/24/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/24/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/24/2004	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/24/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMBTR	CON %	06/24/2004	05	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	YIELD	BU/ACRE	10/22/2004	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