

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV. CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	05/04/05	AME
AIR TEMPERATURE	64	F
% REL. HUMIDITY	17	
WIND DIRECTION	NORTHWEST	
WIND SPEED	2.0	M/H
CLOUD COVER	CLEAR	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
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	
*** CROP ***		
CORN, DENT	---/01	
ASGROW 715 RR	/	IN
05/04/2005		

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

* STAGE CODE
 01 = BEGINNING OF IMBIBITION

TITLE: Preemergence Herbicides for Weed Control in Corn. AS-200
CREATED: 04/18/2005 **REVISED:** 11/03/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU	
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %	
			TM	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05	
1A	RADIUS 4SC	0.375	LAA	9	0	65	83	79	75	40
B	ATRAZINE DF	1.50	LAA	9						
2A	RADIUS 4SC	0.50	LAA	9	0	70	96	95	93	47
B	ATRAZINE DF	1.50	LAA	9						
3A	RADIUS 4SC	0.63	LAA	9	0	81	98	97	96	57
B	ATRAZINE DF	1.50	LAA	9						
4A	RADIUS 4SC	0.75	LAA	9	0	90	99	98	99	70
B	ATRAZINE DF	1.50	LAA	9						
5A	LUMAX 3.9L	2.44	LAA	9	0	72	99	99	99	57
6A	LUMAX 3.9L	2.93	LAA	9	0	68	99	93	96	58
7A	LEXAR 3.7L	2.78	LAA	9	0	70	99	96	99	67
8A	LEXAR 3.7L	3.24	LAA	9	0	73	96	91	96	55
9A	LUMAX 3.9L	2.94	LAA	9	0	68	99	93	93	63
B	ATRAZINE DF	1.00	LAA	9						
10A	LEXAR 3.7L	3.24	LAA	9	0	73	99	99	96	62
B	PRINCEP 4L	1.00	LAA	9						
11A	GUARDSMAN MAX	2.50	LAA	9	0	78	98	94	98	72
B	BALANCE PRO 4	0.07	LAA	9						
12A	GUARDSMAN MAX	2.50	LAA	9	0	78	99	99	99	63
B	BALANCE PRO 4	0.047	LAA	9						
13A	KEYSTONE 5.25	3.50	LAA	9	0	81	99	99	99	63
B	HORNET 68.5WG	0.171	LAA	9						
14A	FULTIME 4SC	3.30	LAA	9	0	85	99	96	86	57
B	HORNET 68.5WG	0.171	LAA	9						
15A	BICEP II MAG	3.58	LAA	9	0	68	99	96	77	50
16A	BICEP II MAG	3.58	LAA	9	0	89	99	99	99	72
B	BALANCE PRO 4	0.07	LAA	9						
17A	STALWART EXTRA	3.58	LAA	9	0	68	95	89	88	43
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	STALWART EXTRA	3.58	LAA	9	0	91	99	98	99	75
B	BALANCE PRO 4	0.07	LAA	9						
20A	STALWART C 7.8	1.63	LAA	9	0	90	99	99	94	71
B	ATRAZINE DF	1.50	LAA	9						
C	BALANCE PRO 4	0.094	LAA	9						
21A	HARNESS XTRA	3.50	LAA	9	0	88	99	99	67	47
22A	DEGREE XTRA	3.33	LAA	9	0	74	95	87	58	43
23A	HARNESS XTRA	3.50	LAA	9	0	91	99	96	98	74
B	BALANCE PRO 4	0.07	LAA	9						
24A	KIH-485 60WG	0.22	LAA	9	0	68	95	83	86	53
B	ATRAZINE DF	1.00	LAA	9						
			LSD (0.05)		0.00	7.27	6.07	9.38	11.40	12.50
			STANDARD DEVIATION		0.00	3.64	3.00	4.69	5.70	6.25

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT		CON % 07/05/05	CON % 07/05/05	CON % 07/05/05	CON % 07/05/05	CON % 07/05/05	CON % 07/05/05
1A	RADIUS 4SC	0.375	LAA	9	0	67	76	70	75	37
B	ATRAZINE DF	1.50	LAA	9						
2A	RADIUS 4SC	0.50	LAA	9	0	77	89	86	84	50
B	ATRAZINE DF	1.50	LAA	9						
3A	RADIUS 4SC	0.63	LAA	9	0	87	98	97	96	68
B	ATRAZINE DF	1.50	LAA	9						
4A	RADIUS 4SC	0.75	LAA	9	0	91	98	98	98	68
B	ATRAZINE DF	1.50	LAA	9						
5A	LUMAX 3.9L	2.44	LAA	9	0	72	91	90	86	57
6A	LUMAX 3.9L	2.93	LAA	9	0	76	94	91	91	57
7A	LEXAR 3.7L	2.78	LAA	9	0	67	96	94	88	60
8A	LEXAR 3.7L	3.24	LAA	9	0	68	90	86	82	60
9A	LUMAX 3.9L	2.94	LAA	9	0	73	96	93	88	69
B	ATRAZINE DF	1.00	LAA	9						
10A	LEXAR 3.7L	3.24	LAA	9	0	72	97	98	96	68
B	PRINCEP 4L	1.00	LAA	9						
11A	GUARDSMAN MAX	2.50	LAA	9	0	81	98	93	98	73
B	BALANCE PRO 4	0.07	LAA	9						
12A	GUARDSMAN MAX	2.50	LAA	9	0	78	95	91	83	63
B	BALANCE PRO 4	0.047	LAA	9						
13A	KEYSTONE 5.25	3.50	LAA	9	0	78	95	90	75	60
B	HORNET 68.5WG	0.171	LAA	9						
14A	FULTIME 4SC	3.30	LAA	9	0	83	98	96	68	52
B	HORNET 68.5WG	0.171	LAA	9						
15A	BICEP II MAG	3.58	LAA	9	0	72	98	98	53	47
16A	BICEP II MAG	3.58	LAA	9	0	92	98	98	98	71
B	BALANCE PRO 4	0.07	LAA	9						
17A	STALWART EXTRA	3.58	LAA	9	0	70	98	94	57	37
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	STALWART EXTRA	3.58	LAA	9	0	88	98	96	97	67
B	BALANCE PRO 4	0.07	LAA	9						
20A	STALWART C 7.8	1.63	LAA	9	0	91	96	93	95	75
B	ATRAZINE DF	1.50	LAA	9						
C	BALANCE PRO 4	0.094	LAA	9						
21A	HARNESS XTRA	3.50	LAA	9	0	88	96	95	43	43
22A	DEGREE XTRA	3.33	LAA	9	0	79	93	89	62	50
23A	HARNESS XTRA	3.50	LAA	9	0	91	98	98	98	72
B	BALANCE PRO 4	0.07	LAA	9						
24A	KIH-485 60WG	0.22	LAA	9	0	60	93	81	67	60
B	ATRAZINE DF	1.00	LAA	9						
LSD (0.05)					0.00	7.08	6.06	10.44	10.45	9.82
STANDARD DEVIATION					0.00	3.54	3.00	5.22	5.22	4.91

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/05/05
		RATE	UNIT TM	
1A»	RADIUS 4SC	0.375	LAA 9	130.3
B	ATRAZINE DF	1.50	LAA 9	
2A»	RADIUS 4SC	0.50	LAA 9	154.1
B	ATRAZINE DF	1.50	LAA 9	
3A»	RADIUS 4SC	0.63	LAA 9	146.0
B	ATRAZINE DF	1.50	LAA 9	
4A»	RADIUS 4SC	0.75	LAA 9	147.3
B	ATRAZINE DF	1.50	LAA 9	
5A»	LUMAX 3.9L	2.44	LAA 9	138.5
6A»	LUMAX 3.9L	2.93	LAA 9	153.8
7A»	LEXAR 3.7L	2.78	LAA 9	150.1
8A»	LEXAR 3.7L	3.24	LAA 9	142.4
9A»	LUMAX 3.9L	2.94	LAA 9	141.7
B	ATRAZINE DF	1.00	LAA 9	
10A»	LEXAR 3.7L	3.24	LAA 9	149.2
B	PRINCEP 4L	1.00	LAA 9	
11A	GUARDSMAN MAX	2.50	LAA 9	152.7
B	BALANCE PRO 4	0.07	LAA 9	
12A	GUARDSMAN MAX	2.50	LAA 9	151.6
B	BALANCE PRO 4	0.047	LAA 9	
13A	KEYSTONE 5.25	3.50	LAA 9	168.4
B	HORNET 68.5WG	0.171	LAA 9	
14A	FULTIME 4SC	3.30	LAA 9	154.8
B	HORNET 68.5WG	0.171	LAA 9	
15A	BICEP II MAG	3.58	LAA 9	161.6
16A	BICEP II MAG	3.58	LAA 9	169.0
B	BALANCE PRO 4	0.07	LAA 9	
17A»	STALWART EXTRA	3.58	LAA 9	147.5
18A	CHECK	0.00	NA 0	113.7
19A»	STALWART EXTRA	3.58	LAA 9	158.2
B	BALANCE PRO 4	0.07	LAA 9	
20A»	STALWART C 7.8	1.63	LAA 9	148.8
B	ATRAZINE DF	1.50	LAA 9	
C	BALANCE PRO 4	0.094	LAA 9	
21A	HARNESS XTRA	3.50	LAA 9	149.7
22A	DEGREE XTRA	3.33	LAA 9	142.8
23A	HARNESS XTRA	3.50	LAA 9	170.8
B	BALANCE PRO 4	0.07	LAA 9	
24A»	KIH-485 60WG	0.22	LAA 9	141.1
B	ATRAZINE DF	1.00	LAA 9	
		LSD (0.05)		21.80
		STANDARD DEVIATION		10.90

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/04/2005(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	06/06/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/06/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	06/06/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/06/2005	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/06/2005	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/05/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/05/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/05/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	07/05/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/05/2005	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/05/2005	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	10/05/2005	01	P	ZEAMD		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 715 RR