

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	10	12	13	14	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/27/06	05/17/06	06/05/06	06/09/06	06/20/06	AME
AIR TEMPERATURE	73	68	78	80	80	F
% REL.HUMIDITY	21	50	35	30	42	
WIND DIRECTION	NORTHWEST	NORTHWEST	NORTHEAST	NORTHEAST	NA/NONE/U	
WIND SPEED	9.0	5.0	2.0	7.0	0.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	PARTCLDY	CLEAR	
DEW	NO	YES	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT	---	---	---	---	---	
DENSITY /						
*** CROP ***						
CORN, DENT		---/11	---/16	---/17	---/19	
ASGROW 752RR		4.00/4.00	12.0/14.0	16.0/18.0	28.0/32.0	IN
04/26/2006						
*** PEST ***						
VELVETLEAF		---/10	---/18	---/19	---/11	
		0.50/0.50	2.00/8.00	8.00/12.0	1.00/1.00	IN
WATERHEMP, COMMO		---/11	---/19	---/19	---/14	
		0.25/0.25	2.00/6.00	8.00/12.0	1.00/3.00	IN
LAMBSQUARTERS, C		---/11	---/19	---/19	---/00	
		0.25/0.50	2.00/8.00	8.00/12.0	/	IN
MORNINGGLORY, TA		---/10	---/18	---/19	---/15	
		0.50/1.00	2.00/4.00	3.00/5.00	1.00/3.00	IN
FOXTAIL, GIANT		---/11	---/15	---/19	---/13	
		0.50/0.50	2.00/8.00	4.00/12.0	2.00/4.00	IN

\* TIMING CODES

- 09 = ----- / PREEMERGENCE
- 10 = ----- / VEPOST
- 12 = ----- / POST
- 13 = ----- / LPOST
- 14 = ----- / VLPOST

\* STAGE CODE

- 00 = DRY SEED; DORMANCY
- 10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
- 11 = FIRST LEAF UNFOLDED
- 13 = 3 LEAVES UNFOLDED
- 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 15 = 5 LEAVES UNFOLDED
- 16 = 6 LEAVES UNFOLDED
- 17 = 7 LEAVES UNFOLDED
- 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Lumax and Lexar Weed Control Systems in Glyphosate-Resistant Corn. AS-100  
**CREATED:** 04/18/2006 **REVISED:** 10/31/2006 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 05/25/06	CON % 05/25/06	CON % 05/25/06	CON % 05/25/06	CON % 05/25/06	CON % 05/25/06
1A	LUMAX	2.94	LAA	9	0	97	99	99	99	94
2A»	LEXAR 3.7L	3.24	LAA	9	0	97	99	99	99	98
3A	LUMAX	1.96	LAA	9	0	92	99	99	97	93
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A»	LEXAR 3.7L	2.18	LAA	9	0	96	99	99	99	92
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	LUMAX	2.94	LAA	9	0	99	99	99	99	96
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A»	LEXAR 3.7L	3.24	LAA	9	0	98	99	99	99	98
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	HARNESS XTRA	2.11	LAA	9	0	99	99	99	83	91
	B»WEATHERMAX 4.5	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
8A	LUMAX	1.96	LAA	10	0					
	B»TOUCHDN TOTAL	0.79	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
9A»	LEXAR 3.7L	2.18	LAA	10	0					
	B»TOUCHDN TOTAL	0.79	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
10A»	WEATHERMAX 4.5	0.78	LAA	10	0					
	B»RESOLVE 25DF	0.016	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
11A»	EXPERT 4.9SC	3.66	LAA	10	0					
	B»LIQUID AMS	2.50	PMV	10						
12A»	WEATHERMAX 4.5	0.78	LAA	12	0					
	B»LIQUID AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	WEATHERMAX 4.5	0.78	LAA	13	0					
	B»LIQUID AMS	2.50	PMV	13						
15A»	WEATHERMAX 4.5	0.78	LAA	12	0					
	B»LIQUID AMS	2.50	PMV	12						
	C»WEATHERMAX 4.5	0.78	LAA	14						
	D»LIQUID AMS	2.50	PMV	14						
16A»	WEATHERMAX 4.5	0.78	LAA	12	0					
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	3.85	0.00	0.00	3.00	2.50
		STANDARD DEVIATION			0.00	1.80	0.00	0.00	1.41	1.17

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 06/16/06	CON % 06/16/06	CON % 06/16/06	CON % 06/16/06	CON % 06/16/06	CON % 06/26/06
1A	LUMAX	2.94	LAA	9	0	96	99	99	99	94
2A»	LEXAR 3.7L	3.24	LAA	9	0	96	99	99	99	96
3A	LUMAX	1.96	LAA	9	0	99	99	99	99	97
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A»	LEXAR 3.7L	2.18	LAA	9	0	99	99	99	99	98
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	LUMAX	2.94	LAA	9	0	99	99	99	99	99
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A»	LEXAR 3.7L	3.24	LAA	9	0	99	99	99	99	99
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	HARNESS XTRA	2.11	LAA	9	0	99	99	99	99	98
	B»WEATHERMAX 4.5	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
8A	LUMAX	1.96	LAA	10	0	97	99	99	99	95
	B»TOUCHDN TOTAL	0.79	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
9A»	LEXAR 3.7L	2.18	LAA	10	0	94	99	99	99	95
	B»TOUCHDN TOTAL	0.79	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
10A»	WEATHERMAX 4.5	0.78	LAA	10	0	47	78	76	40	33
	B»RESOLVE 25DF	0.016	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
11A»	EXPERT 4.9SC	3.66	LAA	10	0	96	99	99	78	91
	B»LIQUID AMS	2.50	PMV	10						
12A»	WEATHERMAX 4.5	0.78	LAA	12	4	97	97	99	95	92
	B»LIQUID AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	WEATHERMAX 4.5	0.78	LAA	13	14	98	95	99	94	86
	B»LIQUID AMS	2.50	PMV	13						
15A»	WEATHERMAX 4.5	0.78	LAA	12	4	98	96	99	96	93
	B»LIQUID AMS	2.50	PMV	12						
	C»WEATHERMAX 4.5	0.78	LAA	14						
	D»LIQUID AMS	2.50	PMV	14						
16A»	WEATHERMAX 4.5	0.78	LAA	12	5	97	99	99	99	98
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
	LSLSD (0.05)				1.00	3.09	3.36	4.33	5.65	3.62
	STANDARD DEVIATION				0.484	1.52	1.65	2.12	2.77	1.77

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 07/05/06	CON % 07/05/06	CON % 07/05/06	CON % 07/05/06	CON % 07/05/06	CON % 07/05/06
1A	LUMAX	2.94	LAA	9	0	97	99	99	99	89
2A»	LEXAR 3.7L	3.24	LAA	9	0	94	99	99	99	94
3A	LUMAX	1.96	LAA	9	0	98	99	99	99	96
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A»	LEXAR 3.7L	2.18	LAA	9	0	98	99	99	99	96
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	LUMAX	2.94	LAA	9	0	99	99	99	99	98
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A»	LEXAR 3.7L	3.24	LAA	9	0	99	99	99	99	97
	B»TOUCHDN TOTAL	0.79	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	HARNESS XTRA	2.11	LAA	9	0	99	99	99	97	96
	B»WEATHERMAX 4.5	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
8A	LUMAX	1.96	LAA	10	0	91	99	99	99	92
	B»TOUCHDN TOTAL	0.79	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
9A»	LEXAR 3.7L	2.18	LAA	10	0	87	99	99	99	92
	B»TOUCHDN TOTAL	0.79	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
10A»	WEATHERMAX 4.5	0.78	LAA	10	6	65	89	86	67	65
	B»RESOLVE 25DF	0.016	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
11A»	EXPERT 4.9SC	3.66	LAA	10	0	91	99	99	78	84
	B»LIQUID AMS	2.50	PMV	10						
12A»	WEATHERMAX 4.5	0.78	LAA	12	0	89	96	96	92	88
	B»LIQUID AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	WEATHERMAX 4.5	0.78	LAA	13	18	88	83	83	83	72
	B»LIQUID AMS	2.50	PMV	13						
15A»	WEATHERMAX 4.5	0.78	LAA	12	3	97	99	99	97	94
	B»LIQUID AMS	2.50	PMV	12						
	C»WEATHERMAX 4.5	0.78	LAA	14						
	D»LIQUID AMS	2.50	PMV	14						
16A»	WEATHERMAX 4.5	0.78	LAA	12	4	93	99	99	98	94
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			4.41	4.50	3.29	2.91	4.27	6.40
		STANDARD DEVIATION			2.16	2.20	1.61	1.42	2.09	3.13

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/10/06
		RATE	UNIT TM	
1A	LUMAX	2.94	LAA 9	183.4
2A»	LEXAR 3.7L	3.24	LAA 9	185.1
3A	LUMAX	1.96	LAA 9	197.7
	B»TOUCHDN TOTAL	0.79	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
4A»	LEXAR 3.7L	2.18	LAA 9	200.0
	B»TOUCHDN TOTAL	0.79	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
5A	LUMAX	2.94	LAA 9	196.9
	B»TOUCHDN TOTAL	0.79	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
6A»	LEXAR 3.7L	3.24	LAA 9	185.2
	B»TOUCHDN TOTAL	0.79	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
7A	HARNESS XTRA	2.11	LAA 9	189.7
	B»WEATHERMAX 4.5	0.78	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
8A	LUMAX	1.96	LAA 10	179.9
	B»TOUCHDN TOTAL	0.79	LAA 10	
	C»LIQUID AMS	2.50	PMV 10	
9A»	LEXAR 3.7L	2.18	LAA 10	180.6
	B»TOUCHDN TOTAL	0.79	LAA 10	
	C»LIQUID AMS	2.50	PMV 10	
10A»	WEATHERMAX 4.5	0.78	LAA 10	118.5
	B»RESOLVE 25DF	0.016	LAA 10	
	C»LIQUID AMS	2.50	PMV 10	
11A»	EXPERT 4.9SC	3.66	LAA 10	168.4
	B»LIQUID AMS	2.50	PMV 10	
12A»	WEATHERMAX 4.5	0.78	LAA 12	175.8
	B»LIQUID AMS	2.50	PMV 12	
13A	CHECK	0.00	NA 0	39.9
14A»	WEATHERMAX 4.5	0.78	LAA 13	125.4
	B»LIQUID AMS	2.50	PMV 13	
15A»	WEATHERMAX 4.5	0.78	LAA 12	170.9
	B»LIQUID AMS	2.50	PMV 12	
	C»WEATHERMAX 4.5	0.78	LAA 14	
	D»LIQUID AMS	2.50	PMV 14	
16A»	WEATHERMAX 4.5	0.78	LAA 12	172.3
	B»IMPACT 2.8SC	0.016	LAA 12	
	C ATRAZINE DF	0.50	LAA 12	
	D»LIQUID AMS	2.50	PMV 12	
	LSD (0.05)			24.06
	STANDARD DEVIATION			11.78

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
09 = ----- / PREEMERGENCE 04/27/2006(1)  
10 = ----- / VEPOST 05/17/2006(2)  
12 = ----- / POST 06/05/2006(3)  
13 = ----- / LPOST 06/09/2006(4)

## \* TIMING CODES

14 = ----- / VLPOST 06/20/2006(5)

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 %	05/25/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/25/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/25/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/25/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/25/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/25/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/16/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/16/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/16/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/16/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/16/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/26/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/05/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/05/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/05/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/05/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/05/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/05/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	YIELD	BU/A	10/10/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 752RR