

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
PH: 6.1  
%OM: 5.5  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 10 X 30 FEET  
PLOT AREA: 300 FEET

DESIGN: RCB  
REPS: 4

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/30/07	05/21/07	05/29/07	06/05/07	AME
AIR TEMPERATURE	84	84	78	66	F
% REL.HUMIDITY	30	30	65	57	
WIND DIRECTION	WEST	SOUTH	SOUTH	SOUTHEAST	
WIND SPEED	10.0	6.0	2.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	YES	YES	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SCREEN SIZE					
SCREEN SZ DESC	NA	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
CORN, DENT		---/13	---/16	---/18	
DK 6018RR		6.00/8.00	16.0/16.0	24.0/24.0	IN
04/30/2007					
*** PEST ***					
VELVETLEAF		---/12	---/16	---/18	
		1.00/2.00	4.00/8.00	2.00/12.0	IN
WATERHEMP, COMMO		---/19	---/19	---/19	
		1.00/4.00	4.00/8.00	2.00/12.0	IN
LAMBSQUARTERS, C		---/19	---/19	---/19	
		1.00/3.00	4.00/8.00	2.00/10.0	IN
MORNINGGLORY, TA		---/12	---/19	---/19	
		1.00/2.00	2.00/4.00	2.00/8.00	IN
FOXTAIL, GIANT		---/13	---/15	---/16	
		3.00/5.00	4.00/12.0	4.00/16.0	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
11 = ----- / EPOST  
12 = ----- / POST  
13 = ----- / LPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
13 = 3 LEAVES UNFOLDED  
15 = 5 LEAVES UNFOLDED  
16 = 6 LEAVES UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6 LEAVES UNFOLDED  
18 = 8 LEAVES UNFOLDED

\* STAGE CODE

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Halex GT for Weed Control and Yield in Glyphosate-Resistant Corn. AS-400  
**CREATED:** 04/13/2007 **REVISED:** 11/05/2007 **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  
**PLOT AREA:** 300.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/31/07	CON % 05/31/07	CON % 05/31/07	CON % 05/31/07	CON % 05/31/07	CON % 05/31/07
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	Halex GT 4.38L	2.19	LAA	11	0	98	99	80	99	88
	B»ACTIVATOR 90	0.25	PMV	11						
	C»LIQUID AMS	2.50	PMV	11						
3A	Halex GT 4.38L	2.19	LAA	11	0	97	99	99	99	95
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	LUMAX	1.97	LAA	9	0	16	0	70	64	0
	B»TOUCHDN TOTAL	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.10	LAA	9	0	15	8	73	0	0
	B»RDUP ORIG MAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	RDUP ORIG MAX	0.77	LAA	12	0	C	C	C	C	C
	B»LIQUID AMS	2.50	PMV	12						
7A	RDUP ORIG MAX	0.77	LAA	11	0	96	97	76	99	93
	B»LIQUID AMS	2.50	PMV	11						
	C»RDUP ORIG MAX	0.77	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
8A	LUMAX	1.97	LAA	9	0	98	99	93	99	92
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
9A	LEXAR 3.7L	2.08	LAA	9	0	97	99	95	99	91
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	BICEP II MAG	1.38	LAA	9	0	98	99	92	99	89
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				0.00	1.67	4.69	4.92	7.58	2.94
	STANDARD DEVIATION				0.00	0.813	2.28	2.40	3.69	1.43

**TITLE:** Halex GT for Weed Control and Yield in Glyphosate-Resistant Corn. AS-400  
**CREATED:** 04/13/2007 **REVISED:** 11/05/2007 **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  
**PLOT AREA:** 300.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/08/07	CON % 06/08/07	CON % 06/08/07	CON % 06/08/07	CON % 06/08/07	CON % 06/08/07
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	Halex GT 4.38L	2.19	LAA	11	0	98	99	96	99	84
	B»ACTIVATOR 90	0.25	PMV	11						
	C»LIQUID AMS	2.50	PMV	11						
3A	Halex GT 4.38L	2.19	LAA	11	0	97	99	99	99	90
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	LUMAX	1.97	LAA	9	0	99	99	99	99	83
	B»TOUCHDN TOTAL	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.10	LAA	9	0	99	99	99	99	80
	B»RDUP ORIG MAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	RDUP ORIG MAX	0.77	LAA	12	0	99	99	99	99	83
	B»LIQUID AMS	2.50	PMV	12						
7A	RDUP ORIG MAX	0.77	LAA	11	0	98	98	88	99	91
	B»LIQUID AMS	2.50	PMV	11						
	C»RDUP ORIG MAX	0.77	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
8A	LUMAX	1.97	LAA	9	0	98	99	99	99	89
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
9A	LEXAR 3.7L	2.08	LAA	9	0	97	99	99	99	90
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	BICEP II MAG	1.38	LAA	9	0	97	99	96	99	89
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.00	1.55	1.00	1.72	0.306	5.74
		STANDARD DEVIATION			0.00	0.754	0.465	0.839	0.149	2.80

**TITLE:** Halex GT for Weed Control and Yield in Glyphosate-Resistant Corn. AS-400  
**CREATED:** 04/13/2007 **REVISED:** 11/05/2007 **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  
**PLOT AREA:** 300.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/20/07	CON % 06/20/07	CON % 06/20/07	CON % 06/20/07	CON % 06/20/07	CON % 06/20/07
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	Halex GT 4.38L	2.19	LAA	11	0	96	99	95	91	81
	B»ACTIVATOR 90	0.25	PMV	11						
	C»LIQUID AMS	2.50	PMV	11						
3A	Halex GT 4.38L	2.19	LAA	11	0	96	99	97	94	80
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	LUMAX	1.97	LAA	9	0	99	99	99	97	85
	B»TOUCHDN TOTAL	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.10	LAA	9	0	99	99	99	97	81
	B»RDUP ORIG MAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	RDUP ORIG MAX	0.77	LAA	12	0	98	99	99	99	89
	B»LIQUID AMS	2.50	PMV	12						
7A	RDUP ORIG MAX	0.77	LAA	11	0	99	99	99	99	89
	B»LIQUID AMS	2.50	PMV	11						
	C»RDUP ORIG MAX	0.77	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
8A	LUMAX	1.97	LAA	9	0	97	99	99	93	86
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
9A	LEXAR 3.7L	2.08	LAA	9	0	95	99	99	97	81
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	BICEP II MAG	1.38	LAA	9	0	95	98	97	99	78
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				0.00	1.75	1.00	2.78	8.20	9.23
	STANDARD DEVIATION				0.00	0.852	0.483	1.36	4.00	4.50

**TITLE:** Halex GT for Weed Control and Yield in Glyphosate-Resistant Corn. AS-400  
**CREATED:** 04/13/2007 **REVISED:** 11/05/2007 **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  
**PLOT AREA:** 300.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/29/07	CON % 06/29/07	CON % 06/29/07	CON % 06/29/07	CON % 06/29/07	CON % 06/29/07
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	Halex GT 4.38L	2.19	LAA	11	0	94	99	95	97	78
	B»ACTIVATOR 90	0.25	PMV	11						
	C»LIQUID AMS	2.50	PMV	11						
3A	Halex GT 4.38L	2.19	LAA	11	0	94	99	98	97	81
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	LUMAX	1.97	LAA	9	0	98	99	99	99	88
	B»TOUCHDN TOTAL	0.78	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.10	LAA	9	0	98	99	98	98	83
	B»RDUP ORIG MAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	RDUP ORIG MAX	0.77	LAA	12	0	94	99	96	99	84
	B»LIQUID AMS	2.50	PMV	12						
7A	RDUP ORIG MAX	0.77	LAA	11	0	97	99	97	99	89
	B»LIQUID AMS	2.50	PMV	11						
	C»RDUP ORIG MAX	0.77	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
8A	LUMAX	1.97	LAA	9	0	96	99	96	98	83
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
9A	LEXAR 3.7L	2.08	LAA	9	0	95	99	97	99	81
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	BICEP II MAG	1.38	LAA	9	0	94	99	96	97	76
	B»Halex GT 4.38L	2.19	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.00	1.41	0.564	2.22	2.40	3.50
		STANDARD DEVIATION			0.00	0.689	0.275	1.08	1.17	1.70

**TITLE:** Halex GT for Weed Control and Yield in Glyphosate-Resistant Corn. AS-400  
**CREATED:** 04/13/2007 **REVISED:** 11/05/2007 **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  
**PLOT AREA:** 300.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 09/28/07
		RATE	UNIT TM	
1A	CHECK	0.00	NA 0	49.5
2A	HALEX GT 4.38L	2.19	LAA 11	248.9
	B»ACTIVATOR 90	0.25	PMV 11	
	C»LIQUID AMS	2.50	PMV 11	
3A	HALEX GT 4.38L	2.19	LAA 11	236.7
	B ATRAZINE DF	1.00	LAA 11	
	C»ACTIVATOR 90	0.25	PMV 11	
	D»LIQUID AMS	2.50	PMV 11	
4A	LUMAX	1.97	LAA 9	243.8
	B»TOUCHDN TOTAL	0.78	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
5A	HARNESS XTRA	2.10	LAA 9	244.9
	B»RDUP ORIG MAX	0.77	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
6A	RDUP ORIG MAX	0.77	LAA 12	227.2
	B»LIQUID AMS	2.50	PMV 12	
7A	RDUP ORIG MAX	0.77	LAA 11	251.3
	B»LIQUID AMS	2.50	PMV 11	
	C»RDUP ORIG MAX	0.77	LAA 13	
	D»LIQUID AMS	2.50	PMV 13	
8A	LUMAX	1.97	LAA 9	250.4
	B»HALEX GT 4.38L	2.19	LAA 11	
	C»ACTIVATOR 90	0.25	PMV 11	
	D»LIQUID AMS	2.50	PMV 11	
9A	LEXAR 3.7L	2.08	LAA 9	253.4
	B»HALEX GT 4.38L	2.19	LAA 11	
	C»ACTIVATOR 90	0.25	PMV 11	
	D»LIQUID AMS	2.50	PMV 11	
10A	BICEP II MAG	1.38	LAA 9	248.5
	B»HALEX GT 4.38L	2.19	LAA 11	
	C»ACTIVATOR 90	0.25	PMV 11	
	D»LIQUID AMS	2.50	PMV 11	
	LSD (0.05)			12.00
	STANDARD DEVIATION			5.87

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 04/30/2007(1)
- 11 = ----- / EPOST 05/21/2007(2)
- 12 = ----- / POST 05/29/2007(3)
- 13 = ----- / LPOST 06/05/2007(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	05/31/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/31/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	05/31/2007	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/31/2007	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/31/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/31/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/08/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/08/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Halex GT for Weed Control and Yield in Glyphosate-Resistant Corn. AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
009	AMATA	CON %	06/08/2007	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/08/2007	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/08/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/08/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/20/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/20/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	06/20/2007	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/20/2007	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/20/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/20/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	06/29/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	06/29/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMATA	CON %	06/29/2007	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	CHEAL	CON %	06/29/2007	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	06/29/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	06/29/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	YIELD	BU/A	09/28/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = DK 6018RR