

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 6.0
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 29 FEET
 PLOT AREA: 290 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/20/08	06/19/08	AME
AIR TEMPERATURE	63	77	F
% REL.HUMIDITY	40	40	
WIND DIRECTION	NORTHWEST	NORTHWEST	
WIND SPEED	7.0	4.0	M/H
CLOUD COVER	OVERCAST	CLEAR	
DEW	---	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
SCREEN SIZE	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/15	
PIONEER 33N12		12.0/14.0	IN
05/19/2008			
*** PEST ***			
VELVETLEAF		---/13	
		1.00/3.00	IN
RAGWEED, GIANT		---/16	
		3.00/8.00	IN
LAMBSQUARTERS, C		---/18	
		1.00/3.00	IN
FOXTAIL, GIANT		---/15	
		1.00/6.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

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

TITLE: Weed control systems with Bayer herbicides in glufosinate-resistant corn. SW-1500
CREATED: 04/25/2008 **REVISED:** 11/24/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 29.00 FT LONG
PLOT AREA: 290.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	ZEAMD
		RATE	UNIT	TM	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/30/08
1A»	CORVUS 2.6SC	0.045	LAA	9	0	89	43	99	99	C
B	ATRAZINE DF	1.50	LAA	9						
2A»	CORVUS 2.6SC	0.061	LAA	9	0	95	42	99	99	C
B	ATRAZINE DF	1.50	LAA	9						
3A»	CORVUS 2.6SC	0.091	LAA	9	0	96	57	99	99	C
B	ATRAZINE DF	1.50	LAA	9						
4A»	CORVUS 2.6SC	0.114	LAA	9	0	98	65	99	99	C
B	ATRAZINE DF	1.50	LAA	9						
5A»	BAL FLEXX 2L	0.063	LAA	9	0	99	55	99	99	C
B	HARNESS XTRA	2.10	LAA	9						
6A»	LEXAR 3.7L	3.24	LAA	9	0	99	57	99	99	C
7A»	CORVUS 2.6SC	0.045	LAA	9	0	91	32	94	98	0
B»	IGNITE 2.33SL	0.40	LAA	12						
C»	LAUDIS 3.5SC	0.055	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
8A»	CORVUS 2.6SC	0.061	LAA	9	0	93	47	99	99	0
B»	IGNITE 2.33SL	0.40	LAA	12						
C»	LAUDIS 3.5SC	0.055	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
9A»	CORVUS 2.6SC	0.045	LAA	9	0	90	43	98	99	0
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
10A»	CORVUS 2.6SC	0.061	LAA	9	0	94	33	98	99	0
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
11A»	BAL FLEXX 2L	0.047	LAA	9	0	97	43	99	99	0
B	ATRAZINE DF	1.50	LAA	9						
C»	IGNITE 2.33SL	0.40	LAA	12						
D»	LAUDIS 3.5SC	0.055	LAA	12						
E»	LIQUID AMS	5.00	PMV	12						
12A»	BAL FLEXX 2L	0.063	LAA	9	0	98	53	99	99	0
B	ATRAZINE DF	1.50	LAA	9						
C»	IGNITE 2.33SL	0.40	LAA	12						
D»	LAUDIS 3.5SC	0.055	LAA	12						
E»	LIQUID AMS	5.00	PMV	12						
13A»	CORVUS 2.6SC	0.051	LAA	9	0	97	43	98	99	0
B	ATRAZINE DF	1.00	LAA	9						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D	ATRAZINE DF	0.50	LAA	12						
E»	COC	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
14A»	CORVUS 2.6SC	0.051	LAA	9	0	63	33	32	99	0
B	ATRAZINE DF	1.00	LAA	9						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D	ATRAZINE DF	0.50	LAA	12						
E»	MSO	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
15A»	LUMAX 3.9L	1.48	LAA	9	0	99	65	99	99	0
B»	LUMAX 3.9L	1.48	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						

TITLE: Weed control systems with Bayer herbicides in glufosinate-resistant corn. SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	ZEAMD
		RATE	UNIT	TM	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/30/08
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	HARNESX XTRA	2.94	LAA	9	0	99	40	67	99	0
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
18A	HARNESX XTRA	2.10	LAA	9	0	99	40	57	99	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	1.50	PMV	12						
19A»	LAUDIS 3.5SC	0.055	LAA	12	C	C	C	C	C	0
	B»IGNITE 2.33SL	0.42	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
20A»	LAUDIS 3.5SC	0.082	LAA	12	C	C	C	C	C	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
21A»	LAUDIS 3.5SC	0.082	LAA	12	C	C	C	C	C	0
	B»RNDUP POWERMAX	0.39	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	6.59	14.94	8.33	0.862	0.00
		STANDARD DEVIATION			0.00	3.26	7.39	4.12	0.427	0.00

TITLE: Weed control systems with Bayer herbicides in glufosinate-resistant corn. SW-1500
CREATED: 04/25/2008 **REVISED:** 11/24/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 29.00 FT LONG
PLOT AREA: 290.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBTR	ABUTH	CHEAL	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 07/16/08	CON % 07/16/08
1A»	CORVUS 2.6SC	0.045	LAA	9	C	C	C	C	0	67
B	ATRAZINE DF	1.50	LAA	9						
2A»	CORVUS 2.6SC	0.061	LAA	9	C	C	C	C	0	72
B	ATRAZINE DF	1.50	LAA	9						
3A»	CORVUS 2.6SC	0.091	LAA	9	C	C	C	C	0	80
B	ATRAZINE DF	1.50	LAA	9						
4A»	CORVUS 2.6SC	0.114	LAA	9	C	C	C	C	0	92
B	ATRAZINE DF	1.50	LAA	9						
5A»	BAL FLEXX 2L	0.063	LAA	9	C	C	C	C	0	96
B	HARNESS XTRA	2.10	LAA	9						
6A»	LEXAR 3.7L	3.24	LAA	9	C	C	C	C	0	96
7A»	CORVUS 2.6SC	0.045	LAA	9	98	97	99	99	0	95
B»	IGNITE 2.33SL	0.40	LAA	12						
C»	LAUDIS 3.5SC	0.055	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
8A»	CORVUS 2.6SC	0.061	LAA	9	98	96	98	99	0	96
B»	IGNITE 2.33SL	0.40	LAA	12						
C»	LAUDIS 3.5SC	0.055	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
9A»	CORVUS 2.6SC	0.045	LAA	9	99	97	98	99	0	97
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
10A»	CORVUS 2.6SC	0.061	LAA	9	99	94	99	99	0	96
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
11A»	BAL FLEXX 2L	0.047	LAA	9	98	95	98	99	0	98
B	ATRAZINE DF	1.50	LAA	9						
C»	IGNITE 2.33SL	0.40	LAA	12						
D»	LAUDIS 3.5SC	0.055	LAA	12						
E»	LIQUID AMS	5.00	PMV	12						
12A»	BAL FLEXX 2L	0.063	LAA	9	98	96	99	99	0	97
B	ATRAZINE DF	1.50	LAA	9						
C»	IGNITE 2.33SL	0.40	LAA	12						
D»	LAUDIS 3.5SC	0.055	LAA	12						
E»	LIQUID AMS	5.00	PMV	12						
13A»	CORVUS 2.6SC	0.051	LAA	9	98	97	99	99	0	96
B	ATRAZINE DF	1.00	LAA	9						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D	ATRAZINE DF	0.50	LAA	12						
E»	COC	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
14A»	CORVUS 2.6SC	0.051	LAA	9	97	97	98	99	0	94
B	ATRAZINE DF	1.00	LAA	9						
C»	LAUDIS 3.5SC	0.082	LAA	12						
D	ATRAZINE DF	0.50	LAA	12						
E»	MSO	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
15A»	LUMAX 3.9L	1.48	LAA	9	97	95	99	99	0	97
B»	LUMAX 3.9L	1.48	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						

TITLE: Weed control systems with Bayer herbicides in glufosinate-resistant corn. SW-1500

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBTR	ABUTH	CHEAL	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 07/16/08	CON % 07/16/08
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	HARNESS XTRA	2.94	LAA	9	99	95	99	99	0	99
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
18A	HARNESS XTRA	2.10	LAA	9	99	86	99	99	0	98
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	1.50	PMV	12						
19A»	LAUDIS 3.5SC	0.055	LAA	12	97	97	99	99	0	91
	B»IGNITE 2.33SL	0.42	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
20A»	LAUDIS 3.5SC	0.082	LAA	12	98	98	99	99	0	97
	B»RNDUP POWERMAX	0.77	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
21A»	LAUDIS 3.5SC	0.082	LAA	12	94	97	98	98	0	98
	B»RNDUP POWERMAX	0.39	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			1.15	2.37	0.847	0.47	0.00	5.89
		STANDARD DEVIATION			0.567	1.17	0.419	0.232	0.00	2.91

TITLE: Weed control systems with Bayer herbicides in glufosinate-resistant corn. SW-1500
CREATED: 04/25/2008 **REVISED:** 11/24/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 29.00 FT LONG
PLOT AREA: 290.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE			AMBTR	ABUTH	CHEAL
NUM	COMPONENT	RATE	UNIT	TM	CON % 07/16/08	CON % 07/16/08	CON % 07/16/08
1A»	CORVUS 2.6SC	0.045	LAA	9	30	98	99
B	ATRAZINE DF	1.50	LAA	9			
2A»	CORVUS 2.6SC	0.061	LAA	9	20	99	99
B	ATRAZINE DF	1.50	LAA	9			
3A»	CORVUS 2.6SC	0.091	LAA	9	37	98	99
B	ATRAZINE DF	1.50	LAA	9			
4A»	CORVUS 2.6SC	0.114	LAA	9	43	99	99
B	ATRAZINE DF	1.50	LAA	9			
5A»	BAL FLEXX 2L	0.063	LAA	9	33	97	99
B	HARNESS XTRA	2.10	LAA	9			
6A»	LEXAR 3.7L	3.24	LAA	9	42	99	99
7A»	CORVUS 2.6SC	0.045	LAA	9	91	98	99
B»	IGNITE 2.33SL	0.40	LAA	12			
C»	LAUDIS 3.5SC	0.055	LAA	12			
D»	LIQUID AMS	5.00	PMV	12			
8A»	CORVUS 2.6SC	0.061	LAA	9	90	99	99
B»	IGNITE 2.33SL	0.40	LAA	12			
C»	LAUDIS 3.5SC	0.055	LAA	12			
D»	LIQUID AMS	5.00	PMV	12			
9A»	CORVUS 2.6SC	0.045	LAA	9	95	98	99
B»	RNDUP POWERMAX	0.77	LAA	12			
C»	LAUDIS 3.5SC	0.082	LAA	12			
D»	LIQUID AMS	5.00	PMV	12			
10A»	CORVUS 2.6SC	0.061	LAA	9	90	99	99
B»	RNDUP POWERMAX	0.77	LAA	12			
C»	LAUDIS 3.5SC	0.082	LAA	12			
D»	LIQUID AMS	5.00	PMV	12			
11A»	BAL FLEXX 2L	0.047	LAA	9	88	99	99
B	ATRAZINE DF	1.50	LAA	9			
C»	IGNITE 2.33SL	0.40	LAA	12			
D»	LAUDIS 3.5SC	0.055	LAA	12			
E»	LIQUID AMS	5.00	PMV	12			
12A»	BAL FLEXX 2L	0.063	LAA	9	87	99	99
B	ATRAZINE DF	1.50	LAA	9			
C»	IGNITE 2.33SL	0.40	LAA	12			
D»	LAUDIS 3.5SC	0.055	LAA	12			
E»	LIQUID AMS	5.00	PMV	12			
13A»	CORVUS 2.6SC	0.051	LAA	9	96	99	99
B	ATRAZINE DF	1.00	LAA	9			
C»	LAUDIS 3.5SC	0.082	LAA	12			
D	ATRAZINE DF	0.50	LAA	12			
E»	COC	1.00	PMV	12			
F	28% UAN	2.50	PMV	12			
14A»	CORVUS 2.6SC	0.051	LAA	9	95	98	99
B	ATRAZINE DF	1.00	LAA	9			
C»	LAUDIS 3.5SC	0.082	LAA	12			
D	ATRAZINE DF	0.50	LAA	12			
E»	MSO	1.00	PMV	12			
F	28% UAN	2.50	PMV	12			
15A»	LUMAX 3.9L	1.48	LAA	9	96	99	99
B»	LUMAX 3.9L	1.48	LAA	12			
C»	ACTIVATOR 90	0.25	PMV	12			

TITLE: Weed control systems with Bayer herbicides in glufosinate-resistant corn. SW-1500

TRT	TREATMENT	DOSAGE			AMBTR	ABUTH	CHEAL
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %
					07/16/08	07/16/08	07/16/08
16A	CHECK	0.00	NA	0	0	0	0
17A	HARNESS XTRA	2.94	LAA	9	92	99	99
	B»LAUDIS 3.5SC	0.082	LAA	12			
	C ATRAZINE DF	0.50	LAA	12			
	D»COC	1.00	PMV	12			
	E 28% UAN	2.50	PMV	12			
18A	HARNESS XTRA	2.10	LAA	9	75	98	99
	B»RNDUP POWERMAX	0.77	LAA	12			
	C»LIQUID AMS	1.50	PMV	12			
19A»	LAUDIS 3.5SC	0.055	LAA	12	92	99	99
	B»IGNITE 2.33SL	0.42	LAA	12			
	C ATRAZINE DF	0.50	LAA	12			
	D»LIQUID AMS	2.50	PMV	12			
20A»	LAUDIS 3.5SC	0.082	LAA	12	98	98	99
	B»RNDUP POWERMAX	0.77	LAA	12			
	C ATRAZINE DF	0.50	LAA	12			
	D»LIQUID AMS	2.50	PMV	12			
21A»	LAUDIS 3.5SC	0.082	LAA	12	96	99	98
	B»RNDUP POWERMAX	0.39	LAA	12			
	C ATRAZINE DF	1.00	LAA	12			
	D»LIQUID AMS	2.50	PMV	12			
	LSD (0.05)				12.59	1.35	0.416
	STANDARD DEVIATION				6.23	0.666	0.206

>> = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/20/2008(1)
 12 = ----- / POST 06/19/2008(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/16/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/16/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	06/16/2008	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/16/2008	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/16/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/30/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/30/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	CON %	06/30/2008	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/30/2008	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/30/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/16/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/16/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBTR	CON %	07/16/2008	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/16/2008	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/16/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 33N12