

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 4.7  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 36 FEET  
PLOT AREA: 270 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/01/08	05/31/08	06/10/08	AME
AIR TEMPERATURE	68	73	78	F
% REL.HUMIDITY	32	68	52	
WIND DIRECTION	SOUTH	WEST	SOUTHWEST	
WIND SPEED	15.0	2.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/13	---/15	
PIONEER 34A20		5.00/5.00	14.0/14.0	IN
04/30/2008				
*** PEST ***				
VELVETLEAF		---/12	---/16	
		1.00/1.00	2.00/6.00	IN
WATERHEMP, COMMO		---/17	---/19	
		1.00/1.00	2.00/6.00	IN
RAGWEED, COMMON		---/12	---/16	
		1.00/1.00	2.00/8.00	IN
LAMBSQUARTERS, C		---/18	---/19	
		0.50/1.00	2.00/6.00	IN
MORNINGGLORY, TA		---/12	---/19	
		1.00/2.00	2.00/6.00	IN
SMARTWEED, PENNS		---/16	---/19	
		1.00/3.00	2.00/8.00	IN
FOXTAIL, GIANT		---/12	---/15	
		1.00/4.00	2.00/8.00	IN
COCKLEBUR, COMMO		---/12	---/18	
		1.00/2.00	4.00/12.0	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE

11 = ----- / EPOST

\* TIMING CODES

12 = ----- / POST

\* STAGE CODE

12 = 2 LEAVES UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
15 = 5 LEAVES UNFOLDED  
15 = 5 LEAVES UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400  
**CREATED:** 04/12/2008 **REVISED:** 11/11/2008 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG  
**PLOT AREA:** 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	POLPY	AMBEL
		RATE	UNIT	TM	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08
1A»	CORVUS 2.6SC	0.051	LAA	9	0	98	99	99	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						
2A»	CORVUS 2.6SC	0.051	LAA	9	0	99	99	99	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»	MSO	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
3A	LUMAX	1.48	LAA	9	0	98	99	99	99	99
B	LUMAX	1.48	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
4A	HARNESS XTRA	2.94	LAA	9	0	99	99	99	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						
5A	HARNESS XTRA	2.10	LAA	9	0	98	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	LAUDIS 3.5SC	0.055	LAA	12	0	99	99	99	99	99
B»	IGNITE 2.33SL	0.42	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
7A»	LAUDIS 3.5SC	0.082	LAA	12	0	99	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	LAUDIS 3.5SC	0.082	LAA	12	0	99	99	99	99	99
B»	RNDUP POWERMAX	0.38	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
9A»	LAUDIS 3.5SC	0.082	LAA	11	0	91	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	MSO	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
10A»	IMPACT 2.8SC	0.016	LAA	11	0	93	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
11A»	CAPRENO 3.45 S	0.081	LAA	11	0	94	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
12A»	IGNITE 2.33SL	0.42	LAA	12	0	99	95	99	99	99
13A»	IGNITE 2.33SL	0.42	LAA	12	0	99	97	99	99	99
B»	LIQUID AMS	4.38	PMV	12						
14A»	IGNITE 2.33SL	0.42	LAA	12	0	99	98	99	99	99
B»	CLASS ACT NG	2.50	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	POLPY	AMBEL
		RATE	UNIT TM	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08
16A»	IGNITE 2.33SL	0.42	LAA 12	0	99	98	99	99	99
	B»CLASS ACT NG	2.50	PMV 12						
	C»AG 02013	4.00	ZMA 12						
17A»	IGNITE 2.33SL	0.42	LAA 12	0	99	95	99	99	99
	B»AGM 07027	1.25	PMV 12						
	C»LIQUID AMS	4.38	PMV 12						
18A»	IGNITE 2.33SL	0.42	LAA 12	0	99	95	99	99	99
	B»AGM 07027	1.25	PMV 12						
	C»CLASS ACT NG	2.50	PMV 12						
		LSD (0.05)		0.00	2.05	2.05	0.00	0.00	0.00
		STANDARD DEVIATION		0.00	1.00	1.00	0.00	0.00	0.00

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG  
**PLOT AREA:** 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH CON % 06/21/08	PHBPU CON % 06/21/08	XANST CON % 06/21/08	ZEAMD CON % 07/08/08	SETFA CON % 07/08/08	CHEAL CON % 07/08/08
		RATE	UNIT	TM						
1A»	CORVUS 2.6SC	0.051	LAA	9	99	98	99	0	94	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						
2A»	CORVUS 2.6SC	0.051	LAA	9	99	98	98	0	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»	MSO	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
3A	LUMAX	1.48	LAA	9	99	99	98	0	98	99
B	LUMAX	1.48	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
4A	HARNESS XTRA	2.94	LAA	9	99	96	97	0	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						
5A	HARNESS XTRA	2.10	LAA	9	96	84	89	0	98	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	LAUDIS 3.5SC	0.055	LAA	12	99	98	99	0	99	99
B»	IGNITE 2.33SL	0.42	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
7A»	LAUDIS 3.5SC	0.082	LAA	12	99	94	97	0	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	LAUDIS 3.5SC	0.082	LAA	12	99	89	95	0	98	99
B»	RNDUP POWERMAX	0.38	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
9A»	LAUDIS 3.5SC	0.082	LAA	11	99	80	81	0	91	99
B	ATRAZINE DF	0.50	LAA	11						
C»	MSO	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
10A»	IMPACT 2.8SC	0.016	LAA	11	98	78	78	0	91	98
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
11A»	CAPRENO 3.45 S	0.081	LAA	11	99	88	86	0	93	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
12A»	IGNITE 2.33SL	0.42	LAA	12	99	95	94	0	91	90
13A»	IGNITE 2.33SL	0.42	LAA	12	99	96	95	0	95	94
B»	LIQUID AMS	4.38	PMV	12						
14A»	IGNITE 2.33SL	0.42	LAA	12	99	96	97	0	96	97
B»	CLASS ACT NG	2.50	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		ABUTH	PHBPU	XANST	ZEAMD	SETFA	CHEAL
		RATE	UNIT TM	CON % 06/21/08	CON % 06/21/08	CON % 06/21/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08
16A»	IGNITE 2.33SL	0.42	LAA 12	99	96	97	0	97	99
	B»CLASS ACT NG	2.50	PMV 12						
	C»AG 02013	4.00	ZMA 12						
17A»	IGNITE 2.33SL	0.42	LAA 12	99	92	94	0	95	91
	B»AGM 07027	1.25	PMV 12						
	C»LIQUID AMS	4.38	PMV 12						
18A»	IGNITE 2.33SL	0.42	LAA 12	99	94	94	0	95	99
	B»AGM 07027	1.25	PMV 12						
	C»CLASS ACT NG	2.50	PMV 12						
		LSD (0.05)		0.626	4.34	5.57	0.00	4.66	5.46
		STANDARD DEVIATION		0.31	2.15	2.76	0.00	2.30	2.70

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG  
**PLOT AREA:** 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	POLPY	AMBEL	ABUTH	PHBPU	XANST
		RATE	UNIT	TM	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08
1A»	CORVUS 2.6SC	0.051	LAA	9	99	99	99	99	94	95
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						
2A»	CORVUS 2.6SC	0.051	LAA	9	99	99	99	99	94	97
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						
3A	LUMAX	1.48	LAA	9	99	99	99	99	97	98
B	LUMAX	1.48	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
4A	HARNESS XTRA	2.94	LAA	9	99	99	99	99	91	94
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						
5A	HARNESS XTRA	2.10	LAA	9	99	99	99	98	93	92
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	LAUDIS 3.5SC	0.055	LAA	12	99	99	99	99	94	95
B»	IGNITE 2.33SL	0.42	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
7A»	LAUDIS 3.5SC	0.082	LAA	12	99	99	99	99	96	96
B»	RNDUP POWERMAX	0.77	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	LAUDIS 3.5SC	0.082	LAA	12	99	99	99	99	90	89
B»	RNDUP POWERMAX	0.38	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
9A»	LAUDIS 3.5SC	0.082	LAA	11	99	99	99	99	79	82
B	ATRAZINE DF	0.50	LAA	11						
C»	MSO	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
10A»	IMPACT 2.8SC	0.016	LAA	11	98	99	98	99	73	75
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
11A»	CAPRENO 3.45 S	0.081	LAA	11	99	99	99	99	84	87
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
12A»	IGNITE 2.33SL	0.42	LAA	12	95	98	96	96	78	78
13A»	IGNITE 2.33SL	0.42	LAA	12	96	99	96	96	82	80
B»	LIQUID AMS	4.38	PMV	12						
14A»	IGNITE 2.33SL	0.42	LAA	12	98	99	98	96	86	84
B»	CLASS ACT NG	2.50	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		AMATA	POLPY	AMBEL	ABUTH	PHBPU	XANST
		RATE	UNIT TM	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08	CON % 07/08/08
16A»	IGNITE 2.33SL	0.42	LAA 12	99	99	99	99	90	88
	B»CLASS ACT NG	2.50	PMV 12						
	C»AG 02013	4.00	ZMA 12						
17A»	IGNITE 2.33SL	0.42	LAA 12	97	99	98	99	83	78
	B»AGM 07027	1.25	PMV 12						
	C»LIQUID AMS	4.38	PMV 12						
18A»	IGNITE 2.33SL	0.42	LAA 12	99	99	99	99	88	84
	B»AGM 07027	1.25	PMV 12						
	C»CLASS ACT NG	2.50	PMV 12						
		LSD (0.05)		2.00	0.449	1.27	2.58	6.72	6.34
		STANDARD DEVIATION		1.00	0.222	0.629	1.28	3.32	3.14



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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG  
**PLOT AREA:** 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	POLPY	AMBEL
		RATE	UNIT	TM	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08
1A»	CORVUS 2.6SC	0.051	LAA	9	0	91	99	99	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						
2A»	CORVUS 2.6SC	0.051	LAA	9	0	98	99	99	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»	MSO	1.00	PMV	12						
F	28% UAN	2.50	PMV	12						
3A	LUMAX	1.48	LAA	9	0	98	99	99	99	99
B	LUMAX	1.48	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
4A	HARNESS XTRA	2.94	LAA	9	0	98	99	99	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						
5A	HARNESS XTRA	2.10	LAA	9	0	96	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	LAUDIS 3.5SC	0.055	LAA	12	0	99	99	99	99	99
B»	IGNITE 2.33SL	0.42	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
7A»	LAUDIS 3.5SC	0.082	LAA	12	0	99	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	LAUDIS 3.5SC	0.082	LAA	12	0	97	99	99	99	99
B»	RNDUP POWERMAX	0.38	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
9A»	LAUDIS 3.5SC	0.082	LAA	11	0	87	98	98	99	98
B	ATRAZINE DF	0.50	LAA	11						
C»	MSO	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
10A»	IMPACT 2.8SC	0.016	LAA	11	0	88	95	96	98	97
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
11A»	CAPRENO 3.45 S	0.081	LAA	11	0	89	99	99	99	98
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
12A»	IGNITE 2.33SL	0.42	LAA	12	0	89	88	91	97	92
13A»	IGNITE 2.33SL	0.42	LAA	12	0	89	90	94	99	95
B»	LIQUID AMS	4.38	PMV	12						
14A»	IGNITE 2.33SL	0.42	LAA	12	0	92	97	97	99	96
B»	CLASS ACT NG	2.50	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	POLPY	AMBEL
		RATE	UNIT TM	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08
16A»	IGNITE 2.33SL	0.42	LAA 12	0	94	99	99	99	99
	B»CLASS ACT NG	2.50	PMV 12						
	C»AG 02013	4.00	ZMA 12						
17A»	IGNITE 2.33SL	0.42	LAA 12	0	90	91	96	99	96
	B»AGM 07027	1.25	PMV 12						
	C»LIQUID AMS	4.38	PMV 12						
18A»	IGNITE 2.33SL	0.42	LAA 12	0	91	99	98	98	98
	B»AGM 07027	1.25	PMV 12						
	C»CLASS ACT NG	2.50	PMV 12						
		LSD (0.05)		0.00	5.56	6.45	2.39	1.32	2.00
		STANDARD DEVIATION		0.00	2.75	3.19	1.18	0.652	1.00

**TITLE:** Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400  
**CREATED:** 04/12/2008 **REVISED:** 11/11/2008 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG  
**PLOT AREA:** 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH	PHBPU	XANST
		RATE	UNIT	TM	CON % 07/22/08	CON % 07/22/08	CON % 07/22/08
1A	CORVUS 2.6SC	0.051	LAA	9	99	92	93
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			
2A	CORVUS 2.6SC	0.051	LAA	9	99	94	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			
3A	LUMAX	1.48	LAA	9	99	96	97
B	LUMAX	1.48	LAA	12			
C	ACTIVATOR 90	0.25	PMV	12			
4A	HARNESS XTRA	2.94	LAA	9	99	90	93
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			
5A	HARNESS XTRA	2.10	LAA	9	98	89	88
B	RNDUP POWERMAX	0.77	LAA	12			
C	LIQUID AMS	2.50	PMV	12			
6A	LAUDIS 3.5SC	0.055	LAA	12	99	92	92
B	IGNITE 2.33SL	0.42	LAA	12			
C	ATRAZINE DF	0.50	LAA	12			
D	LIQUID AMS	2.50	PMV	12			
7A	LAUDIS 3.5SC	0.082	LAA	12	99	94	95
B	RNDUP POWERMAX	0.77	LAA	12			
C	ATRAZINE DF	0.50	LAA	12			
D	LIQUID AMS	2.50	PMV	12			
8A	LAUDIS 3.5SC	0.082	LAA	12	99	87	89
B	RNDUP POWERMAX	0.38	LAA	12			
C	ATRAZINE DF	0.50	LAA	12			
D	LIQUID AMS	2.50	PMV	12			
9A	LAUDIS 3.5SC	0.082	LAA	11	99	78	80
B	ATRAZINE DF	0.50	LAA	11			
C	MSO	1.00	PMV	11			
D	28% UAN	2.50	PMV	11			
10A	IMPACT 2.8SC	0.016	LAA	11	99	73	73
B	ATRAZINE DF	0.50	LAA	11			
C	COC	1.00	PMV	11			
D	28% UAN	2.50	PMV	11			
11A	CAPRENO 3.45 S	0.081	LAA	11	99	84	88
B	ATRAZINE DF	0.50	LAA	11			
C	COC	1.00	PMV	11			
D	28% UAN	2.50	PMV	11			
12A	IGNITE 2.33SL	0.42	LAA	12	92	78	78
13A	IGNITE 2.33SL	0.42	LAA	12	94	84	83
B	LIQUID AMS	4.38	PMV	12			
14A	IGNITE 2.33SL	0.42	LAA	12	95	83	83
B	CLASS ACT NG	2.50	PMV	12			
15A	CHECK	0.00	NA	0	0	0	0

TITLE: Bayer herbicide comparisons for weed control in glufosinate-resistant corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	PHBPU	XANST
		RATE	UNIT		CON % 07/22/08	CON % 07/22/08	CON % 07/22/08
16A»	IGNITE 2.33SL	0.42	LAA	12	98	87	83
	B»CLASS ACT NG	2.50		12			
	C»AG 02013	4.00	ZMA	12			
17A»	IGNITE 2.33SL	0.42	LAA	12	97	80	80
	B»AGM 07027	1.25	PMV	12			
	C»LIQUID AMS	4.38	PMV	12			
18A»	IGNITE 2.33SL	0.42	LAA	12	95	88	85
	B»AGM 07027	1.25	PMV	12			
	C»CLASS ACT NG	2.50	PMV	12			
LSD (0.05)					3.75	6.17	5.71
STANDARD DEVIATION					1.85	3.05	2.82

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/01/2008(1)  
 11 = ----- / EPOST 05/31/2008(2)  
 12 = ----- / POST 06/10/2008(3)

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 %	06/21/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/21/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/21/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/21/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/21/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMBEL	CON %	06/21/2008	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	06/21/2008	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/21/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	06/21/2008	09	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ZEAMD	CON %	07/08/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	07/08/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	07/08/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	07/08/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	POLPY	CON %	07/08/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMBEL	CON %	07/08/2008	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	07/08/2008	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	07/08/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	XANST	CON %	07/08/2008	09	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	07/22/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/22/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/22/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	07/22/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	POLPY	CON %	07/22/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	AMBEL	CON %	07/22/2008	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	ABUTH	CON %	07/22/2008	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	PHBPU	CON %	07/22/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	XANST	CON %	07/22/2008	09	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 34A20