

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
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	05	09	10	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/08/08	04/21/08	05/09/08	AME
AIR TEMPERATURE	49	78	53	F
% REL.HUMIDITY	63	55	72	
WIND DIRECTION	SOUTHEAST	SOUTHWEST	NORTHEAST	
WIND SPEED	10.0	5.0	3.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLOUDY	
DEW	---	---	YES	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	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	30.00	30.00	30.00	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			---/11	
PIONEER 34A20			3.00/3.00	IN
04/21/2008				
*** PEST ***				
VELVETLEAF			---/11	
			1.00/2.00	IN
WATERHEMP, COMMO			---/12	
			0.50/0.50	IN
LAMBSQUARTERS, C			---/14	
			1.00/1.00	IN
MORNINGGLORY, TA			---/10	
			1.00/1.00	IN
FOXTAIL, GIANT			---/12	
			1.00/2.00	IN

* TIMING CODES

05 = ----- / EPP 15 DBP
09 = ----- / PREEMERGENCE
10 = ----- / VEPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = FIRST LEAF UNFOLDED
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Corvus and Balance Flexx for weed control in glyphosate-resistant corn. AS-100
CREATED: 03/28/2008 **REVISED:** 09/18/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/09/08	05/09/08	05/09/08	05/09/08	05/09/08	05/09/08
1A»	CORVUS 2.6SC	0.10	LAA 5	0	90	96	96	95	87
B	ATRAZINE DF	1.50	LAA 5						
2A»	CORVUS 2.6SC	0.136	LAA 5	0	96	98	98	97	91
B	ATRAZINE DF	1.50	LAA 5						
3A»	CORVUS 2.6SC	0.17	LAA 5	0	97	99	99	99	93
B	ATRAZINE DF	1.50	LAA 5						
4A»	BAL FLEXX 2L	0.125	LAA 5	0	96	98	99	99	93
B	ATRAZINE DF	1.50	LAA 5						
5A»	BAL FLEXX 2L	0.156	LAA 5	0	98	99	99	99	95
B	ATRAZINE DF	1.50	LAA 5						
6A»	BAL FLEXX 2L	0.187	LAA 5	0	99	99	99	99	96
B	ATRAZINE DF	1.50	LAA 5						
7A»	LEXAR 3.7L	3.24	LAA 5	0	98	99	99	99	94
8A»	CORVUS 2.6SC	0.067	LAA 9	0	91	99	99	91	88
B	ATRAZINE DF	1.50	LAA 9						
9A»	CORVUS 2.6SC	0.091	LAA 9	0	93	99	99	93	90
B	ATRAZINE DF	1.50	LAA 9						
10A»	CORVUS 2.6SC	0.114	LAA 9	0	94	99	99	98	95
B	ATRAZINE DF	1.50	LAA 9						
11A»	BAL FLEXX 2L	0.063	LAA 9	0	89	99	99	99	89
B	ATRAZINE DF	1.50	LAA 9						
12A»	BAL FLEXX 2L	0.078	LAA 9	0	91	99	99	99	92
B	ATRAZINE DF	1.50	LAA 9						
13A»	BAL FLEXX 2L	0.094	LAA 9	0	92	99	99	99	93
B	ATRAZINE DF	1.50	LAA 9						
14A»	LEXAR 3.7L	3.24	LAA 9	0	92	99	99	98	93
15A	CHECK	0.00	NA 0	0	0	0	0	0	0
16A»	CORVUS 2.6SC	0.067	LAA 10	0	C	C	C	C	C
B	ATRAZINE DF	1.50	LAA 10						
17A»	CORVUS 2.6SC	0.091	LAA 10	0	C	C	C	C	C
B	ATRAZINE DF	1.50	LAA 10						
18A»	CORVUS 2.6SC	0.114	LAA 10	0	C	C	C	C	C
B	ATRAZINE DF	1.50	LAA 10						
19A»	BAL FLEXX 2L	0.063	LAA 10	0	C	C	C	C	C
B	ATRAZINE DF	1.50	LAA 10						
20A»	BAL FLEXX 2L	0.078	LAA 10	0	C	C	C	C	C
B	ATRAZINE DF	1.50	LAA 10						
21A»	BAL FLEXX 2L	0.094	LAA 10	0	C	C	C	C	C
B	ATRAZINE DF	1.50	LAA 10						
22A»	LEXAR 3.7L	3.24	LAA 10	0	C	C	C	C	C
B»	ACTIVATOR 90	0.25	PMV 10						
LSD (0.05)				0.00	2.94	1.19	0.904	1.86	3.00
STANDARD DEVIATION				0.00	1.47	0.597	0.452	0.932	1.50

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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
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/20/08	05/20/08	05/20/08	05/20/08	05/20/08	05/20/08
1A»	CORVUS 2.6SC	0.10	LAA 5	0	73	95	96	87	73
B	ATRAZINE DF	1.50	LAA 5						
2A»	CORVUS 2.6SC	0.136	LAA 5	0	88	99	99	99	78
B	ATRAZINE DF	1.50	LAA 5						
3A»	CORVUS 2.6SC	0.17	LAA 5	0	90	99	99	99	82
B	ATRAZINE DF	1.50	LAA 5						
4A»	BAL FLEXX 2L	0.125	LAA 5	0	80	99	99	99	76
B	ATRAZINE DF	1.50	LAA 5						
5A»	BAL FLEXX 2L	0.156	LAA 5	0	85	99	99	99	79
B	ATRAZINE DF	1.50	LAA 5						
6A»	BAL FLEXX 2L	0.187	LAA 5	0	94	99	99	99	79
B	ATRAZINE DF	1.50	LAA 5						
7A»	LEXAR 3.7L	3.24	LAA 5	0	97	99	99	99	78
8A»	CORVUS 2.6SC	0.067	LAA 9	0	90	99	99	99	84
B	ATRAZINE DF	1.50	LAA 9						
9A»	CORVUS 2.6SC	0.091	LAA 9	0	96	99	99	99	86
B	ATRAZINE DF	1.50	LAA 9						
10A»	CORVUS 2.6SC	0.114	LAA 9	0	96	99	99	99	88
B	ATRAZINE DF	1.50	LAA 9						
11A»	BAL FLEXX 2L	0.063	LAA 9	0	93	99	99	99	85
B	ATRAZINE DF	1.50	LAA 9						
12A»	BAL FLEXX 2L	0.078	LAA 9	0	91	99	99	99	83
B	ATRAZINE DF	1.50	LAA 9						
13A»	BAL FLEXX 2L	0.094	LAA 9	0	96	99	99	99	86
B	ATRAZINE DF	1.50	LAA 9						
14A»	LEXAR 3.7L	3.24	LAA 9	0	98	99	99	99	91
15A	CHECK	0.00	NA 0	0	0	0	0	0	0
16A»	CORVUS 2.6SC	0.067	LAA 10	0	96	99	99	99	87
B	ATRAZINE DF	1.50	LAA 10						
17A»	CORVUS 2.6SC	0.091	LAA 10	0	97	99	99	99	90
B	ATRAZINE DF	1.50	LAA 10						
18A»	CORVUS 2.6SC	0.114	LAA 10	0	99	99	99	99	92
B	ATRAZINE DF	1.50	LAA 10						
19A»	BAL FLEXX 2L	0.063	LAA 10	0	92	99	99	99	86
B	ATRAZINE DF	1.50	LAA 10						
20A»	BAL FLEXX 2L	0.078	LAA 10	0	98	99	99	99	88
B	ATRAZINE DF	1.50	LAA 10						
21A»	BAL FLEXX 2L	0.094	LAA 10	0	98	99	99	99	92
B	ATRAZINE DF	1.50	LAA 10						
22A»	LEXAR 3.7L	3.24	LAA 10	0	99	99	99	99	96
B»	ACTIVATOR 90	0.25	PMV 10						
LSD (0.05)				0.00	5.17	1.52	0.804	2.00	5.23
STANDARD DEVIATION				0.00	2.58	0.759	0.402	1.00	2.62

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/11/08	06/11/08	06/11/08	06/11/08	06/11/08	06/11/08
1A»	CORVUS 2.6SC	0.10	LAA 5	0	72	94	75	93	78
B	ATRAZINE DF	1.50	LAA 5						
2A»	CORVUS 2.6SC	0.136	LAA 5	0	86	99	89	99	83
B	ATRAZINE DF	1.50	LAA 5						
3A»	CORVUS 2.6SC	0.17	LAA 5	0	91	99	95	99	93
B	ATRAZINE DF	1.50	LAA 5						
4A»	BAL FLEXX 2L	0.125	LAA 5	0	63	93	77	95	60
B	ATRAZINE DF	1.50	LAA 5						
5A»	BAL FLEXX 2L	0.156	LAA 5	0	63	93	77	95	60
B	ATRAZINE DF	1.50	LAA 5						
6A»	BAL FLEXX 2L	0.187	LAA 5	0	91	99	99	99	73
B	ATRAZINE DF	1.50	LAA 5						
7A»	LEXAR 3.7L	3.24	LAA 5	0	96	98	99	99	73
8A»	CORVUS 2.6SC	0.067	LAA 9	0	88	99	92	99	89
B	ATRAZINE DF	1.50	LAA 9						
9A»	CORVUS 2.6SC	0.091	LAA 9	0	92	99	96	99	93
B	ATRAZINE DF	1.50	LAA 9						
10A»	CORVUS 2.6SC	0.114	LAA 9	0	91	99	96	99	93
B	ATRAZINE DF	1.50	LAA 9						
11A»	BAL FLEXX 2L	0.063	LAA 9	0	73	99	93	99	73
B	ATRAZINE DF	1.50	LAA 9						
12A»	BAL FLEXX 2L	0.078	LAA 9	0	73	99	87	99	75
B	ATRAZINE DF	1.50	LAA 9						
13A»	BAL FLEXX 2L	0.094	LAA 9	0	77	99	94	99	83
B	ATRAZINE DF	1.50	LAA 9						
14A»	LEXAR 3.7L	3.24	LAA 9	0	98	99	99	99	92
15A	CHECK	0.00	NA 0	0	0	0	0	0	0
16A»	CORVUS 2.6SC	0.067	LAA 10	0	86	99	99	99	92
B	ATRAZINE DF	1.50	LAA 10						
17A»	CORVUS 2.6SC	0.091	LAA 10	0	90	99	99	99	92
B	ATRAZINE DF	1.50	LAA 10						
18A»	CORVUS 2.6SC	0.114	LAA 10	0	94	99	99	99	96
B	ATRAZINE DF	1.50	LAA 10						
19A»	BAL FLEXX 2L	0.063	LAA 10	0	65	99	98	99	82
B	ATRAZINE DF	1.50	LAA 10						
20A»	BAL FLEXX 2L	0.078	LAA 10	0	81	99	99	98	83
B	ATRAZINE DF	1.50	LAA 10						
21A»	BAL FLEXX 2L	0.094	LAA 10	0	85	99	99	99	87
B	ATRAZINE DF	1.50	LAA 10						
22A»	LEXAR 3.7L	3.24	LAA 10	0	98	99	99	99	94
B»	ACTIVATOR 90	0.25	PMV 10						
LSD (0.05)				0.00	5.86	1.71	5.78	2.49	5.66
STANDARD DEVIATION				0.00	2.93	0.853	2.89	1.24	2.83

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING
 05 = ----- / EPP 15 DBP 04/08/2008(1)
 09 = ----- / PREEMERGENCE 04/21/2008(2)
 10 = ----- / VEPOST 05/09/2008(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	05/09/2008	01	P	ZEAMD	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/09/2008	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/09/2008	03	P	CHEAL	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/09/2008	04	P	AMATA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/09/2008	05	P	ABUTH	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/09/2008	06	P	PHBPU	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	05/20/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	05/20/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	05/20/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	05/20/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	05/20/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	05/20/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/11/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/11/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/11/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	06/11/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/11/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/11/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 34A20

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
 12 = 2 LEAVES UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED