

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 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	10	11	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/22/09	06/04/09	06/10/09	AME
AIR TEMPERATURE	85	66	81	F
% REL.HUMIDITY	57	42	61	
WIND DIRECTION	SOUTH	NORTH	SOUTHEAST	
WIND SPEED	2.0	4.0	3.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	PARTCLDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
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	
SPRAY VOLUME UNIT	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				
*** PEST ***				
VELVETLEAF		---/10 0.50/0.50	---/12 1.00/2.00	IN
WATERHEMP, TALL		---/12 0.50/0.50	---/17 1.00/2.00	IN
RAGWEED, COMMON		---/11 1.00/1.00	---/13 1.00/3.00	IN
MORNINGGLORY, TA		---/10 1.00/1.00	---/12 1.00/2.00	IN
FOXTAIL, GIANT		---/11 1.00/3.00	---/13 2.00/4.00	IN
COCKLEBUR, COMMO		---/11 1.00/2.00	---/12 2.00/4.00	IN
CORN, DENT P 34F97 RR/LL 05/22/2009		---/12 4.00/4.00	---/13 6.00/6.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 10 = ----- / VEPOST  
 11 = ----- / EPOST

\* 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  
 13 = 3 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Bayer Herbicide Combinations for Weed Control in RR/LL Corn. C-500  
**CREATED:** 04/15/2009 **REVISED:** 09/04/2009 **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	AMBEL	AMATU	ABUTH	XANST
		RATE	UNIT	TM	CON % 06/10/09	CON % 06/10/09	CON % 06/10/09	CON % 06/10/09	CON % 06/10/09	CON % 06/10/09
1A»	CORVUS 2.6SC	0.114	LAA	9	0	78	94	99	96	90
B	ATRAZINE DF	1.00	LAA	9						
2A»	CORVUS 2.6SC	0.114	LAA	10	0	84	98	99	98	96
B	ATRAZINE DF	1.00	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
3A»	BAL FLEXX 2L	0.094	LAA	10	0	69	99	99	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
4A»	CAPRENO 3.45 S	0.081	LAA	10	0	95	99	99	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	COC	1.00	PMV	10						
D»	LIQUID AMS	2.50	PMV	10						
5A»	CORVUS 2.6SC	0.061	LAA	9	0	58	87	93	93	65
B»	LAUDIS 3.5SC	0.082	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A»	BAL FLEXX 2L	0.047	LAA	9	0	40	70	88	88	52
B»	LAUDIS 3.5SC	0.082	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
7A»	CORVUS 2.6SC	0.061	LAA	9	0	58	77	93	88	65
B»	IGNITE 2.33SL	0.40	LAA	11						
C»	LAUDIS 3.5SC	0.055	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
8A»	BAL FLEXX 2L	0.047	LAA	9	0	38	84	93	93	43
B»	IGNITE 2.33SL	0.40	LAA	11						
C»	LAUDIS 3.5SC	0.055	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
9A»	BAL FLEXX 2L	0.047	LAA	9	0	42	83	93	92	43
B»	CAPRENO 3.45 S	0.081	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LUMAX 3.9L	1.97	LAA	9	0	92	96	99	99	87
B	TOUCHDOWN TTL	0.78	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
12A»	SURESTART 4.16	1.04	LAA	9	0	99	99	99	93	90
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					0.00	10.30	6.23	3.48	4.66	7.29
STANDARD DEVIATION					0.00	5.00	3.00	1.68	2.24	3.52

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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			PHBPU CON % 06/10/09	ZEAMD CON % 06/19/09	SETFA CON % 06/19/09	AMBEL CON % 06/19/09	AMATU CON % 06/19/09	ABUTH CON % 06/19/09
		RATE	UNIT	TM						
1A»	CORVUS 2.6SC	0.114	LAA	9	65	0	70	93	99	94
B	ATRAZINE DF	1.00	LAA	9						
2A»	CORVUS 2.6SC	0.114	LAA	10	93	0	97	99	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
3A»	BAL FLEXX 2L	0.094	LAA	10	97	0	91	99	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
4A»	CAPRENO 3.45 S	0.081	LAA	10	98	0	97	99	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	COC	1.00	PMV	10						
D»	LIQUID AMS	2.50	PMV	10						
5A»	CORVUS 2.6SC	0.061	LAA	9	48	0	99	99	99	99
B»	LAUDIS 3.5SC	0.082	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A»	BAL FLEXX 2L	0.047	LAA	9	37	0	99	99	99	99
B»	LAUDIS 3.5SC	0.082	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
7A»	CORVUS 2.6SC	0.061	LAA	9	50	0	99	99	99	99
B»	IGNITE 2.33SL	0.40	LAA	11						
C»	LAUDIS 3.5SC	0.055	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
8A»	BAL FLEXX 2L	0.047	LAA	9	33	0	96	99	99	99
B»	IGNITE 2.33SL	0.40	LAA	11						
C»	LAUDIS 3.5SC	0.055	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
9A»	BAL FLEXX 2L	0.047	LAA	9	37	0	99	99	99	99
B»	CAPRENO 3.45 S	0.081	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LUMAX 3.9L	1.97	LAA	9	75	0	99	99	99	99
B	TOUCHDOWN TTL	0.78	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
12A»	SURESTART 4.16	1.04	LAA	9	65	0	99	99	99	99
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					10.14	0.00	5.25	1.23	0.00	1.76
STANDARD DEVIATION					4.89	0.00	2.53	0.593	0.00	0.85

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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			XANST	PHBPU	ZEAMD	SETFA	AMBEL	AMATU
		RATE	UNIT	TM	CON % 06/19/09	CON % 06/19/09	CON % 07/07/09	CON % 07/07/09	CON % 07/07/09	CON % 07/07/09
1A»	CORVUS 2.6SC	0.114	LAA	9	68	48	0	70	94	99
B	ATRAZINE DF	1.00	LAA	9						
2A»	CORVUS 2.6SC	0.114	LAA	10	99	98	0	96	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
3A»	BAL FLEXX 2L	0.094	LAA	10	99	97	0	96	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
4A»	CAPRENO 3.45 S	0.081	LAA	10	99	95	0	92	99	99
B	ATRAZINE DF	1.00	LAA	10						
C»	COC	1.00	PMV	10						
D»	LIQUID AMS	2.50	PMV	10						
5A»	CORVUS 2.6SC	0.061	LAA	9	99	97	0	98	99	99
B»	LAUDIS 3.5SC	0.082	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A»	BAL FLEXX 2L	0.047	LAA	9	99	97	0	98	99	99
B»	LAUDIS 3.5SC	0.082	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
7A»	CORVUS 2.6SC	0.061	LAA	9	99	93	0	92	99	99
B»	IGNITE 2.33SL	0.40	LAA	11						
C»	LAUDIS 3.5SC	0.055	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
8A»	BAL FLEXX 2L	0.047	LAA	9	99	89	0	88	99	99
B»	IGNITE 2.33SL	0.40	LAA	11						
C»	LAUDIS 3.5SC	0.055	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
9A»	BAL FLEXX 2L	0.047	LAA	9	99	97	0	89	99	99
B»	CAPRENO 3.45 S	0.081	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LUMAX 3.9L	1.97	LAA	9	98	88	0	99	99	99
B	TOUCHDOWN TTL	0.78	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
12A»	SURESTART 4.16	1.04	LAA	9	96	83	0	99	99	99
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					3.69	5.73	0.00	3.40	1.76	0.00
STANDARD DEVIATION					1.78	2.76	0.00	1.64	0.85	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 % 07/07/09	XANST CON % 07/07/09	PHBPU CON % 07/07/09
		RATE	UNIT	TM			
1A»	CORVUS 2.6SC	0.114	LAA	9	99	57	47
B	ATRAZINE DF	1.00	LAA	9			
2A»	CORVUS 2.6SC	0.114	LAA	10	99	99	97
B	ATRAZINE DF	1.00	LAA	10			
C»	ACTIVATOR 90	0.25	PMV	10			
3A»	BAL FLEXX 2L	0.094	LAA	10	99	97	97
B	ATRAZINE DF	1.00	LAA	10			
C»	ACTIVATOR 90	0.25	PMV	10			
4A»	CAPRENO 3.45 S	0.081	LAA	10	99	99	95
B	ATRAZINE DF	1.00	LAA	10			
C»	COC	1.00	PMV	10			
D»	LIQUID AMS	2.50	PMV	10			
5A»	CORVUS 2.6SC	0.061	LAA	9	99	99	97
B»	LAUDIS 3.5SC	0.082	LAA	11			
C	ATRAZINE DF	1.00	LAA	11			
D»	MSO	1.00	PMV	11			
E»	LIQUID AMS	2.50	PMV	11			
6A»	BAL FLEXX 2L	0.047	LAA	9	99	99	97
B»	LAUDIS 3.5SC	0.082	LAA	11			
C	ATRAZINE DF	1.00	LAA	11			
D»	MSO	1.00	PMV	11			
E»	LIQUID AMS	2.50	PMV	11			
7A»	CORVUS 2.6SC	0.061	LAA	9	99	94	83
B»	IGNITE 2.33SL	0.40	LAA	11			
C»	LAUDIS 3.5SC	0.055	LAA	11			
D»	MSO	1.00	PMV	11			
E»	LIQUID AMS	2.50	PMV	11			
8A»	BAL FLEXX 2L	0.047	LAA	9	99	93	76
B»	IGNITE 2.33SL	0.40	LAA	11			
C»	LAUDIS 3.5SC	0.055	LAA	11			
D»	MSO	1.00	PMV	11			
E»	LIQUID AMS	2.50	PMV	11			
9A»	BAL FLEXX 2L	0.047	LAA	9	99	94	92
B»	CAPRENO 3.45 S	0.081	LAA	11			
C	ATRAZINE DF	1.00	LAA	11			
D»	COC	1.00	PMV	11			
E»	LIQUID AMS	2.50	PMV	11			
10A	CHECK	0.00	NA	0	0	0	0
11A»	LUMAX 3.9L	1.97	LAA	9	99	98	88
B	TOUCHDOWN TTL	0.78	LAA	11			
C»	LIQUID AMS	2.50	PMV	11			
12A»	SURESTART 4.16	1.04	LAA	9	99	95	83
B	ATRAZINE DF	1.00	LAA	9			
C»	DURANGO 4AE	0.75	LAA	11			
D»	LIQUID AMS	2.50	PMV	11			
		LSD (0.05)			0.00	3.53	6.08
		STANDARD DEVIATION			0.00	1.70	2.93

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
09 = ----- / PREEMERGENCE 05/22/2009(1)  
10 = ----- / VEPOST 06/04/2009(2)

## \* TIMING CODES

11 = ----- / EPOST 06/10/2009(3)

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 %	06/10/2009	01	P	ZEAMD	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/10/2009	02	P	SETFA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/10/2009	03	P	AMBEL	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATU	CON %	06/10/2009	04	P	AMATU	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/10/2009	05	P	ABUTH	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/10/2009	06	P	XANST	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/10/2009	07	P	PHBPU	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/19/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/19/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMBEL	CON %	06/19/2009	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATU	CON %	06/19/2009	04	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/19/2009	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	CON %	06/19/2009	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	06/19/2009	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	07/07/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/07/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMBEL	CON %	07/07/2009	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATU	CON %	07/07/2009	04	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/07/2009	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST	CON %	07/07/2009	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	07/07/2009	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = P 34F97 RR/LL

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

13 = 3 LEAVES UNFOLDED

13 = 3 LEAVES UNFOLDED

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED