

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 6.0
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 29 FEET
 PLOT AREA: 217.5 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/06/14	05/30/14	06/09/14	AME
AIR TEMPERATURE	60	79	68	F
% REL.HUMIDITY	40	55	67	
WIND DIRECTION	EAST	SOUTHEAST	SOUTHEAST	
WIND SPEED	14.0	9.0	8.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	---	---	---	
NOZZLE DESCRIPTION	AI110025	AIXR11002	AIXR11002	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE	50	50	50	
SCREEN SZ DESC	MES	MES	MES	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	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	---	---	---	
FOLIAGE HEIGHT				FT
FOLIAGE WIDTH				FT
ROW WIDTH				FT
SPRAY VOL LWA/TRV				
S VOL LWA/TRV UNIT				
LEAF WALL AREA				M2H
TREE ROW VOLUME				M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *				
P, CORN, DENT N60F-3111 RR/LL (PLANTED) 05/05/2014		---/13 5.00/7.00 25 DAP	---/15 12.0/14.0 35 DAP	IN
PEST *				
P, VELVETLEAF		---/13 0.50/2.00	---/16 2.00/6.00	IN
P, RAGWEED, GIANT		---/14 2.00/4.00	---/18 4.00/10.0	IN
P, LAMBSQUARTERS, C		---/16 0.50/2.00	---/19 1.00/3.00	IN
P, FOXTAIL, GIANT		---/14 1.00/4.00	---/16 3.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

13 = 3 LEAVES UNFOLDED

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. SW-1500W
CREATED: 04/27/2014 **REVISED:** 08/20/2014 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 29.00 FT LONG
PLOT AREA: 217.50 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD CON % 06/06/14	SETFA CON % 06/06/14	AMBTR CON % 06/06/14	ABUTH CON % 06/06/14	CHEAL CON % 06/06/14	ZEAMD CON % 06/16/14
		RATE	UNIT	TM						
1A»	CORVUS 2.6SC	0.114	LAA	9	0	98	98	99	99	0
B	ATRAZINE DF	1.50	LAA	9						
2A»	LEXAR EZ 3.7SC	3.24	LAA	9	0	87	85	99	99	0
3A»	VERDICT 5.57L	0.78	LAA	9	0	88	96	98	98	0
B	ATRAZINE DF	1.50	LAA	9						
4A»	BKFREE NXT ATZ	2.80	LAA	9	0	96	91	98	99	0
B»	PREQUEL 45WG	0.047	LAA	0						
C	RESOLVE 25DF	0.016	LAA	9						
D»	ISOXAFLUTOLE 7	0.031	LAA	9						
5A»	RNDUP POWERMAX	1.125	LAA	11	4	95	98	99	99	0
B»	CAPRENO 3.45 S	0.081	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
6A»	HALEX GT 4.38L	1.97	LAA	11	3	96	99	99	99	0
B	ATRAZINE DF	1.00	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	RNDUP POWERMAX	1.125	LAA	11	3	96	98	99	99	0
B»	WARRANT 3L	1.125	LAA	11						
C	IMPACT 2.8SC	0.016	LAA	11						
D	ATRAZINE DF	0.50	LAA	11						
E»	MSO	0.50	PMV	11						
F»	LIQUID AMS	2.50	PMV	11						
8A»	ABUNDIT EXTRA	1.00	LAA	11	2	97	98	99	98	0
B»	REALM Q	4.00	OMA	0						
C	RESOLVE 25DF	0.0188	LAA	11						
D»	MESOTRIONE 50W	0.078	LAA	11						
E»	ISOXADIFEN-ETH	0.0094	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
9A»	CORVUS 2.6SC	0.061	LAA	9	0	87	92	98	98	15
B	ATRAZINE DF	1.00	LAA	9						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	DIFLEXX 4L	0.50	LAA	12						
E»	COC	1.00	PMV	12						
F»	LIQUID AMS	2.50	PMV	12						
10A»	CORVUS 2.6SC	0.061	LAA	9	0	75	94	95	97	3
B»	CAPRENO 3.45 S	0.081	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
11A»	LEXAR EZ 3.7SC	1.62	LAA	9	0	75	91	98	98	4
B»	HALEX GT 4.38L	1.97	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
12A»	VERDICT 5.57L	0.696	LAA	9	0	93	95	98	99	4
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	STATUS 56DG	0.088	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	KEYSTONE NXT 5	3.15	LAA	9	1	96	90	92	98	0
B»	HORNET 68.5WG	0.171	LAA	9						
C»	DURANGO 4AE	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. SW-1500W

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	ZEAMD
		RATE	UNIT	TM	CON % 06/06/14	CON % 06/06/14	CON % 06/06/14	CON % 06/06/14	CON % 06/06/14	CON % 06/16/14
15A	HARNESX XTRA	2.80	LAA	9	0	92	50	67	94	3
	B»RNDUP POWERMAX	1.125	LAA	12						
	C IMPACT 2.8SC	0.022	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»MSO	0.50	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			1.12	5.76	12.09	4.40	2.76	0.718
		STANDARD DEVIATION			0.545	2.81	5.90	2.15	1.35	0.35

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PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 29.00 FT LONG
PLOT AREA: 217.50 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA CON % 06/16/14	AMBTR CON % 06/16/14	ABUTH CON % 06/16/14	CHEAL CON % 06/16/14	ZEAMD CON % 07/07/14	SETFA CON % 07/07/14
		RATE	UNIT	TM						
1A»	CORVUS 2.6SC	0.114	LAA	9	97	94	99	99	0	89
B	ATRAZINE DF	1.50	LAA	9						
2A»	LEXAR EZ 3.7SC	3.24	LAA	9	76	85	99	98	0	57
3A»	VERDICT 5.57L	0.78	LAA	9	77	93	97	94	0	58
B	ATRAZINE DF	1.50	LAA	9						
4A»	BKFREE NXT ATZ	2.80	LAA	9	92	82	97	99	0	80
B»	PREQUEL 45WG	0.047	LAA	0						
C	RESOLVE 25DF	0.016	LAA	9						
D»	ISOXAFLOTOLE 7	0.031	LAA	9						
5A»	RNDUP POWERMAX	1.125	LAA	11	94	96	97	99	0	84
B»	CAPRENO 3.45 S	0.081	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
6A»	HALEX GT 4.38L	1.97	LAA	11	96	98	99	99	0	87
B	ATRAZINE DF	1.00	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	RNDUP POWERMAX	1.125	LAA	11	94	97	96	98	0	85
B»	WARRANT 3L	1.125	LAA	11						
C	IMPACT 2.8SC	0.016	LAA	11						
D	ATRAZINE DF	0.50	LAA	11						
E»	MSO	0.50	PMV	11						
F»	LIQUID AMS	2.50	PMV	11						
8A»	ABUNDIT EXTRA	1.00	LAA	11	96	97	99	97	0	85
B»	REALM Q	4.00	OMA	0						
C	RESOLVE 25DF	0.0188	LAA	11						
D»	MESOTRIONE 50W	0.078	LAA	11						
E»	ISOXADIFEN-ETH	0.0094	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
9A»	CORVUS 2.6SC	0.061	LAA	9	99	99	99	99	0	95
B	ATRAZINE DF	1.00	LAA	9						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	DIFLEXX 4L	0.50	LAA	12						
E»	COC	1.00	PMV	12						
F»	LIQUID AMS	2.50	PMV	12						
10A»	CORVUS 2.6SC	0.061	LAA	9	92	99	99	99	0	84
B»	CAPRENO 3.45 S	0.081	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
11A»	LEXAR EZ 3.7SC	1.62	LAA	9	92	98	99	99	0	95
B»	HALEX GT 4.38L	1.97	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
12A»	VERDICT 5.57L	0.696	LAA	9	99	99	99	99	0	97
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	STATUS 56DG	0.088	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	KEYSTONE NXT 5	3.15	LAA	9	99	98	99	99	0	97
B»	HORNET 68.5WG	0.171	LAA	9						
C»	DURANGO 4AE	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. SW-1500W

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBTR	ABUTH	CHEAL	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/16/14	CON % 06/16/14	CON % 06/16/14	CON % 06/16/14	CON % 07/07/14	CON % 07/07/14
15A	HARNESX XTRA	2.80	LAA	9	97	95	97	99	0	96
	B»RNDUP POWERMAX	1.125	LAA	12						
	C IMPACT 2.8SC	0.022	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»MSO	0.50	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				9.07	13.74	1.45	2.00	0.00	11.41
	STANDARD DEVIATION				4.43	6.71	0.71	1.00	0.00	5.57

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CREATED: 04/27/2014 **REVISED:** 08/20/2014 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 29.00 FT LONG
PLOT AREA: 217.50 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBTR CON % 07/07/14	ABUTH CON % 07/07/14	CHEAL CON % 07/07/14
		RATE	UNIT	TM			
1A	CORVUS 2.6SC	0.114	LAA	9	93	99	99
B	ATRAZINE DF	1.50	LAA	9			
2A	LEXAR EZ 3.7SC	3.24	LAA	9	78	99	99
3A	VERDICT 5.57L	0.78	LAA	9	89	93	89
B	ATRAZINE DF	1.50	LAA	9			
4A	BKFREE NXT ATZ	2.80	LAA	9	68	92	99
B	PREQUEL 45WG	0.047	LAA	0			
C	RESOLVE 25DF	0.016	LAA	9			
D	ISOXAFLUTOLE 7	0.031	LAA	9			
5A	RNDUP POWERMAX	1.125	LAA	11	91	93	99
B	CAPRENO 3.45 S	0.081	LAA	11			
C	ATRAZINE DF	1.00	LAA	11			
D	LIQUID AMS	2.50	PMV	11			
6A	HALEX GT 4.38L	1.97	LAA	11	98	99	99
B	ATRAZINE DF	1.00	LAA	11			
C	ACTIVATOR 90	0.25	PMV	11			
D	LIQUID AMS	2.50	PMV	11			
7A	RNDUP POWERMAX	1.125	LAA	11	83	91	97
B	WARRANT 3L	1.125	LAA	11			
C	IMPACT 2.8SC	0.016	LAA	11			
D	ATRAZINE DF	0.50	LAA	11			
E	MSO	0.50	PMV	11			
F	LIQUID AMS	2.50	PMV	11			
8A	ABUNDIT EXTRA	1.00	LAA	11	93	99	96
B	REALM Q	4.00	OMA	0			
C	RESOLVE 25DF	0.0188	LAA	11			
D	MESOTRIONE 50W	0.078	LAA	11			
E	ISOXADIFEN-ETH	0.0094	LAA	11			
F	LIQUID AMS	2.50	PMV	11			
9A	CORVUS 2.6SC	0.061	LAA	9	98	99	99
B	ATRAZINE DF	1.00	LAA	9			
C	RNDUP POWERMAX	1.125	LAA	12			
D	DIFLEXX 4L	0.50	LAA	12			
E	COC	1.00	PMV	12			
F	LIQUID AMS	2.50	PMV	12			
10A	CORVUS 2.6SC	0.061	LAA	9	98	99	99
B	CAPRENO 3.45 S	0.081	LAA	12			
C	ATRAZINE DF	1.00	LAA	12			
D	COC	1.00	PMV	12			
E	LIQUID AMS	2.50	PMV	12			
11A	LEXAR EZ 3.7SC	1.62	LAA	9	99	99	99
B	HALEX GT 4.38L	1.97	LAA	12			
C	ATRAZINE DF	0.50	LAA	12			
D	ACTIVATOR 90	0.25	PMV	12			
E	LIQUID AMS	2.50	PMV	12			
12A	VERDICT 5.57L	0.696	LAA	9	93	99	98
B	RNDUP POWERMAX	1.125	LAA	12			
C	STATUS 56DG	0.088	LAA	12			
D	ACTIVATOR 90	0.25	PMV	12			
E	LIQUID AMS	2.50	PMV	12			
13A	CHECK	0.00	NA	0	0	0	0
14A	KEYSTONE NXT 5	3.15	LAA	9	96	99	99
B	HORNET 68.5WG	0.171	LAA	9			
C	DURANGO 4AE	1.00	LAA	12			
D	LIQUID AMS	2.50	PMV	12			

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. SW-1500W

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	AMBTR CON % 07/07/14	ABUTH CON % 07/07/14	CHEAL CON % 07/07/14
15A	HARNES XTRA	2.80	LAA 9	95	97	99
	B»RNDUP POWERMAX	1.125	LAA 12			
	C IMPACT 2.8SC	0.022	LAA 12			
	D ATRAZINE DF	0.50	LAA 12			
	E»MSO	0.50	PMV 12			
	F»LIQUID AMS	2.50	PMV 12			
	LSD (0.05)			19.46	4.30	3.00
	STANDARD DEVIATION			9.50	2.10	1.47

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/06/2014(1)
- 11 = ----- / EPOST 05/30/2014(2)
- 12 = ----- / POST 06/09/2014(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 %	06/06/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/06/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	06/06/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/06/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/06/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/16/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/16/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	CON %	06/16/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/16/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/16/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/07/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/07/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBTR	CON %	07/07/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/07/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/07/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N60F-3111 RR/LL