

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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIIX	LIQMIIX	LIQMIIX	
APPLICATION DATE	05/14/13	06/03/13	06/17/13	AME
AIR TEMPERATURE	82	65	83	F
% REL.HUMIDITY	40	44	34	
WIND DIRECTION	WEST	SOUTHEAST	WEST	
WIND SPEED	10.0	4.0	6.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION	TeeJet AI	TeeJet AI	TeeJet AI	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE	50	50	50	
SCREEN SZ DESC	MES	MES	MES	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	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		---/12	---/15	
GOLDEN HARVEST 8		4.00/6.00	10.0/14.0	IN
(PLANTED) 05/13/2013		21 DAP	35 DAP	
PEST *				
P, VELVETLEAF		---/12 0.50/2.00	---/14 1.00/5.00	IN
P, RAGWEED, GIANT		---/14 1.00/4.00	---/18 3.00/9.00	IN
P, FOXTAIL, GIANT		---/12 0.50/2.00	---/15 2.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2 LEAVES UNFOLDED
 12 = 2 LEAVES UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

15 = 5 LEAVES UNFOLDED

15 = 5 LEAVES UNFOLDED

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. SW-1500W
CREATED: 04/19/2013 **REVISED:** 10/02/2013 **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	ZEAMD	SETFA	AMBTR	ABUTH	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/13/13	06/13/13	06/13/13	06/28/13
1A»	CORVUS 2.6SC	0.061	LAA	9	0	98	72	97
B	ATRAZINE DF	1.00	LAA	9				
C»	RNDUP POWERMAX	1.125	LAA	12				
D»	LIQUID AMS	2.50	PMV	12				
2A»	CORVUS 2.6SC	0.061	LAA	9	0	91	72	93
B»	CAPRENO 3.45 S	0.081	LAA	12				3
C	ATRAZINE DF	1.00	LAA	12				
D»	COC	1.00	PMV	12				
E»	LIQUID AMS	2.50	PMV	12				
3A»	LEXAR EZ 3.7SC	1.62	LAA	9	0	96	82	99
B»	HALEX GT 4.38L	1.97	LAA	12				5
C	ATRAZINE DF	0.50	LAA	12				
D»	ACTIVATOR 90	0.25	PMV	12				
E»	LIQUID AMS	2.50	PMV	12				
4A»	VERDICT 5.57L	0.696	LAA	9	0	98	78	79
B»	RNDUP POWERMAX	1.125	LAA	12				0
C»	STATUS 56DG	0.088	LAA	12				
D»	ACTIVATOR 90	0.25	PMV	12				
E»	LIQUID AMS	2.50	PMV	12				
5A»	INSTIGATE	6.00	OMA	0	0	73	62	99
B	RESOLVE 25DF	0.016	LAA	9				0
C»	MESOTRIONE 50W	0.156	LAA	9				
D	ATRAZINE DF	1.00	LAA	9				
E»	REALM Q	4.00	OMA	0				
F	RESOLVE 25DF	0.0188	LAA	12				
G»	MESOTRIONE 50W	0.078	LAA	12				
H»	ISOXADIFEN-ETH	0.0094	LAA	12				
I»	ABUNDIT EXTRA	1.00	LAA	12				
J»	LIQUID AMS	2.50	PMV	12				
6A»	GF-3151 5.6SC	3.06	LAA	9	0	97	96	70
B»	HORNET 68.5WG	0.171	LAA	9				0
C»	DURANGO 4AE	1.00	LAA	12				
D»	LIQUID AMS	2.50	PMV	12				
7A»	RNDUP POWERMAX	1.125	LAA	11	0	98	97	98
B»	CAPRENO 3.45 S	0.081	LAA	11				0
C	ATRAZINE DF	1.00	LAA	11				
D»	LIQUID AMS	2.50	PMV	11				
8A»	HALEX GT 4.38L	1.97	LAA	11	0	99	98	99
B	ATRAZINE DF	1.00	LAA	11				0
C»	ACTIVATOR 90	0.25	PMV	11				
D»	LIQUID AMS	2.50	PMV	11				
9A»	RNDUP POWERMAX	1.125	LAA	11	0	99	99	99
B»	WARRANT 3L	1.125	LAA	11				0
C	IMPACT 2.8SC	0.016	LAA	11				
D	ATRAZINE DF	0.50	LAA	11				
E»	M50	0.50	PMV	11				
F»	LIQUID AMS	2.50	PMV	11				
10A»	ABUNDIT EXTRA	1.00	LAA	11	0	99	98	99
B»	REALM Q	4.00	OMA	0				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				
11A»	CORVUS 2.6SC	0.114	LAA	9	0	99	95	99
B	ATRAZINE DF	1.50	LAA	9				0
12A»	LEXAR EZ 3.7SC	3.24	LAA	9	0	99	98	98

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

TRT	TREATMENT	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/13/13	06/13/13	06/13/13	06/13/13	06/28/13	06/28/13
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A	»VERDICT 5.57L	0.78	LAA	9	0	92	57	75	0	88
	B ATRAZINE DF	1.50	LAA	9						
15A	BREAKFREE ATZ	2.63	LAA	9	0	99	94	99	0	99
	B»PREQUEL 45WG	0.047	LAA	0						
	C RESOLVE 25DF	0.016	LAA	9						
	D»ISOXAFLUTOLE 7	0.031	LAA	9						
		LSD (0.05)			0.00	6.71	20.10	6.47	0.00	5.82
		STANDARD DEVIATION			0.00	3.28	9.81	3.16	0.00	2.84

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. SW-1500W
CREATED: 04/19/2013 **REVISED:** 10/02/2013 **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	ZEAMD	SETFA	AMBTR	ABUTH
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/28/13	06/28/13	07/18/13	07/18/13	07/18/13	07/18/13
1A»	CORVUS 2.6SC	0.061	LAA 9	93	96	0	98	98	96
B	ATRAZINE DF	1.00	LAA 9						
C»	RNDUP POWERMAX	1.125	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
2A»	CORVUS 2.6SC	0.061	LAA 9	99	98	0	96	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						
3A»	LEXAR EZ 3.7SC	1.62	LAA 9	99	99	0	98	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						
4A»	VERDICT 5.57L	0.696	LAA 9	99	99	0	99	99	99
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						
5A»	INSTIGATE	6.00	OMA 0	94	99	0	96	96	99
B	RESOLVE 25DF	0.016	LAA 9						
C»	MESOTRIONE 50W	0.156	LAA 9						
D	ATRAZINE DF	1.00	LAA 9						
E»	REALM Q	4.00	OMA 0						
F	RESOLVE 25DF	0.0188	LAA 12						
G»	MESOTRIONE 50W	0.078	LAA 12						
H»	ISOXADIFEN-ETH	0.0094	LAA 12						
I»	ABUNDIT EXTRA	1.00	LAA 12						
J»	LIQUID AMS	2.50	PMV 12						
6A»	GF-3151 5.6SC	3.06	LAA 9	98	98	0	99	98	98
B»	HORNET 68.5WG	0.171	LAA 9						
C»	DURANGO 4AE	1.00	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
7A»	RNDUP POWERMAX	1.125	LAA 11	94	95	0	95	93	94
B»	CAPRENO 3.45 S	0.081	LAA 11						
C	ATRAZINE DF	1.00	LAA 11						
D»	LIQUID AMS	2.50	PMV 11						
8A»	HALEX GT 4.38L	1.97	LAA 11	98	99	0	97	99	99
B	ATRAZINE DF	1.00	LAA 11						
C»	ACTIVATOR 90	0.25	PMV 11						
D»	LIQUID AMS	2.50	PMV 11						
9A»	RNDUP POWERMAX	1.125	LAA 11	99	94	0	96	97	91
B»	WARRANT 3L	1.125	LAA 11						
C	IMPACT 2.8SC	0.016	LAA 11						
D	ATRAZINE DF	0.50	LAA 11						
E»	M50	0.50	PMV 11						
F»	LIQUID AMS	2.50	PMV 11						
10A»	ABUNDIT EXTRA	1.00	LAA 11	92	97	0	86	97	99
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						
11A»	CORVUS 2.6SC	0.114	LAA 9	91	97	0	98	89	98
B	ATRAZINE DF	1.50	LAA 9						
12A»	LEXAR EZ 3.7SC	3.24	LAA 9	99	99	0	99	98	99

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

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	DOSAGE UNIT	TM	AMBTR CON % 06/28/13	ABUTH CON % 06/28/13	ZEAMD CON % 07/18/13	SETFA CON % 07/18/13	AMBTR CON % 07/18/13	ABUTH CON % 07/18/13
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A	»VERDICT 5.57L	0.78	LAA	9	48	78	0	84	40	76
	B ATRAZINE DF	1.50	LAA	9						
15A	BREAKFREE ATZ	2.63	LAA	9	85	96	0	99	73	97
	B»PREQUEL 45WG	0.047	LAA	0						
	C RESOLVE 25DF	0.016	LAA	9						
	D»ISOXAFLOTOLE 7	0.031	LAA	9						
LSD (0.05)					12.94	4.92	0.00	6.66	16.00	4.85
STANDARD DEVIATION					6.32	2.40	0.00	3.25	7.81	2.37

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/14/2013(1)
 11 = ----- / EPOST 06/03/2013(2)
 12 = ----- / POST 06/17/2013(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 %	06/13/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/13/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	06/13/2013	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/13/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	06/28/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	06/28/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMBTR	CON %	06/28/2013	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/28/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/18/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/18/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMBTR	CON %	07/18/2013	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/18/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GOLDEN HARVEST 8577 RR/LL