

## 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	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/14/13	06/14/13	AME
AIR TEMPERATURE	82	71	F
% REL.HUMIDITY	40	64	
WIND DIRECTION	WEST	EAST	
WIND SPEED	10.0	7.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	---	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION	TeeJet AI	TeeJet AI	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SCREEN SIZE	50	50	
SCREEN SZ DESC	MES	MES	
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	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	
CROP *			
P, CORN, DENT GOLDEN HARVEST 8 (PLANTED) 05/13/2013		---/14 10.0/12.0 32 DAP	IN
PEST *			
P, VELVETLEAF		---/13 1.00/4.00	IN
P, RAGWEED, GIANT		---/18 2.00/8.00	IN
P, FOXTAIL, GIANT		---/14 1.00/4.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 12 = ----- / POST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Pre and Post Herbicide Systems for Weed Control in RR/LL Corn. SW-1500W  
**CREATED:** 04/19/2013 **REVISED:** 11/12/2013 **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 NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD CON % 06/14/13	SETFA CON % 05/14/13	AMBTR CON % 06/14/13	ABUTH CON % 06/14/13	ZEAMD CON % 06/25/13	SETFA CON % 06/25/13
		RATE	UNIT	TM						
1A	BICEP II MAG	1.79	LAA	9	0	98	33	42	0	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						
2A»	SURESTART 4.16	1.04	LAA	9	0	96	57	53	0	99
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	LEXAR EZ 3.7SC	1.62	LAA	9	0	96	73	99	0	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	BREAKFREE ATZ	1.97	LAA	9	0	99	57	60	0	99
	B»REALM Q	4.00	OMA	0						
	C RESOLVE 25DF	0.0188	LAA	12						
	D»MESOTRIONE 50W	0.078	LAA	12						
	E»ISOXADIFEN-ETH	0.0094	LAA	12						
	F»ABUNDIT EXTRA	1.00	LAA	12						
	G»LIQUID AMS	2.50	PMV	12						
5A»	LUMAX EZ 3.67S	1.38	LAA	9	0	99	60	99	0	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						
6A»	CORVUS 2.6SC	0.061	LAA	9	0	90	47	85	0	99
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A»	VERDICT 5.57L	0.696	LAA	9	0	98	40	63	0	99
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»ARMEZON 2.8SC	0.016	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»ACTIVATOR 90	0.25	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
8A	BICEP II MAG	1.79	LAA	9	0	99	43	40	0	99
	B»CALLISTO XTRA	0.69	LAA	12						
	C»TOUCHDN TOTAL	1.04	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
9A»	GF-3151 5.6SC	3.64	LAA	9	0	99	85	53	0	99
	B»HORNET 68.5WG	0.171	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
10A»	SURESTART 4.16	1.30	LAA	9	0	98	75	40	0	99
	B»DURANGO 4AE	1.00	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
11A	HARNESS XTRA	2.10	LAA	9	0	99	43	30	0	99
	B»RNDUP POWERMAX	1.05	LAA	12						
	C IMPACT 2.8SC	0.016	LAA	12						
	D»MSO	1.00	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
12A»	INSTIGATE	6.00	OMA	0	0	75	83	98	0	99
	B RESOLVE 25DF	0.016	LAA	9						
	C»MESOTRIONE 50W	0.156	LAA	9						
	D ATRAZINE DF	1.00	LAA	9						
	E»ABUNDIT EXTRA	1.00	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						

## TITLE: Pre and Post Herbicide Systems for Weed Control in RR/LL Corn. SW-1500W

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	ZEAMD	SETFA	
		RATE	UNIT	TM	CON % 06/14/13	CON % 05/14/13	CON % 06/14/13	CON % 06/14/13	CON % 06/25/13	CON % 06/25/13	
13A»	LEXAR EZ 3.7SC	3.24	LAA	9	0	99	78	99	0	99	
14A»	LUMAX EZ 3.67S	2.98	LAA	9	0	99	83	99	0	99	
15A»	CORVUS 2.6SC	0.114	LAA	9	0	98	78	99	0	99	
	B ATRAZINE DF	1.50	LAA	9							
16A	CHECK	0.00	NA	0	0	0	0	0	0	0	
17A»	VERDICT 5.57L	0.78	LAA	9	0	99	87	73	0	99	
	B ATRAZINE DF	1.50	LAA	9							
18A	HARNESS XTRA	3.50	LAA	9	0	99	93	98	0	99	
	B BALANCE PRO 4	0.047	LAA	9							
					LSD (0.05)	0.00	6.08	14.88	16.27	0.00	0.00
					STANDARD DEVIATION	0.00	3.00	7.36	8.00	0.00	0.00

**TITLE:** Pre and Post Herbicide Systems for Weed Control in RR/LL Corn. SW-1500W  
**CREATED:** 04/19/2013 **REVISED:** 11/12/2013 **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 NUM	TREATMENT COMPONENT	DOSAGE			AMBTR CON % 06/25/13	ABUTH CON % 06/25/13	ZEAMD CON % 07/15/13	SETFA CON % 07/15/13	AMBTR CON % 07/15/13	ABUTH CON % 07/15/13
		RATE	UNIT	TM						
1A	BICEP II MAG	1.79	LAA	9	94	98	0	99	98	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						
2A»	SURESTART 4.16	1.04	LAA	9	87	94	0	99	82	94
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	LEXAR EZ 3.7SC	1.62	LAA	9	96	98	0	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						
4A	BREAKFREE ATZ	1.97	LAA	9	91	99	0	99	97	99
	B»REALM Q	4.00	OMA	0						
	C RESOLVE 25DF	0.0188	LAA	12						
	D»MESOTRIONE 50W	0.078	LAA	12						
	E»ISOXADIFEN-ETH	0.0094	LAA	12						
	F»ABUNDIT EXTRA	1.00	LAA	12						
	G»LIQUID AMS	2.50	PMV	12						
5A»	LUMAX EZ 3.67S	1.38	LAA	9	96	99	0	99	98	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						
6A»	CORVUS 2.6SC	0.061	LAA	9	91	99	0	98	90	98
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A»	VERDICT 5.57L	0.696	LAA	9	96	99	0	99	96	99
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»ARMEZON 2.8SC	0.016	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»ACTIVATOR 90	0.25	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
8A	BICEP II MAG	1.79	LAA	9	92	98	0	99	98	99
	B»CALLISTO XTRA	0.69	LAA	12						
	C»TOUCHDN TOTAL	1.04	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
9A»	GF-3151 5.6SC	3.64	LAA	9	96	95	0	99	90	97
	B»HORNET 68.5WG	0.171	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
10A»	SURESTART 4.16	1.30	LAA	9	90	96	0	99	83	94
	B»DURANGO 4AE	1.00	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
11A	HARNESS XTRA	2.10	LAA	9	87	92	0	99	78	92
	B»RNDUP POWERMAX	1.05	LAA	12						
	C IMPACT 2.8SC	0.016	LAA	12						
	D»MSO	1.00	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
12A»	INSTIGATE	6.00	OMA	0	94	98	0	98	99	99
	B RESOLVE 25DF	0.016	LAA	9						
	C»MESOTRIONE 50W	0.156	LAA	9						
	D ATRAZINE DF	1.00	LAA	9						
	E»ABUNDIT EXTRA	1.00	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						

**TITLE:** Pre and Post Herbicide Systems for Weed Control in RR/LL Corn. SW-1500W

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBTR	ABUTH	ZEAMD	SETFA	AMBTR	ABUTH
		RATE	UNIT	TM	CON % 06/25/13	CON % 06/25/13	CON % 07/15/13	CON % 07/15/13	CON % 07/15/13	CON % 07/15/13
13A	»LEXAR EZ 3.7SC	3.24	LAA	9	70	99	0	98	67	99
14A	»LUMAX EZ 3.67S	2.98	LAA	9	77	99	0	98	73	99
15A	»CORVUS 2.6SC	0.114	LAA	9	65	98	0	98	53	99
	B ATRAZINE DF	1.50	LAA	9						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	»VERDICT 5.57L	0.78	LAA	9	87	73	0	98	85	75
	B ATRAZINE DF	1.50	LAA	9						
18A	HARNESS XTRA	3.50	LAA	9	84	96	0	99	76	97
	B BALANCE PRO 4	0.047	LAA	9						
					LSD (0.05)					
					STANDARD DEVIATION					
					9.61	3.46	0.00	1.13	8.93	3.32
					4.76	1.71	0.00	0.558	4.42	1.64

**TITLE:** Pre and Post Herbicide Systems for Weed Control in RR/LL Corn. SW-1500W  
**CREATED:** 04/19/2013 **REVISED:** 11/12/2013 **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 NUM	TREATMENT COMPONENT	DOSAGE			YIELD BU/A 10/24/13
		RATE	UNIT	TM	
1A	BICEP II MAG	1.79	LAA	9	171.3
	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	
2A»	SURESTART 4.16	1.04	LAA	9	178.0
	B ATRAZINE DF	1.00	LAA	9	
	C»DURANGO 4AE	1.00	LAA	12	
	D»LIQUID AMS	2.50	PMV	12	
3A»	LEXAR EZ 3.7SC	1.62	LAA	9	177.0
	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	BREAKFREE ATZ	1.97	LAA	9	178.5
	B»REALM Q	4.00	OMA	0	
	C RESOLVE 25DF	0.0188	LAA	12	
	D»MESOTRIONE 50W	0.078	LAA	12	
	E»ISOXADIFEN-ETH	0.0094	LAA	12	
	F»ABUNDIT EXTRA	1.00	LAA	12	
	G»LIQUID AMS	2.50	PMV	12	
5A»	LUMAX EZ 3.67S	1.38	LAA	9	178.1
	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	
6A»	CORVUS 2.6SC	0.061	LAA	9	178.6
	B»RNDUP POWERMAX	1.05	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
7A»	VERDICT 5.57L	0.696	LAA	9	189.7
	B»RNDUP POWERMAX	1.05	LAA	12	
	C»ARMEZON 2.8SC	0.016	LAA	12	
	D ATRAZINE DF	0.50	LAA	12	
	E»ACTIVATOR 90	0.25	PMV	12	
	F»LIQUID AMS	2.50	PMV	12	
8A	BICEP II MAG	1.79	LAA	9	184.5
	B»CALLISTO XTRA	0.69	LAA	12	
	C»TOUCHDN TOTAL	1.04	LAA	12	
	D»LIQUID AMS	2.50	PMV	12	
9A»	GF-3151 5.6SC	3.64	LAA	9	183.0
	B»HORNET 68.5WG	0.171	LAA	9	
	C»DURANGO 4AE	1.00	LAA	12	
	D»LIQUID AMS	2.50	PMV	12	
10A»	SURESTART 4.16	1.30	LAA	9	175.4
	B»DURANGO 4AE	1.00	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
11A	HARNESS XTRA	2.10	LAA	9	196.6
	B»RNDUP POWERMAX	1.05	LAA	12	
	C IMPACT 2.8SC	0.016	LAA	12	
	D»MSO	1.00	PMV	12	
	E»LIQUID AMS	2.50	PMV	12	
12A»	INSTIGATE	6.00	OMA	0	179.0
	B RESOLVE 25DF	0.016	LAA	9	
	C»MESOTRIONE 50W	0.156	LAA	9	
	D ATRAZINE DF	1.00	LAA	9	
	E»ABUNDIT EXTRA	1.00	LAA	12	
	F»LIQUID AMS	2.50	PMV	12	

TITLE: Pre and Post Herbicide Systems for Weed Control in RR/LL Corn. SW-1500W

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/24/13
		RATE	UNIT	
13A»	LEXAR EZ 3.7SC	3.24	LAA 9	182.1
14A»	LUMAX EZ 3.67S	2.98	LAA 9	185.9
15A»	CORVUS 2.6SC	0.114	LAA 9	177.0
	B ATRAZINE DF	1.50	LAA 9	
16A	CHECK	0.00	NA 0	93.8
17A»	VERDICT 5.57L	0.78	LAA 9	171.8
	B ATRAZINE DF	1.50	LAA 9	
18A	HARNESS XTRA	3.50	LAA 9	185.3
	B BALANCE PRO 4	0.047	LAA 9	
LSD (0.05)				19.77
STANDARD DEVIATION				9.78

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
09 = ----- / PREEMERGENCE 05/14/2013(1)  
12 = ----- / POST 06/14/2013(2)

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 %	06/14/2013	01	P	ZEAMD	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/14/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	06/14/2013	03	P	AMBTR	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/14/2013	04	P	ABUTH	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	06/25/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	06/25/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMBTR	CON %	06/25/2013	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/25/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/15/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/15/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMBTR	CON %	07/15/2013	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/15/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	10/24/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GOLDEN HARVEST 8577 RR/LL

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4 LEAVES UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED