

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	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/14/13	06/03/13	06/14/13	AME
AIR TEMPERATURE	82	65	71	F
% REL.HUMIDITY	40	44	64	
WIND DIRECTION	WEST	SOUTHEAST	EAST	
WIND SPEED	10.0	4.0	7.0	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 GOLDEN HARVEST 8 (PLANTED) 05/13/2013		---/12 4.00/6.00 21 DAP	---/14 10.0/12.0 32 DAP	IN
PEST *				
P, VELVETLEAF		---/12 0.50/2.00	---/13 1.00/3.00	IN
P, RAGWEED, GIANT		---/14 1.00/4.00	---/19 3.00/9.00	IN
P, FOXTAIL, GIANT		---/12 0.50/2.00	---/14 2.00/4.00	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
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: 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	SETFA	AMBTR	ABUTH	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/13/13	CON % 06/13/13	CON % 06/13/13	CON % 06/13/13	CON % 06/25/13	CON % 06/25/13
1A»	VERDICT 5.57L	0.696	LAA	9	0	89	53	68	0	87
2A»	VERDICT 5.57L	0.696	LAA	9	0	86	27	72	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	LUMAX EZ 3.67S	1.84	LAA	9	0	96	65	99	0	94
4A»	LUMAX EZ 3.67S	1.84	LAA	9	0	96	67	99	0	99
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
5A»	CORVUS 2.6SC	0.114	LAA	9	0	88	67	99	0	88
	B ATRAZINE DF	1.00	LAA	9						
6A»	CORVUS 2.6SC	0.114	LAA	9	0	92	79	99	0	99
	B ATRAZINE DF	1.00	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
7A	HARNESS XTRA	3.15	LAA	9	0	99	83	80	0	99
8A	HARNESS XTRA	3.15	LAA	9	0	99	87	80	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
9A»	SURESTART 4.16	1.04	LAA	9	0	99	60	33	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
10A	BREAKFREE ATZ	1.97	LAA	9	0	99	77	47	0	99
	B»REALM Q	0.097	LAA	12						
	C RESOLVE 25DF	0.0188	LAA	12						
	D»MESOTRIONE 50W	0.078	LAA	12						
	E»ISOXADIFEN-ETH	0.0094	LAA	12						
	F»ABUNDIT EXTRA	0.75	LAA	12						
	G ATRAZINE DF	0.50	LAA	12						
	H»LIQUID AMS	2.50	PMV	12						
11A»	SURESTART 4.16	1.04	LAA	9	0	99	70	47	0	99
	B»SURESTART 4.16	0.78	LAA	12						
	C»DURANGO 4AE	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A»	LEXAR EZ 3.7SC	1.85	LAA	9	0	99	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						
13A	HARNESS XTRA	2.24	LAA	9	0	99	70	68	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A	HARNESS XTRA	2.24	LAA	9	0	99	63	68	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C IMPACT 2.8SC	0.016	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»MSO	0.50	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						

TITLE: 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 % 06/13/13	CON % 06/13/13	CON % 06/13/13	CON % 06/13/13	CON % 06/25/13	CON % 06/25/13
15A»	HALEX GT 4.38L	1.97	LAA 11	4	99	91	99	0	98
	B ATRAZINE DF	0.50	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
16A	CHECK	0.00	NA 0	0	0	0	0	0	0
17A»	SURESTART 4.16	1.04	LAA 11	0	99	91	98	0	99
	B»DURANGO 4AE	0.75	LAA 11						
	C»LIQUID AMS	2.50	PMV 11						
18A»	RNDUP POWERMAX	1.125	LAA 11	4	99	94	98	0	98
	B»LAUDIS 3.5SC	0.082	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
		LSD (0.05)		0.616	9.48	17.77	12.21	0.00	7.44
		STANDARD DEVIATION		0.305	4.69	8.79	6.00	0.00	3.68

TITLE: 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	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
1A»	VERDICT 5.57L	0.696	LAA	9	40	68	0	87	27	72
2A»	VERDICT 5.57L	0.696	LAA	9	88	98	0	97	79	98
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	LUMAX EZ 3.67S	1.84	LAA	9	53	99	0	90	47	99
4A»	LUMAX EZ 3.67S	1.84	LAA	9	82	98	0	99	89	99
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
5A»	CORVUS 2.6SC	0.114	LAA	9	52	99	0	88	40	99
	B ATRAZINE DF	1.00	LAA	9						
6A»	CORVUS 2.6SC	0.114	LAA	9	90	97	0	98	94	99
	B ATRAZINE DF	1.00	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
7A	HARNESS XTRA	3.15	LAA	9	68	77	0	98	47	73
8A	HARNESS XTRA	3.15	LAA	9	92	92	0	99	84	89
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
9A»	SURESTART 4.16	1.04	LAA	9	95	97	0	99	91	92
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
10A	BREAKFREE ATZ	1.97	LAA	9	93	96	0	99	98	99
	B»REALM Q	0.097	LAA	12						
	C RESOLVE 25DF	0.0188	LAA	12						
	D»MESOTRIONE 50W	0.078	LAA	12						
	E»ISOXADIFEN-ETH	0.0094	LAA	12						
	F»ABUNDIT EXTRA	0.75	LAA	12						
	G ATRAZINE DF	0.50	LAA	12						
	H»LIQUID AMS	2.50	PMV	12						
11A»	SURESTART 4.16	1.04	LAA	9	89	95	0	99	88	97
	B»SURESTART 4.16	0.78	LAA	12						
	C»DURANGO 4AE	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A»	LEXAR EZ 3.7SC	1.85	LAA	9	93	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						
13A	HARNESS XTRA	2.24	LAA	9	83	91	0	98	70	84
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A	HARNESS XTRA	2.24	LAA	9	82	94	0	98	68	88
	B»RNDUP POWERMAX	1.125	LAA	12						
	C IMPACT 2.8SC	0.016	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»MSO	0.50	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						

TITLE: 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
15A»	HALEX GT 4.38L	1.97	LAA 11	89	99	0	98	86	99
	B ATRAZINE DF	0.50	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
16A	CHECK	0.00	NA 0	0	0	0	0	0	0
17A»	SURESTART 4.16	1.04	LAA 11	80	97	0	98	63	94
	B»DURANGO 4AE	0.75	LAA 11						
	C»LIQUID AMS	2.50	PMV 11						
18A»	RNDUP POWERMAX	1.125	LAA 11	87	94	0	90	82	87
	B»LAUDIS 3.5SC	0.082	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
			LSD (0.05)	15.85	7.68	0.00	8.23	18.77	9.23
			STANDARD DEVIATION	7.84	3.80	0.00	4.07	9.29	4.57

TITLE: 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	VERDICT 5.57L	0.696	LAA	9	139.5
2A	VERDICT 5.57L	0.696	LAA	9	182.6
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D»LIQUID AMS	2.50	PMV	12	
3A	LUMAX EZ 3.67S	1.84	LAA	9	168.7
4A	LUMAX EZ 3.67S	1.84	LAA	9	190.3
	B»TOUCHDN TOTAL	1.04	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D»LIQUID AMS	2.50	PMV	12	
5A	CORVUS 2.6SC	0.114	LAA	9	168.3
	B ATRAZINE DF	1.00	LAA	9	
6A	CORVUS 2.6SC	0.114	LAA	9	169.6
	B ATRAZINE DF	1.00	LAA	9	
	C»RNDUP POWERMAX	1.125	LAA	12	
	D»ACTIVATOR 90	0.25	PMV	12	
	E»LIQUID AMS	2.50	PMV	12	
7A	HARNESS XTRA	3.15	LAA	9	169.3
8A	HARNESS XTRA	3.15	LAA	9	163.7
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D»LIQUID AMS	2.50	PMV	12	
9A	SURESTART 4.16	1.04	LAA	9	163.4
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D»LIQUID AMS	2.50	PMV	12	
10A	BREAKFREE ATZ	1.97	LAA	9	168.0
	B»REALM Q	0.097	LAA	12	
	C RESOLVE 25DF	0.0188	LAA	12	
	D»MESOTRIONE 50W	0.078	LAA	12	
	E»ISOXADIFEN-ETH	0.0094	LAA	12	
	F»ABUNDIT EXTRA	0.75	LAA	12	
	G ATRAZINE DF	0.50	LAA	12	
	H»LIQUID AMS	2.50	PMV	12	
11A	SURESTART 4.16	1.04	LAA	9	190.7
	B»SURESTART 4.16	0.78	LAA	12	
	C»DURANGO 4AE	0.75	LAA	12	
	D»LIQUID AMS	2.50	PMV	12	
12A	LEXAR EZ 3.7SC	1.85	LAA	9	188.4
	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	
13A	HARNESS XTRA	2.24	LAA	9	176.4
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
14A	HARNESS XTRA	2.24	LAA	9	161.6
	B»RNDUP POWERMAX	1.125	LAA	12	
	C IMPACT 2.8SC	0.016	LAA	12	
	D ATRAZINE DF	0.50	LAA	12	
	E»MSO	0.50	PMV	12	
	F»LIQUID AMS	2.50	PMV	12	

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

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/24/13
		RATE	UNIT TM	
15A»	HALEX GT 4.38L	1.97	LAA 11	161.6
	B ATRAZINE DF	0.50	LAA 11	
	C»ACTIVATOR 90	0.25	PMV 11	
	D»LIQUID AMS	2.50	PMV 11	
16A	CHECK	0.00	NA 0	102.9
17A»	SURESTART 4.16	1.04	LAA 11	183.0
	B»DURANGO 4AE	0.75	LAA 11	
	C»LIQUID AMS	2.50	PMV 11	
18A»	RNDUP POWERMAX	1.125	LAA 11	185.3
	B»LAUDIS 3.5SC	0.082	LAA 11	
	C ATRAZINE DF	0.50	LAA 11	
	D»LIQUID AMS	2.50	PMV 11	
LSD (0.05)				39.44
STANDARD DEVIATION				19.52

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/14/2013(1)
 11 = ----- / EPOST 06/03/2013(2)
 12 = ----- / POST 06/14/2013(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 %	06/25/2013	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