

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 6.0
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 29 FEET
 PLOT AREA: 217.5 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/23/14	06/16/14	AME
AIR TEMPERATURE	68	80	F
% REL.HUMIDITY	42	50	
WIND DIRECTION	NORTHEAST	SOUTHWEST	
WIND SPEED	5.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	---	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	---	
NOZZLE DESCRIPTION	AI110025	AIXR11002	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE	50	50	
SCREEN SZ DESC	MES	MES	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	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, SOYBEAN		---/14	
NK S28-A2		5.00/7.00	IN
(PLANTED) 05/22/2014		25 DAP	
PEST *			
P, VELVETLEAF		---/15	
		2.00/4.00	IN
P, RAGWEED, GIANT		---/18	
		4.00/8.00	IN
P, LAMBSQUARTERS, C		---/18	
		1.00/4.00	IN
P, FOXTAIL, GIANT		---/15	
		3.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
 15 = 5 LEAVES UNFOLDED

* STAGE CODE

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in RR Soybean. SW-1500E
CREATED: 05/14/2014 **REVISED:** 11/05/2014 **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			GLXMA	SETFA	AMBTR	ABUTH	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 06/13/14	CON % 06/13/14	CON % 06/13/14	CON % 06/13/14	CON % 06/13/14	CON % 06/24/14
1A	AUTHORITY FIRS	0.28	LAA	9	0	47	43	72	92	10
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»ANTHEM 2.15SE	0.10	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
2A»	FIERCE 76WG	0.14	LAA	9	13	73	37	99	95	5
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»WARRANT 3L	1.125	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	PREFIX 5.32SL	1.33	LAA	9	6	70	20	47	47	10
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»ANTHEM 2.15SE	0.10	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	0	77	23	47	43	0
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	BOUNDARY 6.5EC	1.42	LAA	9	0	86	30	53	43	13
	B»FLEXSTAR GT 3.	1.41	LAA	12						
	C»MSO	1.00	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
6A»	AUTHORITY XL 7	0.175	LAA	9	0	60	27	50	82	0
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A»	VALOR XLT 40WG	3.50	OMA	0	14	78	50	94	85	0
	B CLASSIC 25WG	0.023	LAA	9						
	C»VALOR SX 51WDG	0.065	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
8A»	SONIC 70DF	0.131	LAA	9	0	47	30	53	87	0
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
9A»	SONIC 70DF	0.197	LAA	9	0	53	33	70	88	0
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	SONIC 70DF	0.263	LAA	9	0	53	43	73	82	0
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
11A»	SONIC 70DF	0.131	LAA	9	0	40	23	67	88	0
	B»DURANGO 4AE	0.75	LAA	12						
	C FIRSTRATE 84WG	0.016	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A»	SURVEIL CO-PAC	2.40	OMA	0	11	67	50	80	80	0
	B»VALOR SX 51WDG	0.064	LAA	9						
	C FIRSTRATE 84WG	0.021	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
13A»	SURVEIL CO-PAC	3.60	OMA	0	20	82	78	98	96	0
	B»VALOR SX 51WDG	0.096	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
14A»	VERDICT 5.57L	0.22	LAA	9	0	80	17	43	43	0
	B»ZIDUA 85WG	0.106	LAA	9						
	C»RNDUP POWERMAX	1.05	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						

TITLE: Weed Control Systems in RR Soybean. SW-1500E

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMBTR	ABUTH	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 06/13/14	CON % 06/13/14	CON % 06/13/14	CON % 06/13/14	CON % 06/13/14	CON % 06/24/14
15A	CHECK	0.00	NA	0	0	0	0	0	0	0
16A	AUTHORITY XL 7	0.175	LAA	9	0	60	20	47	91	4
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»WARRANT 3L	1.125	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
17A	FIERCE XLT	3.75	OMA	0	10	68	37	91	91	0
	B»V-10206 85 WG	0.073	LAA	9						
	C CLASSIC 25WG	0.016	LAA	9						
	D»VALOR SX 51WDG	0.058	LAA	9						
	E»RNDUP POWERMAX	1.05	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
18A	OPTILL PRO	0.00	LAA	0	0	82	33	43	57	0
	B»OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			1.38	16.27	13.90	17.24	13.63	0.799
		STANDARD DEVIATION			0.684	8.05	6.88	8.53	6.75	0.395

TITLE: Weed Control Systems in RR Soybean. SW-1500E

CREATED: 05/14/2014 REVISED: 11/05/2014

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			SETFA	AMBTR	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/24/14	CON % 06/24/14	CON % 06/24/14	CON % 06/24/14	CON % 07/16/14	CON % 07/16/14
1A	AUTHORITY FIRS	0.28	LAA	9	98	86	99	99	3	98
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»ANTHEM 2.15SE	0.10	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
2A»	FIERCE 76WG	0.14	LAA	9	99	89	99	98	0	98
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»WARRANT 3L	1.125	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	PREFIX 5.32SL	1.33	LAA	9	99	82	98	98	3	98
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»ANTHEM 2.15SE	0.10	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	99	86	97	95	0	96
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	BOUNDARY 6.5EC	1.42	LAA	9	99	98	97	97	6	96
	B»FLEXSTAR GT 3.	1.41	LAA	12						
	C»MSO	1.00	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
6A»	AUTHORITY XL 7	0.175	LAA	9	98	83	97	98	0	94
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A»	VALOR XLT 40WG	3.50	OMA	0	98	91	98	99	0	96
	B CLASSIC 25WG	0.023	LAA	9						
	C»VALOR SX 51WDG	0.065	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
8A»	SONIC 70DF	0.131	LAA	9	98	83	97	97	0	92
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
9A»	SONIC 70DF	0.197	LAA	9	98	82	97	98	0	95
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	SONIC 70DF	0.263	LAA	9	98	86	97	98	0	93
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
11A»	SONIC 70DF	0.131	LAA	9	97	83	97	95	0	91
	B»DURANGO 4AE	0.75	LAA	12						
	C FIRSTRATE 84WG	0.016	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A»	SURVEIL CO-PAC	2.40	OMA	0	98	83	98	96	0	93
	B»VALOR SX 51WDG	0.064	LAA	9						
	C FIRSTRATE 84WG	0.021	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
13A»	SURVEIL CO-PAC	3.60	OMA	0	99	86	99	98	0	98
	B»VALOR SX 51WDG	0.096	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
14A»	VERDICT 5.57L	0.22	LAA	9	99	83	97	96	0	98
	B»ZIDUA 85WG	0.106	LAA	9						
	C»RNDUP POWERMAX	1.05	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						

TITLE: Weed Control Systems in RR Soybean. SW-1500E

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBTR	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/24/14	CON % 06/24/14	CON % 06/24/14	CON % 06/24/14	CON % 07/16/14	CON % 07/16/14
15A	CHECK	0.00	NA	0	0	0	0	0	0	0
16A	AUTHORITY XL 7	0.175	LAA	9	98	87	98	98	0	96
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»WARRANT 3L	1.125	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
17A	FIERCE XLT	3.75	OMA	0	99	88	99	98	0	96
	B»V-10206 85 WG	0.073	LAA	9						
	C CLASSIC 25WG	0.016	LAA	9						
	D»VALOR SX 51WDG	0.058	LAA	9						
	E»RNDUP POWERMAX	1.05	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
18A	OPTILL PRO	0.00	LAA	0	99	86	98	95	0	98
	B»OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			1.24	2.71	1.00	2.26	1.68	2.86
		STANDARD DEVIATION			0.615	1.34	0.506	1.12	0.832	1.42

TITLE: Weed Control Systems in RR Soybean. SW-1500E
CREATED: 05/14/2014 **REVISED:** 11/05/2014 **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 % 07/16/14	ABUTH CON % 07/16/14	CHEAL CON % 07/16/14	YIELD BU/A 10/24/14
		RATE	UNIT	TM				
1A	AUTHORITY FIRS	0.28	LAA	9	72	99	99	49.5
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»ANTHEM 2.15SE	0.10	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
2A»	FIERCE 76WG	0.14	LAA	9	72	99	98	51.0
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»WARRANT 3L	1.125	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
3A»	PREFIX 5.32SL	1.33	LAA	9	77	98	95	55.5
	B»TOUCHDN TOTAL	1.04	LAA	12				
	C»ANTHEM 2.15SE	0.10	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
4A	BOUNDARY 6.5EC	1.42	LAA	9	72	95	95	54.3
	B»TOUCHDN TOTAL	1.04	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
5A	BOUNDARY 6.5EC	1.42	LAA	9	96	93	97	54.2
	B»FLEXSTAR GT 3.	1.41	LAA	12				
	C»MSO	1.00	PMV	12				
	D»LIQUID AMS	2.50	PMV	12				
6A»	AUTHORITY XL 7	0.175	LAA	9	76	96	99	55.6
	B»RNDUP POWERMAX	1.05	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
7A»	VALOR XLT 40WG	3.50	OMA	0	83	98	99	58.1
	B CLASSIC 25WG	0.023	LAA	9				
	C»VALOR SX 51WDG	0.065	LAA	9				
	D»RNDUP POWERMAX	1.05	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
8A»	SONIC 70DF	0.131	LAA	9	80	97	98	58.7
	B»DURANGO 4AE	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
9A»	SONIC 70DF	0.197	LAA	9	78	98	99	57.3
	B»DURANGO 4AE	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
10A»	SONIC 70DF	0.263	LAA	9	88	98	98	60.2
	B»DURANGO 4AE	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
11A»	SONIC 70DF	0.131	LAA	9	80	98	96	63.4
	B»DURANGO 4AE	0.75	LAA	12				
	C FIRSTRATE 84WG	0.016	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
12A»	SURVEIL CO-PAC	2.40	OMA	0	81	98	98	60.5
	B»VALOR SX 51WDG	0.064	LAA	9				
	C FIRSTRATE 84WG	0.021	LAA	9				
	D»DURANGO 4AE	0.75	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
13A»	SURVEIL CO-PAC	3.60	OMA	0	92	98	98	56.9
	B»VALOR SX 51WDG	0.096	LAA	9				
	C FIRSTRATE 84WG	0.032	LAA	9				
	D»DURANGO 4AE	0.75	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
14A»	VERDICT 5.57L	0.22	LAA	9	82	98	95	53.8
	B»ZIDUA 85WG	0.106	LAA	9				
	C»RNDUP POWERMAX	1.05	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				

TITLE: Weed Control Systems in RR Soybean. SW-1500E

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBTR	ABUTH	CHEAL	YIELD
		RATE	UNIT	TM	CON % 07/16/14	CON % 07/16/14	CON % 07/16/14	BU/A 10/24/14
15A	CHECK	0.00	NA	0	0	0	0	22.6
16A	»AUTHORITY XL 7	0.175	LAA	9	76	94	99	51.1
	B»RNDUP POWERMAX	1.05	LAA	12				
	C»WARRANT 3L	1.125	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
17A	»FIERCE XLT	3.75	OMA	0	77	99	98	52.4
	B»V-10206 85 WG	0.073	LAA	9				
	C CLASSIC 25WG	0.016	LAA	9				
	D»VALOR SX 51WDG	0.058	LAA	9				
	E»RNDUP POWERMAX	1.05	LAA	12				
	F»LIQUID AMS	2.50	PMV	12				
18A	»OPTILL PRO	0.00	LAA	0	88	97	98	53.8
	B»OPTILL 68WG	0.085	LAA	9				
	C OUTLOOK 6EC	0.47	LAA	9				
	D»RNDUP POWERMAX	1.05	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
LSD (0.05)					10.09	2.38	3.13	7.39
STANDARD DEVIATION					5.00	1.18	1.55	3.66

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/23/2014(1)

12 = ----- / POST 06/16/2014(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/13/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/13/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	06/13/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/13/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/13/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/24/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/24/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	CON %	06/24/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/24/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/24/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/16/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/16/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBTR	CON %	07/16/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/16/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/16/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/24/2014	01	P	GLXMA		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

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

01 = NK S28-A2