

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	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/23/14	06/13/14	AME
AIR TEMPERATURE	68	74	F
% REL.HUMIDITY	42	25	
WIND DIRECTION	NORTHEAST	NORTHWEST	
WIND SPEED	5.0	6.0	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	---	---	
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		---/13	
NK S28-A2		4.00/6.00	IN
(PLANTED) 05/22/2014		22 DAP	
PEST *			
P, VELVETLEAF		---/13	
		1.00/3.00	IN
P, RAGWEED, GIANT		---/16	
		3.00/6.00	IN
P, LAMBSQUARTERS, C		---/18	
		1.00/3.00	IN
P, FOXTAIL, GIANT		---/14	
		2.00/5.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

14 = 4 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Marvel Treatments for Weed Control Systems in RR Soybean. SW-1500E
CREATED: 05/14/2014 **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			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 % 06/19/14
1A»	AUTHORITY XL 7	0.175	LAA	9	0	33	23	67	80	11
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
2A»	VALOR XLT 40WG	3.00	OMA	0	7	43	37	78	86	17
B	CLASSIC 25WG	0.019	LAA	9						
C»	VALOR SX 51WDG	0.056	LAA	9						
D	COBRA 2EC	0.156	LAA	11						
E»	RNDUP POWERMAX	1.05	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
3A	AUTHORITY FIRS	0.28	LAA	9	0	40	30	67	93	15
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
4A»	AUTHOR. ELITE	1.37	LAA	9	0	80	27	37	91	17
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
5A»	AUTHOR. ELITE	1.37	LAA	9	0	78	20	50	99	20
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A	BOUNDARY 6.5EC	1.30	LAA	11	C	C	C	C	C	24
B	FLEXSTAR 1.88	0.235	LAA	11						
C»	TOUCHDN TOTAL	1.05	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	AUTHOR. MAXX 6	0.206	LAA	9	0	67	20	47	99	35
B»	AUTHOR. ASSIST	0.125	LAA	11						
C»	MARVEL SC 3L	0.17	LAA	11						
D	SELECT (2EC)	0.156	LAA	11						
E»	COC	1.00	PMV	11						
F»	LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	VERDICT 5.57L	0.22	LAA	9	0	75	27	47	70	3
B»	ZIDUA 85WG	0.106	LAA	9						
C»	RNDUP POWERMAX	1.05	LAA	11						
D	FIRSTRATE 84WG	0.032	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				1.67	16.50	8.07	18.55	14.83	1.24
	STANDARD DEVIATION				0.786	7.78	3.81	8.75	7.00	0.583

TITLE: Marvel Treatments for Weed Control Systems in RR Soybean. SW-1500E
CREATED: 05/14/2014 **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			SETFA	AMBTR	ABUTH	CHEAL	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/19/14	CON % 06/19/14	CON % 06/19/14	CON % 06/19/14	CON % 06/27/14	CON % 06/27/14
1A»	AUTHORITY XL 7	0.175	LAA	9	96	91	98	98	8	96
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
2A»	VALOR XLT 40WG	3.00	OMA	0	97	95	99	99	11	97
B	CLASSIC 25WG	0.019	LAA	9						
C»	VALOR SX 51WDG	0.056	LAA	9						
D	COBRA 2EC	0.156	LAA	11						
E»	RNDUP POWERMAX	1.05	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
3A	AUTHORITY FIRS	0.28	LAA	9	98	92	99	99	8	97
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
4A»	AUTHOR. ELITE	1.37	LAA	9	96	96	99	99	13	98
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
5A»	AUTHOR. ELITE	1.37	LAA	9	97	97	99	99	14	97
B»	MARVEL SC 3L	0.17	LAA	11						
C»	RNDUP POWERMAX	1.05	LAA	11						
D»	MSO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A	BOUNDARY 6.5EC	1.30	LAA	11	91	98	98	97	19	94
B	FLEXSTAR 1.88	0.235	LAA	11						
C»	TOUCHDN TOTAL	1.05	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	AUTHOR. MAXX 6	0.206	LAA	9	95	94	99	99	27	91
B»	AUTHOR. ASSIST	0.125	LAA	11						
C»	MARVEL SC 3L	0.17	LAA	11						
D	SELECT (2EC)	0.156	LAA	11						
E»	COC	1.00	PMV	11						
F»	LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	VERDICT 5.57L	0.22	LAA	9	94	85	95	97	0	99
B»	ZIDUA 85WG	0.106	LAA	9						
C»	RNDUP POWERMAX	1.05	LAA	11						
D	FIRSTRATE 84WG	0.032	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				1.71	1.94	1.48	1.33	2.73	1.79
	STANDARD DEVIATION				0.809	0.916	0.698	0.629	1.29	0.844

TITLE: Marvel Treatments for Weed Control Systems in RR Soybean. SW-1500E
CREATED: 05/14/2014 **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	ABUTH	CHEAL	GLXMA	SETFA	AMBTR
		RATE	UNIT	TM	CON % 06/27/14	CON % 06/27/14	CON % 06/27/14	CON % 07/16/14	CON % 07/16/14	CON % 07/16/14
1A	AUTHORITY XL 7	0.175	LAA	9	85	94	99	3	91	70
B	MARVEL SC 3L	0.17	LAA	11						
C	RNDUP POWERMAX	1.05	LAA	11						
D	LIQUID AMS	2.50	PMV	11						
2A	VALOR XLT 40WG	3.00	OMA	0	92	97	98	9	92	83
B	CLASSIC 25WG	0.019	LAA	9						
C	VALOR SX 51WDG	0.056	LAA	9						
D	COBRA 2EC	0.156	LAA	11						
E	RNDUP POWERMAX	1.05	LAA	11						
F	LIQUID AMS	2.50	PMV	11						
3A	AUTHORITY FIRS	0.28	LAA	9	86	98	99	4	94	76
B	MARVEL SC 3L	0.17	LAA	11						
C	RNDUP POWERMAX	1.05	LAA	11						
D	LIQUID AMS	2.50	PMV	11						
4A	AUTHOR. ELITE	1.37	LAA	9	93	95	99	7	93	88
B	MARVEL SC 3L	0.17	LAA	11						
C	RNDUP POWERMAX	1.05	LAA	11						
D	COC	1.00	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
5A	AUTHOR. ELITE	1.37	LAA	9	94	96	99	10	94	85
B	MARVEL SC 3L	0.17	LAA	11						
C	RNDUP POWERMAX	1.05	LAA	11						
D	MISO	1.00	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
6A	BOUNDARY 6.5EC	1.30	LAA	11	93	94	97	19	84	81
B	FLEXSTAR 1.88	0.235	LAA	11						
C	TOUCHDN TOTAL	1.05	LAA	11						
D	LIQUID AMS	2.50	PMV	11						
7A	AUTHOR. MAXX 6	0.206	LAA	9	82	98	99	27	83	63
B	AUTHOR. ASSIST	0.125	LAA	11						
C	MARVEL SC 3L	0.17	LAA	11						
D	SELECT (2EC)	0.156	LAA	11						
E	COC	1.00	PMV	11						
F	LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	VERDICT 5.57L	0.22	LAA	9	91	98	99	2	96	95
B	ZIDUA 85WG	0.106	LAA	9						
C	RNDUP POWERMAX	1.05	LAA	11						
D	FIRSTRATE 84WG	0.032	LAA	11						
E	LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				5.89	3.56	1.17	3.00	5.32	12.39
	STANDARD DEVIATION				2.78	1.68	0.55	1.40	2.51	5.84

TITLE: Marvel Treatments for Weed Control Systems in RR Soybean. SW-1500E
CREATED: 05/14/2014 **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	TREATMENT	DOSAGE		ABUTH	CHEAL
NUM	COMPONENT	RATE	UNIT TM	CON % 07/16/14	CON % 07/16/14
1A	AUTHORITY XL 7	0.175	LAA 9	89	99
B	MARVEL SC 3L	0.17	LAA 11		
C	RNDUP POWERMAX	1.05	LAA 11		
D	LIQUID AMS	2.50	PMV 11		
2A	VALOR XLT 40WG	3.00	OMA 0	96	97
B	CLASSIC 25WG	0.019	LAA 9		
C	VALOR SX 51WDG	0.056	LAA 9		
D	COBRA 2EC	0.156	LAA 11		
E	RNDUP POWERMAX	1.05	LAA 11		
F	LIQUID AMS	2.50	PMV 11		
3A	AUTHORITY FIRS	0.28	LAA 9	98	99
B	MARVEL SC 3L	0.17	LAA 11		
C	RNDUP POWERMAX	1.05	LAA 11		
D	LIQUID AMS	2.50	PMV 11		
4A	AUTHOR. ELITE	1.37	LAA 9	82	99
B	MARVEL SC 3L	0.17	LAA 11		
C	RNDUP POWERMAX	1.05	LAA 11		
D	COC	1.00	PMV 11		
E	LIQUID AMS	2.50	PMV 11		
5A	AUTHOR. ELITE	1.37	LAA 9	90	99
B	MARVEL SC 3L	0.17	LAA 11		
C	RNDUP POWERMAX	1.05	LAA 11		
D	MISO	1.00	PMV 11		
E	LIQUID AMS	2.50	PMV 11		
6A	BOUNDARY 6.5EC	1.30	LAA 11	82	96
B	FLEXSTAR 1.88	0.235	LAA 11		
C	TOUCHDN TOTAL	1.05	LAA 11		
D	LIQUID AMS	2.50	PMV 11		
7A	AUTHOR. MAXX 6	0.206	LAA 9	98	99
B	AUTHOR. ASSIST	0.125	LAA 11		
C	MARVEL SC 3L	0.17	LAA 11		
D	SELECT (2EC)	0.156	LAA 11		
E	COC	1.00	PMV 11		
F	LIQUID AMS	2.50	PMV 11		
8A	CHECK	0.00	NA 0	0	0
9A	VERDICT 5.57L	0.22	LAA 9	98	99
B	ZIDUA 85WG	0.106	LAA 9		
C	RNDUP POWERMAX	1.05	LAA 11		
D	FIRSTRATE 84WG	0.032	LAA 11		
E	LIQUID AMS	2.50	PMV 11		
LSD (0.05)				8.17	1.33
STANDARD DEVIATION				3.85	0.629

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = ----- / UNTREATED TIMING

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

11 = ----- / EPOST 06/13/2014(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	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/13/2014	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	06/13/2014	03	P	AMBTR	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
004	ABUTH	CON %	06/13/2014	04	P	ABUTH	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/13/2014	05	P	CHEAL	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/19/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/19/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR	CON %	06/19/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/19/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/19/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	06/27/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/27/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBTR	CON %	06/27/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	06/27/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/27/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	GLXMA	CON %	07/16/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	07/16/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMBTR	CON %	07/16/2014	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/16/2014	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	CHEAL	CON %	07/16/2014	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK S28-A2

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

14 = 4 LEAVES UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

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