

SOIL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.6
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	06	10	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/13/15	06/06/15	AME
AIR TEMPERATURE	57	73	F
% REL.HUMIDITY	44	52	
WIND DIRECTION	NORTHEAST	EAST	
WIND SPEED	6.0	5.0	M/H
CLOUD COVER	CLEAR-0%	PAR.CLOUD	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
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	TO BE SEL	TO BE SEL	
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	
HERB TOLERANT VA		4.00/4.00	IN
(PLANTED) 05/22/2015		15 DAP	
PEST *			
P, LAMBSQUARTERS, C	---/19 2.00/8.00	---/19 4.00/10.0	IN
P, HORSEWEED / MARE	---/19 2.00/8.00	---/19 4.00/14.0	IN
P, MORNINGGLORY, TA	---/12 1.00/1.00	---/16 1.00/3.00	IN
P, FOXTAIL, GIANT	---/13 1.00/2.00	---/14 2.00/4.00	IN

* TIMING CODES

06 = --- / EPP 7 DBP
 10 = --- / VEPOST

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED

*** STAGE CODE**

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
14 = 4 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Marestail Control in Roundup-Ready 2 Extend System. 261-68
CREATED: 04/14/2015 **REVISED:** 09/17/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	GLXMA	ERICA	SETFA	CHEAL	PHBPU	GLXMA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/04/15	06/04/15	06/04/15	06/20/15
1A»	WEATHERMAX 4.5	1.00	LAA	6	0	98	97	92
B»	WEATHERMAX 4.5	1.00	LAA	10				91
C»	INTERLOCK	1.00	PMV	10				0
2A»	MON 76832 3AE	1.50	LAA	6	0	99	99	99
B»	WARRANT 3L	1.125	LAA	6				98
C»	INTERLOCK	1.00	PMV	6				0
3A»	WEATHERMAX 4.5	1.00	LAA	6	0	99	99	95
B»	ROWEL FX 40.3W	0.00	LAA	6				95
C	VALOR 51WG	0.084	LAA	6				0
D	CLASSIC 25WG	0.029	LAA	6				
E»	INTERLOCK	1.00	PMV	6				
4A»	MON 76832 3AE	1.50	LAA	6	0	99	99	99
B»	ROWEL FX 40.3W	0.00	LAA	6				99
C	VALOR 51WG	0.084	LAA	6				0
D	CLASSIC 25WG	0.029	LAA	6				
E»	INTERLOCK	1.00	PMV	6				
5A»	MON 76832 3AE	1.50	LAA	6	0	99	99	99
B»	ROWEL FX 40.3W	0.00	LAA	6				99
C	VALOR 51WG	0.084	LAA	6				0
D	CLASSIC 25WG	0.029	LAA	6				
E»	WARRANT 3L	1.125	LAA	6				
F»	INTERLOCK	1.00	PMV	6				
6A»	WEATHERMAX 4.5	1.00	LAA	6	0	96	99	91
B»	VERDICT 5.57L	0.22	LAA	6				99
C»	INTERLOCK	1.00	PMV	6				0
7A»	WEATHERMAX 4.5	1.00	LAA	6	0	99	99	95
B»	MON-119096 2.9	0.50	LAA	6				99
C»	INTERLOCK	1.00	PMV	6				0
8A»	WEATHERMAX 4.5	1.00	LAA	6	0	99	99	99
B»	MON-119096 2.9	1.00	LAA	6				99
C»	INTERLOCK	1.00	PMV	6				0
9A»	WEATHERMAX 4.5	1.00	LAA	6	0	99	96	99
B»	MON-119096 2.9	0.50	LAA	6				98
C»	WEATHERMAX 4.5	1.00	LAA	10				0
D»	MON-119096 2.9	0.50	LAA	10				
E»	INTERLOCK	1.00	PMV	10				
10A»	MON 76832 3AE	1.50	LAA	6	0	99	98	99
B»	MON 76832 3AE	1.50	LAA	10				98
C»	INTERLOCK	1.00	PMV	10				0
11A»	MON 76832 3AE	1.50	LAA	6	0	99	97	99
B»	INTERLOCK	1.00	PMV	6				99
12A»	SHARPEN 2.85L	0.022	LAA	6	0	97	60	65
B»	INTERLOCK	1.00	PMV	6				82
C»	MISO	1.00	PMV	6				0
LSD (0.05)					0.00	2.87	5.09	7.42
STANDARD DEVIATION					0.00	1.38	2.45	3.58
								3.33
								1.61
								0.00
								0.00

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ERICA	SETFA	CHEAL	PHBPU	GLXMA	ERICA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/20/15	06/20/15	06/20/15	06/20/15	07/06/15	07/06/15
1A»	WEATHERMAX 4.5	1.00	LAA 6	98	92	99	90	0	99
B»	WEATHERMAX 4.5	1.00	LAA 10						
C»	INTERLOCK	1.00	PMV 10						
2A»	MON 76832 3AE	1.50	LAA 6	99	94	99	86	0	99
B»	WARRANT 3L	1.125	LAA 6						
C»	INTERLOCK	1.00	PMV 6						
3A»	WEATHERMAX 4.5	1.00	LAA 6	98	96	96	88	0	94
B»	ROWEL FX 40.3W	0.00	LAA 6						
C	VALOR 51WG	0.084	LAA 6						
D	CLASSIC 25WG	0.029	LAA 6						
E»	INTERLOCK	1.00	PMV 6						
4A»	MON 76832 3AE	1.50	LAA 6	98	95	99	87	0	98
B»	ROWEL FX 40.3W	0.00	LAA 6						
C	VALOR 51WG	0.084	LAA 6						
D	CLASSIC 25WG	0.029	LAA 6						
E»	INTERLOCK	1.00	PMV 6						
5A»	MON 76832 3AE	1.50	LAA 6	99	95	99	90	0	99
B»	ROWEL FX 40.3W	0.00	LAA 6						
C	VALOR 51WG	0.084	LAA 6						
D	CLASSIC 25WG	0.029	LAA 6						
E»	WARRANT 3L	1.125	LAA 6						
F»	INTERLOCK	1.00	PMV 6						
6A»	WEATHERMAX 4.5	1.00	LAA 6	84	80	84	82	0	73
B»	VERDICT 5.57L	0.22	LAA 6						
C»	INTERLOCK	1.00	PMV 6						
7A»	WEATHERMAX 4.5	1.00	LAA 6	96	69	99	75	0	98
B»	MON-119096 2.9	0.50	LAA 6						
C»	INTERLOCK	1.00	PMV 6						
8A»	WEATHERMAX 4.5	1.00	LAA 6	99	87	99	87	0	99
B»	MON-119096 2.9	1.00	LAA 6						
C»	INTERLOCK	1.00	PMV 6						
9A»	WEATHERMAX 4.5	1.00	LAA 6	99	92	99	78	0	99
B»	MON-119096 2.9	0.50	LAA 6						
C»	WEATHERMAX 4.5	1.00	LAA 10						
D»	MON-119096 2.9	0.50	LAA 10						
E»	INTERLOCK	1.00	PMV 10						
10A»	MON 76832 3AE	1.50	LAA 6	99	96	99	91	0	99
B»	MON 76832 3AE	1.50	LAA 10						
C»	INTERLOCK	1.00	PMV 10						
11A»	MON 76832 3AE	1.50	LAA 6	88	73	98	73	0	93
B»	INTERLOCK	1.00	PMV 6						
12A»	SHARPEN 2.85L	0.022	LAA 6	95	58	73	72	0	75
B»	INTERLOCK	1.00	PMV 6						
C»	MISO	1.00	PMV 6						
LSD (0.05)				7.59	15.89	12.28	12.91	0.00	9.50
STANDARD DEVIATION				3.66	7.66	5.92	6.23	0.00	4.58

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	SETFA	CHEAL	PHBPU
NUM	COMPONENT	RATE	CON %	CON %	CON %
		UNIT	TM	07/06/15	07/06/15
1A»	WEATHERMAX 4.5	1.00	LAA 6	89	98
B»	WEATHERMAX 4.5	1.00	LAA 10		88
C»	INTERLOCK	1.00	PMV 10		
2A»	MON 76832 3AE	1.50	LAA 6	86	99
B»	WARRANT 3L	1.125	LAA 6		79
C»	INTERLOCK	1.00	PMV 6		
3A»	WEATHERMAX 4.5	1.00	LAA 6	95	98
B»	ROWEL FX 40.3W	0.00	LAA 6		92
C	VALOR 51WG	0.084	LAA 6		
D	CLASSIC 25WG	0.029	LAA 6		
E»	INTERLOCK	1.00	PMV 6		
4A»	MON 76832 3AE	1.50	LAA 6	96	99
B»	ROWEL FX 40.3W	0.00	LAA 6		95
C	VALOR 51WG	0.084	LAA 6		
D	CLASSIC 25WG	0.029	LAA 6		
E»	INTERLOCK	1.00	PMV 6		
5A»	MON 76832 3AE	1.50	LAA 6	93	99
B»	ROWEL FX 40.3W	0.00	LAA 6		95
C	VALOR 51WG	0.084	LAA 6		
D	CLASSIC 25WG	0.029	LAA 6		
E»	WARRANT 3L	1.125	LAA 6		
F»	INTERLOCK	1.00	PMV 6		
6A»	WEATHERMAX 4.5	1.00	LAA 6	63	62
B»	VERDICT 5.57L	0.22	LAA 6		73
C»	INTERLOCK	1.00	PMV 6		
7A»	WEATHERMAX 4.5	1.00	LAA 6	63	90
B»	MON-119096 2.9	0.50	LAA 6		77
C»	INTERLOCK	1.00	PMV 6		
8A»	WEATHERMAX 4.5	1.00	LAA 6	74	99
B»	MON-119096 2.9	1.00	LAA 6		79
C»	INTERLOCK	1.00	PMV 6		
9A»	WEATHERMAX 4.5	1.00	LAA 6	78	99
B»	MON-119096 2.9	0.50	LAA 6		78
C»	WEATHERMAX 4.5	1.00	LAA 10		
D»	MON-119096 2.9	0.50	LAA 10		
E»	INTERLOCK	1.00	PMV 10		
10A»	MON 76832 3AE	1.50	LAA 6	83	99
B»	MON 76832 3AE	1.50	LAA 10		88
C»	INTERLOCK	1.00	PMV 10		
11A»	MON 76832 3AE	1.50	LAA 6	67	96
B»	INTERLOCK	1.00	PMV 6		77
12A»	SHARPEN 2.85L	0.022	LAA 6	57	70
B»	INTERLOCK	1.00	PMV 6		73
C»	MISO	1.00	PMV 6		
LSD (0.05)				16.34	14.73
STANDARD DEVIATION				7.88	7.10
					13.58
					6.55

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

06 = --- / EPP 7 DBP 05/13/2015(1)
 10 = --- / VEPOST 06/06/2015(2)

TITLE: Marestail Control in Roundup-Ready 2 Extend System. 261-68

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 %	06/04/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ERICA	CON %	06/04/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/04/2015	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/04/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/04/2015	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/20/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ERICA	CON %	06/20/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/20/2015	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/20/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/20/2015	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/06/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ERICA	CON %	07/06/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	07/06/2015	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	07/06/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/06/2015	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = HERB TOLERANT VARIETY