General Trial Information

Study Director: T. L. Trower Title: Sr. Outreach Specialist

Investigator: V. M. Davis
Discipline: H herbicide
Initiation Date: May-5-2011

Trial Location

City: Arlington
State/Prov.: WI
Postal Code: 53911

Latitude of LL Corner °: 43.18084 N
Longitude of LL Corner °: 89.20425 W
Altitude of LL Corner, Unit: 1143.00 FT

Country: USA

Crop Description

Crop 1: ZEAMD Zea mays indentata Dent corn

Variety: Pioneer P99 10 AM1

BBCH Scale: BCOR Planting Date: May-3-2011

Planting Method: SEEDED seeded

Depth, Unit: 1.5 IN

Row Spacing, Unit: 30 IN

Seed Bed: SMOOTH smooth

Harvested Width, Unit: 5 FT Harvested Length, Unit: 25 FT

Pest Description

Pest 1 Type: W Code: SETFA Setaria faberi

Common Name: Giant foxtail

Pest 2 Type: W Code: CHEAL Chenopodium album

Common Name: Common lambsquarters

Pest 3 Type: W Code: ABUTH Abutilon theophrasti

Common Name: Velvetleaf

Pest 4 Type: W Code: AMBEL Ambrosia artemisiifolia

Common Name: Common ragweed

Site and Design

Plot Width, Unit: 10 FT Site Type: FIELD field

Plot Length, Unit: 25 FT Tillage Type: CONTIL conventional-till

Plot Area, Unit: 250 FT2 Study Design: RACOBL Randomized Complete Block (RCB)

Replications: 4

Soil Description

Description Name: Plano Silt Loam

% Sand: 7 % OM: 3.9 Texture: SIL silt loam
% Silt: 70 pH: 5.9 Soil Name: Plano
% Clay: 23 Fert. Level: E excellent

Application Description

	Α	В		
Application Date:	May-5-2011	Jun-9-2011		
Time of Day:	6:15P	11:00 AM		
Application Method:	Broadcast	Broadcast		
Application Timing:	Pre	Post		
Application Placement:	Soil	Foliage		
Applied By:	T. Trower	T. Trower		
Air Temperature, Unit:	54 F	58 F		
% Relative Humidity:	85	83		
Wind Velocity, Unit:	4.5 MPH	7 MPH		
Wind Direction:	SSW	W		
Dew Presence (Y/N):	N	N		
Soil Temperature, Unit:	49 F	60 F		
Soil Moisture:	DRY/MST	Mst/mst		
% Cloud Cover:	100	100		

Crop Stage At Each Application

	Α	В
Crop 1 Code, BBCH Scale:	ZEAMD BCOR	ZEAMD BCOR
Stage Scale Used:	Pre	BBCH
Stage Majority, Percent:		V4
Height, Unit:		9 IN
Height Minimum, Maximum:		8 10

Pest Stage At Each Application

	Α		i i	3
Pest 1 Code, Type, Scale:	SETFA	W	SETF	A W
Stage Majority, Percent:	Pre			
Stage Minimum, Percent:			4 lvs	
Stage Maximum, Percent:			6 lvs	
Height, Unit:			5	IN
Height Minimum, Maximum:			4	6
Density, Unit:			20	FT2
Pest 2 Code, Type, Scale:	CHEAL	W	CHEA	L W
Stage Majority, Percent:	Pre			
Stage Minimum, Percent:			4 lvs	
Height, Unit:			2	IN
Height Minimum, Maximum:			2	3
Density, Unit:			2	FT2
Pest 3 Code, Type, Scale:	ABUTH	W	ABUT	H W
Stage Majority, Percent:	Pre		4 lvs	
Height, Unit:			3	IN
Height Minimum, Maximum:			2	4
Density, Unit:			1	FT2
Pest 4 Code, Type, Scale:	AMBEL	W	AMBE	L W
Stage Majority, Percent:	Pre			

Application Equipment

Application Equipment				
		Α		В
Operating Pressure, Unit:	30	PSI	30	PSI
Nozzle Type:	XR8	003	XR8	002
Nozzle Spacing, Unit:	20	IN	20	IN
Nozzles/Row:	6		6	
Boom Length, Unit:	10	FT	10	FT
Boom Height, Unit:	19	IN	19	IN
Ground Speed, Unit:	3	MPH	3	MPH
Carrier:	Wate	er	WATER	
Spray Volume, Unit:	20		15	
Spray Volume, Onit.	GAL	/A	GAL/A	
Mix Size, Unit:	2.2	Liters	2	Liters
Propellant:	CO ₂		CO ₂	2

Rating	Name g Date g Type				Giant foxtail May-20-2011 Control	Giant foxtail May-30-2011 Control	Giant foxtail Jun-24-2011 Control	Giant foxtail Aug-16-2011 Control
Rating	g Unit -Eval Interval				% 17 DP-1	% 27 DP-1	% 52 DP-1	% 105 DP-1
Trt	Treatment		Rate	Appl	17 01 -1	21 01 -1	32 DI -1	103 D1 -1
No.	Name	Rate	Unit	Code	2	9	13	17
1	rimsulfuron	0.25	oz ai/a	Α	87 bc	71 b	53 d	45 fg
	mesotrione	2.25	oz ai/a	Α				
2	rimsulfuron	0.375	oz ai/a	Α	86 bc	74 b	65 b	58 e
	mesotrione		oz ai/a	Α				
3	rimsulfuron		oz ai/a	Α	81 cd	69 bc	58 cd	40 g
	thifensulfuron	0.25	oz ai/a	Α				
	mesotrione		oz ai/a	Α				
4	rimsulfuron		oz ai/a	Α	82 bcd	69 bc	56 cd	43 g
	mesotrione		oz ai/a	Α				
	atrazine		lb ai/a	Α				
5	rimsulfuron		oz ai/a	Α	85 bc	71 b	63 bc	50 f
	mesotrione		oz ai/a	Α				
<u> </u>	atrazine		lb ai/a	A				
6	rimsulfuron		oz ai/a	A	90 b	77 b	66 b	50 f
	thifensulfuron		oz ai/a	A				
	mesotrione		oz ai/a	Α				
	atrazine		lb ai/a	Α				
7	rimsulfuron		oz ai/a	Α	75 d	58 c	100 a	100 a
	mesotrione		oz ai/a	Α				
	atrazine		lb ai/a	Α				
	Abundit		fl oz/a	В				
	AMS	2	lb/a	В				
8	rimsulfuron		oz ai/a	Α	83 bcd	74 b	100 a	100 a
	mesotrione	2.25	oz ai/a	Α				
	atrazine	1	lb ai/a	Α				
	Abundit	32	fl oz/a	В				
	AMS	2	lb/a	В				
9	rimsulfuron	0.25	oz ai/a	Α	87 bc	77 b	100 a	100 a
	thifensulfuron	0.25	oz ai/a	Α				
	mesotrione	2.25	oz ai/a	Α				
	atrazine	1	lb ai/a	Α				
	Abundit	32	fl oz/a	В				
	AMS	2	lb/a	В				
10	Lumax	3	qt/a	Α	100 a	99 a	96 a	89 bcd
11	Lumax		qt/a	Α	100 a	99 a	100 a	100 a
	Abundit		fl oz/a	В				
	AMS	2	lb/a	В				
	Nontreated		(l /	^	0	0	0	0
13	Verdict		fl oz/a	A	100 a	100 a	100 a	95 abc
	Outlook		fl oz/a	A				
4.4	atrazine		qt/a	Α	100 -	100 -	00 -	00 5
14	Verdict Outlook		fl oz/a fl oz/a	A A	100 a	100 a	99 a	92 bcd
15	Verdict		fl oz/a	A	100 a	100 a	99 a	88 cd
13	G-Max Lite		pt/a	A	100 a	100 a	33 d	oo cu
16	G-Max Lite		pt/a	A	100 a	100 a	100 a	91 bcd
10	Sharpen		fl oz/a	A	100 a	100 a	100 a	J1 bcu
17	Verdict		fl oz/a	A	100 a	99 a	99 a	96 ab
''	Prowl H2O		pt/a	A	100 a	55 a	υυ α	oo ab
18	Verdict		fl oz/a	A	100 a	99 a	98 a	89 cd
.	Prowl H2O		pt/a	A		30 %	20 0	20 00
1	atrazine		qt/a	Α				

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					,			
Pest	Name				Giant foxtail	Giant foxtail	Giant foxtail	Giant foxtail
Ratin	g Date				May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Ratin	g Type				Control	Control	Control	Control
Ratin	g Unit				%	%	%	%
Plant	-Eval Interval				17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment		Rate	Appl				
No.	Name	Rate	Unit	Code	2	9	13	17
19	Nontreated				0 e	0 d	0 e	0 h
20	A17227A	3.0	qt/a	Α	100 a	99 a	99 a	87 d
21	A18263D	2.4	qt/a	Α	100 a	99 a	99 a	86 d
	Princep	1	qt/a	Α				
LSD	(P=.10)				9.4	12.8	7.3	6.8

Doct	Name			Common lambsqu>	Common lambsqu>	Common lambsqu>	Common lambsqu>
	g Date			May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
	g Type			Control	Control	Control	Control
	g Unit			%	%	%	%
	-Eval Interval			17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment	Rate	Appl				
No.	Name	Rate Unit	Code	3	10	14	18
1	rimsulfuron	0.25 oz ai/a	Α	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a					
2	rimsulfuron	0.375 oz ai/a	Α	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	A	100	100		
3	rimsulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
	thifensulfuron	0.25 oz ai/a	Α				
	mesotrione	2.25 oz ai/a	A				
4	rimsulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	Α				
5	rimsulfuron	0.375 oz ai/a	Α	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	Α				
6	rimsulfuron	0.25 oz ai/a	Α	100 a	100 a	100 a	100 a
	thifensulfuron	0.25 oz ai/a	Α				
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	Α				
7	rimsulfuron	0.25 oz ai/a	Α	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	Α				
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
8	rimsulfuron	0.375 oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	A				
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
0	rimsulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
9	thifensulfuron	0.25 02 ai/a 0.25 oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	A				
	atrazine	1 lb ai/a	A				
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
	Lumax	3 qt/a	A	100 a	100 a	100 a	100 a
11	Lumax	3 qt/a	A	100 a	100 a	100 a	100 a
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
	Nontreated	45 fl/-	Λ.	0	0	0	0
13	Verdict	15 fl oz/a	A	100 a	100 a	100 a	100 a
	Outlook	8 fl oz/a	A				
	atrazine	1 qt/a	A	100	400	22	20 1
14	Verdict	15 fl oz/a	A	100 a	100 a	99 a	98 cd
	Outlook	8 fl oz/a	A	100	400	20.1	20. 1
15	Verdict	15 fl oz/a	A	100 a	100 a	98 b	98 d
- 10	G-Max Lite	1.33 pt/a	A	400	400	100	100
16	G-Max Lite	3.33 pt/a	A	100 a	100 a	100 a	100 a
	Sharpen	2.5 fl oz/a	A	100	100	100	100 '
17	Verdict	15 fl oz/a	A	100 a	100 a	100 a	100 ab
4.0	Prowl H2O	3 pt/a	A	400	400	00	20.1
18	Verdict	15 fl oz/a	A	100 a	100 a	99 a	99 bc
	Prowl H2O	3 pt/a	A				
	atrazine	1 qt/a	Α				

Pest Nam	ne				Common lambsqu>	Common lambsqu>	Common lambsqu>	Common lambsqu>
Rating Da	ate				May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Rating Ty	уре				Control	Control	Control	Control
Rating Ur	nit				%	%	%	%
Plant-Eva	al Interval				17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt Tre	eatment		Rate	Appl				
No. Na	me	Rate	Unit	Code	3	10	14	18
19 No	ntreated				0 b	0 b	0 с	0 e
20 A1	7227A	3.0	qt/a	Α	100 a	100 a	100 a	99 ab
21 A18	8263D	2.4	qt/a	Α	100 a	100 a	100 a	100 a
Pri	ncep	1	qt/a	Α				
LSD (P=.	.10)				0.0	0.0	0.9	1.2

Pest I	Name g Date				Velvetleaf May-20-2011	Velvetleaf May-30-2011	Velvetleaf Jun-24-2011	Velvetlea Aug-16-2011
•	Type				Control	Control	Control	Contro
Rating					%	%	%	%
Plant-	Eval Interval				17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment		Rate	Appl				
No.	Name	Rate	Unit	Code	4	11	15	19
1	rimsulfuron		oz ai/a	A	100 a	85 c	100 a	100 a
	mesotrione		oz ai/a	A	100		100	
2	rimsulfuron		oz ai/a	A	100 a	97 ab	100 a	100 a
	mesotrione		oz ai/a	A	100		100	
3	rimsulfuron		oz ai/a	A	100 a	96 ab	100 a	100 a
	thifensulfuron		oz ai/a	Α				
	mesotrione		oz ai/a	A				
4	rimsulfuron		oz ai/a	A	100 a	94 abc	100 a	100 a
	mesotrione		oz ai/a	Α				
	atrazine		lb ai/a	Α				
5	rimsulfuron		oz ai/a	Α	100 a	90 bc	100 a	100 a
	mesotrione	2.25	oz ai/a	Α				
	atrazine		lb ai/a	Α				
6	rimsulfuron	0.25	oz ai/a	Α	100 a	96 ab	100 a	100 a
	thifensulfuron	0.25	oz ai/a	Α				
	mesotrione	2.25	oz ai/a	Α				
	atrazine	1	lb ai/a	Α				
7	rimsulfuron	0.25	oz ai/a	Α	100 a	99 ab	100 a	100 a
	mesotrione	2.25	oz ai/a	Α				
	atrazine	1	lb ai/a	Α				
	Abundit	32	fl oz/a	В				
	AMS	_	lb/a	В				
Q	rimsulfuron		oz ai/a	A	100 a	98 ab	100 a	100 a
U	mesotrione		oz ai/a	A	100 a	30 ab	100 a	100 α
	atrazine		lb ai/a	A				
	Abundit	_	fl oz/a	В				
	AMS		lb/a	В				
9	rimsulfuron		oz ai/a	A	100 a	93 abc	100 a	100 a
	thifensulfuron		oz ai/a	Α				
	mesotrione	2.25	oz ai/a	Α				
	atrazine	1	lb ai/a	Α				
	Abundit	32	fl oz/a	В				
	AMS	2	lb/a	В				
10	Lumax	3	qt/a	Α	100 a	99 ab	100 a	100 a
11	Lumax		qt/a	Α	100 a	99 ab	100 a	100 a
	Abundit	32	fl oz/a	В				
	AMS	2	lb/a	В				
	Nontreated				0	0	0	0
13	Verdict		fl oz/a	Α	100 a	100 a	100 a	100 a
	Outlook	8	fl oz/a	Α				
	atrazine		qt/a	Α				
14	Verdict	15	fl oz/a	Α	100 a	97 ab	94 c	88 c
	Outlook		fl oz/a	Α				
15	Verdict		fl oz/a	Α	100 a	98 ab	98 b	95 b
	G-Max Lite	1.33	•	Α				
16	G-Max Lite	3.33	•	Α	100 a	100 a	99 ab	100 a
	Sharpen	2.5	fl oz/a	Α				
17	Verdict		fl oz/a	Α	100 a	100 a	100 a	100 a
	Prowl H2O		pt/a	Α				
18	Verdict		fl oz/a	Α	100 a	99 ab	98 b	92 bc
	Prowl H2O	3	pt/a	Α				
	atrazine	1	qt/a	Α				

			•			
			Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf
			May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
			Control	Control	Control	Control
			%	%	%	%
			17 DP-1	27 DP-1	52 DP-1	105 DP-1
	Rate	Appl				
Rate	Unit	Code	4	11	15	19
			0 b	0 d	0 d	0 d
3.0	qt/a	Α	100 a	95 ab	100 a	100 a
2.4	qt/a	Α	100 a	100 a	100 a	100 a
1	qt/a	Α				
			0.0	9.8	2.2	5.0
	3.0	3.0 qt/a 2.4 qt/a	Rate Unit Code 3.0 qt/a A 2.4 qt/a A	May-20-2011 Control % 17 DP-1 Rate Unit Code 4 0 b 3.0 qt/a A 100 a 1 qt/a A 100 a 1 qt/a A 100 a	May-20-2011	May-20-2011 May-30-2011 Jun-24-2011 Control % % % 17 DP-1 27 DP-1 52 DP-1 Rate Appl 4 11 15 Rate Unit Code 4 11 15 3.0 qt/a A 100 a 95 ab 100 a 2.4 qt/a A 100 a 100 a 100 a 1 qt/a A 100 a 100 a 100 a

Pest	Name			Common ragweed	Common ragweed	Common ragweed	Common ragweed
	g Date			May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
	g Type			Control	Control	Control	Control
Ratin	g Unit			%	%	%	%
Plant-	-Eval Interval			17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment	Rate	Appl				
No.	Name	Rate Unit	Code	5	12	16	20
1	rimsulfuron	0.25 oz ai/a	A	100 a	99 a	100 a	100 a
	mesotrione	2.25 oz ai/a	A	400 -	00 -	400 -	400 -
	rimsulfuron mesotrione	0.375 oz ai/a 2.25 oz ai/a	A	100 a	99 a	100 a	100 a
2	rimsulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
3	thifensulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	A				
1	rimsulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
4	mesotrione	2.25 oz ai/a	A	100 a	100 a	100 a	100 a
	atrazine	1 lb ai/a	A				
5	rimsulfuron	0.375 oz ai/a	A	100 a	95 b	100 a	100 a
3	mesotrione	2.25 oz ai/a	A	100 a	93 0	100 a	100 a
	atrazine	1 lb ai/a					
6	rimsulfuron	0.25 oz ai/a	A A	100 a	100 a	100 a	100 a
0	thifensulfuron	0.25 02 ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	A				
	atrazine	1 lb ai/a	A	100 -	100 -	400 -	400 -
′	rimsulfuron	0.25 oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	A				
	atrazine	1 lb ai/a	A				
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
8	rimsulfuron	0.375 oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	Α				
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
9	rimsulfuron	0.25 oz ai/a	Α	100 a	99 a	100 a	100 a
	thifensulfuron	0.25 oz ai/a	Α				
	mesotrione	2.25 oz ai/a	Α				
	atrazine	1 lb ai/a	Α				
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
	Lumax	3 qt/a	Α	100 a	100 a	100 a	100 a
11	Lumax	3 qt/a	Α	100 a	99 a	100 a	100 a
	Abundit	32 fl oz/a	В				
	AMS	2 lb/a	В				
	Nontreated			0	0	0	0
13	Verdict	15 fl oz/a	A	100 a	100 a	100 a	100 a
	Outlook	8 fl oz/a	Α				
	atrazine	1 qt/a	Α				
14	Verdict	15 fl oz/a	A	100 a	100 a	100 a	100 a
	Outlook	8 fl oz/a	A			400	
15	Verdict	15 fl oz/a	A	100 a	100 a	100 a	100 a
4.0	G-Max Lite	1.33 pt/a	A	400 -	400 -	400 -	400
16	G-Max Lite	3.33 pt/a	A	100 a	100 a	100 a	100 a
47	Sharpen	2.5 fl oz/a	A	400 -	100 -	400 -	400 -
17	Verdict Prowl H2O	15 fl oz/a 3 pt/a	A	100 a	100 a	100 a	100 a
10	Verdict	3 pt/a 15 fl oz/a	Α	100 a	99 a	100 a	98 b
10	Prowl H2O	3 pt/a	A A	100 a	99 d	100 a	90 D
			A				
	atrazine	1 qt/a	Α				

					<u> </u>			
Pest	Name				Common ragweed	Common ragweed	Common ragweed	Common ragweed
Ratin	g Date				May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Ratin	g Type				Control	Control	Control	Control
Ratin	g Unit				%	%	%	%
Plant	-Eval Interval				17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment		Rate	Appl				
No.	Name	Rate	Unit	Code	5	12	16	20
19	Nontreated				0 b	0 c	0 b	0 c
20	A17227A	3.0) qt/a	Α	100 a	100 a	100 a	100 a
21	A18263D	2.4	4 qt/a	Α	100 a	100 a	100 a	100 a
	Princep		1 qt/a	Α				
LSD	(P=.10)				0.0	2.9	0.0	1.2

Crop N	lame				Dent Corn	Dent Corn	Dent Corn	Dent Corn	Dent Corn	Dent Corn	Dent Corn
Rating	Date				Oct-22-2011	Oct-22-2011	Oct-22-2011	May-20-2011	May-30-2011	May-30-2011	May-20-201
Rating Rating					YIELD BU	Yield lb	Moisture %	Crop Injury %	Crop Injury %	Crop Injury %	Crop Injury %
	val Interval				172 DP-1	172 DP-1	172 DP-1	17 DP-1 Leaf	27 DP-1 Chloro	27 DP-1 Leaf	17 DP-1 Chloro
	Γreatment ·	. .	Rate	Appl					_		
	Name ·	Rate	Unit	Code	23	22	21	6	7	8	1
	imsulfuron nesotrione		oz ai/a oz ai/a	A A	166.3 fgh	26 ghi	14 a	0 a	0 a	0 a	0 a
	imsulfuron		oz ai/a	A	170.8 fg	27 gh	14 a	0 a	0 a	0 a	0 a
	nesotrione		oz ai/a	A	170.0 lg	27 911	14 a	0 a	υa	0 a	U a
	imsulfuron		oz ai/a	A	148.5 h	23 i	14 a	0 a	0 a	0 a	0 a
	hifensulfuron		oz ai/a	Α							
	nesotrione		oz ai/a	Α							
	imsulfuron		oz ai/a	Α	158.1 gh	25 hi	14 a	0 a	0 a	0 a	0 a
r	mesotrione	2.25	oz ai/a	Α	ŭ						
a	atrazine	1	lb ai/a	Α							
5 r	imsulfuron	0.375	oz ai/a	Α	183.3 def	29 efg	14 a	0 a	0 a	0 a	0 a
r	nesotrione	2.25	oz ai/a	Α							
a	atrazine	1	lb ai/a	Α							
6 r	imsulfuron	0.25	oz ai/a	Α	177.0 efg	28 fg	14 a	0 a	0 a	0 a	0 a
t	hifensulfuron	0.25	oz ai/a	Α							
r	mesotrione	2.25	oz ai/a	Α							
a	atrazine	1	lb ai/a	Α							
7 r	imsulfuron	0.25	oz ai/a	Α	195.3 cde	31 def	14 a	0 a	0 a	0 a	0 a
r	mesotrione	2.25	oz ai/a	Α							
a	atrazine	1	lb ai/a	Α							
A	Abundit	32	fl oz/a	В							
A	AMS	2	lb/a	В							
8 r	imsulfuron	0.375	oz ai/a	Α	196.4 cd	31 cde	14 a	0 a	0 a	0 a	0 a
r	mesotrione	2.25	oz ai/a	Α							
a	atrazine	1	lb ai/a	Α							
A	Abundit	32	fl oz/a	В							
A	AMS	2	lb/a	В							
	imsulfuron		oz ai/a	Α	207.7 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
t	hifensulfuron		oz ai/a	Α							
r	mesotrione	2.25	oz ai/a	Α							
a	atrazine	1	lb ai/a	Α							
A	Abundit		fl oz/a	В							
	AMS	2	lb/a	В							
	₋umax		qt/a	Α	213.7 abc	34 a-d	14 a	0 a	0 a	0 a	0 a
	_umax		qt/a	A	218.1 ab	34 ab	14 a	0 a	0 a	0 a	0 a
	Abundit		fl oz/a	В							
	AMS	2	lb/a	В	00.0 :	45 .	4.4				
	Nontreated /erdict	15	fl oz/a	۸	92.8 i	15 j 36 a	14 a 14 a	0 a 0 a	0 a	0 a 0 a	0 a 0 a
	Dutlook		fl oz/a	A A	229.1 a	ou a	14 a	U a	0 a	u a	Ua
	atrazine										
	/erdict		qt/a fl oz/a	A A	205.9 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
	Outlook		fl oz/a	A	200.0 00	00 000	17 α	υa	o a	o a	U d
	/erdict		fl oz/a	A	207.8 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
	G-Max Lite		pt/a	Α							
	G-Max Lite		pt/a	Α	217.9 ab	34 ab	14 a	0 a	0 a	0 a	0 a
	Sharpen		fl oz/a	Α							
	/erdict		fl oz/a	Α	207.7 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
F	Prowl H2O	3	pt/a	Α							

Chiversity of Wisconsin Madison											
Crop	Name				Dent Corn	Dent Corn	Dent Corn	Dent Corn	Dent Corn	Dent Corn	Dent Corn
Rating Date					Oct-22-2011	Oct-22-2011	Oct-22-2011	May-20-201 1	May-30-2011	May-30-2011	May-20-2011
Rating Type					YIELD	Yield	Moisture	Crop Injury	Crop Injury	Crop Injury	Crop Injury
Rating Unit			BU	lb	%	%	%	%	%		
Plant-Eval Interval			172 DP-1	172 DP-1	172 DP-1	17 DP-1	27 DP-1	27 DP-1	17 DP-1		
Description						Leaf	Chloro	Leaf	Chloro		
Trt	Treatment		Rate	Appl							
No.	Name	Rate	Unit	Code	23	22	21	6	7	8	1
18	Verdict	15	fl oz/a	Α	213.9 abc	34 abc	14 a	0 8	0 a	0 a	0 a
	Prowl H2O	3	pt/a	Α							
	atrazine	1	qt/a	Α							
19	Nontreated				95.1 i	15 j	14 a	0 8	0 a	0 a	0 a
20	A17227A	3.0	qt/a	Α	207.1 bc	33 bcd	14 a	0 8	0 a	0 a	0 a
21	A18263D	2.4	qt/a	Α	217.7 ab	34 ab	14 a	0 8	0 a	0 a	0 a
	Princep	1	qt/a	Α							
LSD (P=.10)				19.27	3.0	0.5	0.0	0.0	0.0	0.0

Means followed by same letter do not significantly differ (P=.10, LSD) Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.