

University of Wisconsin-Madison

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 **Latitude of LL Corner °:** 43.18084 N
State/Prov.: WI **Longitude of LL Corner °:** 89.20425 W
Postal Code: 53911 **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

	A	B
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

	A	B
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

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA 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	CHEAL 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	ABUTH 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	AMBEL W
Stage Majority, Percent:	Pre	

Application Equipment

	A	B
Operating Pressure, Unit:	30 PSI	30 PSI
Nozzle Type:	XR8003	XR8002
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:	Water	WATER
Spray Volume, Unit:	20 GAL/A	15 GAL/A
Mix Size, Unit:	2.2 Liters	2 Liters
Propellant:	CO2	CO2

University of Wisconsin-Madison

Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval					Giant foxtail May-20-2011 Control % 17 DP-1	Giant foxtail May-30-2011 Control % 27 DP-1	Giant foxtail Jun-24-2011 Control % 52 DP-1	Giant foxtail Aug-16-2011 Control % 105 DP-1
Trt No.	Treatment Name	Rate	Unit	Appl Code	2	9	13	17
1	rimsulfuron	0.25	oz ai/a	A	87 bc	71 b	53 d	45 fg
	mesotrione	2.25	oz ai/a	A				
2	rimsulfuron	0.375	oz ai/a	A	86 bc	74 b	65 b	58 e
	mesotrione	2.25	oz ai/a	A				
3	rimsulfuron	0.25	oz ai/a	A	81 cd	69 bc	58 cd	40 g
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
4	rimsulfuron	0.25	oz ai/a	A	82 bcd	69 bc	56 cd	43 g
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
5	rimsulfuron	0.375	oz ai/a	A	85 bc	71 b	63 bc	50 f
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
6	rimsulfuron	0.25	oz ai/a	A	90 b	77 b	66 b	50 f
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
7	rimsulfuron	0.25	oz ai/a	A	75 d	58 c	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
8	rimsulfuron	0.375	oz ai/a	A	83 bcd	74 b	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
9	rimsulfuron	0.25	oz ai/a	A	87 bc	77 b	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
10	Lumax	3	qt/a	A	100 a	99 a	96 a	89 bcd
11	Lumax	3	qt/a	A	100 a	99 a	100 a	100 a
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
12	Nontreated				0	0	0	0
13	Verdict	15	fl oz/a	A	100 a	100 a	100 a	95 abc
	Outlook	8	fl oz/a	A				
	atrazine	1	qt/a	A				
14	Verdict	15	fl oz/a	A	100 a	100 a	99 a	92 bcd
	Outlook	8	fl oz/a	A				
15	Verdict	15	fl oz/a	A	100 a	100 a	99 a	88 cd
	G-Max Lite	1.33	pt/a	A				
16	G-Max Lite	3.33	pt/a	A	100 a	100 a	100 a	91 bcd
	Sharpen	2.5	fl oz/a	A				
17	Verdict	15	fl oz/a	A	100 a	99 a	99 a	96 ab
	Prowl H2O	3	pt/a	A				
18	Verdict	15	fl oz/a	A	100 a	99 a	98 a	89 cd
	Prowl H2O	3	pt/a	A				
	atrazine	1	qt/a	A				

University of Wisconsin-Madison

Pest Name					Giant foxtail	Giant foxtail	Giant foxtail	Giant foxtail
Rating Date					May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Rating Type					Control	Control	Control	Control
Rating 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	A	100 a	99 a	99 a	87 d
21	A18263D	2.4	qt/a	A	100 a	99 a	99 a	86 d
	Princep	1	qt/a	A				
LSD (P=.10)					9.4	12.8	7.3	6.8

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.

Untreated treatment(s) 12 excluded from analysis.

University of Wisconsin-Madison

Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval					Common lambsqu> May-20-2011 Control % 17 DP-1	Common lambsqu> May-30-2011 Control % 27 DP-1	Common lambsqu> Jun-24-2011 Control % 52 DP-1	Common lambsqu> Aug-16-2011 Control % 105 DP-1
Trt	Treatment	Rate	Unit	Appl Code	3	10	14	18
1	rimsulfuron	0.25	oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
2	rimsulfuron	0.375	oz ai/a	A	100 a	100 a	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
3	rimsulfuron	0.25	oz ai/a	A	100 a	100 a	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	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	A				
	atrazine	1	lb ai/a	A				
5	rimsulfuron	0.375	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				
6	rimsulfuron	0.25	oz ai/a	A	100 a	100 a	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
7	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	B				
	AMS	2	lb/a	B				
8	rimsulfuron	0.375	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	B				
	AMS	2	lb/a	B				
9	rimsulfuron	0.25	oz ai/a	A	100 a	100 a	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
10	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	B				
	AMS	2	lb/a	B				
12	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	A				
	atrazine	1	qt/a	A				
14	Verdict	15	fl oz/a	A	100 a	100 a	99 a	98 cd
	Outlook	8	fl oz/a	A				
15	Verdict	15	fl oz/a	A	100 a	100 a	98 b	98 d
	G-Max Lite	1.33	pt/a	A				
16	G-Max Lite	3.33	pt/a	A	100 a	100 a	100 a	100 a
	Sharpen	2.5	fl oz/a	A				
17	Verdict	15	fl oz/a	A	100 a	100 a	100 a	100 ab
	Prowl H2O	3	pt/a	A				
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	A				

University of Wisconsin-Madison

Pest Name					Common lambsqu>	Common lambsqu>	Common lambsqu>	Common lambsqu>
Rating Date					May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Rating Type					Control	Control	Control	Control
Rating Unit					%	%	%	%
Plant-Eval Interval					17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment							
No.	Name	Rate	Unit	Appl Code	3	10	14	18
19	Nontreated				0 b	0 b	0 c	0 e
20	A17227A	3.0	qt/a	A	100 a	100 a	100 a	99 ab
21	A18263D	2.4	qt/a	A	100 a	100 a	100 a	100 a
	Princep	1	qt/a	A				
LSD (P=.10)					0.0	0.0	0.9	1.2

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.

Untreated treatment(s) 12 excluded from analysis.

University of Wisconsin-Madison

Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval					Velvetleaf May-20-2011 Control % 17 DP-1	Velvetleaf May-30-2011 Control % 27 DP-1	Velvetleaf Jun-24-2011 Control % 52 DP-1	Velvetleaf Aug-16-2011 Control % 105 DP-1
Trt	Treatment	Rate	Unit	Appl Code				
No.	Name				4	11	15	19
1	rimsulfuron	0.25	oz ai/a	A	100 a	85 c	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
2	rimsulfuron	0.375	oz ai/a	A	100 a	97 ab	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
3	rimsulfuron	0.25	oz ai/a	A	100 a	96 ab	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
4	rimsulfuron	0.25	oz ai/a	A	100 a	94 abc	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
5	rimsulfuron	0.375	oz ai/a	A	100 a	90 bc	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
6	rimsulfuron	0.25	oz ai/a	A	100 a	96 ab	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
7	rimsulfuron	0.25	oz ai/a	A	100 a	99 ab	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
8	rimsulfuron	0.375	oz ai/a	A	100 a	98 ab	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
9	rimsulfuron	0.25	oz ai/a	A	100 a	93 abc	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
10	Lumax	3	qt/a	A	100 a	99 ab	100 a	100 a
11	Lumax	3	qt/a	A	100 a	99 ab	100 a	100 a
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
12	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	A				
	atrazine	1	qt/a	A				
14	Verdict	15	fl oz/a	A	100 a	97 ab	94 c	88 c
	Outlook	8	fl oz/a	A				
15	Verdict	15	fl oz/a	A	100 a	98 ab	98 b	95 b
	G-Max Lite	1.33	pt/a	A				
16	G-Max Lite	3.33	pt/a	A	100 a	100 a	99 ab	100 a
	Sharpen	2.5	fl oz/a	A				
17	Verdict	15	fl oz/a	A	100 a	100 a	100 a	100 a
	Prowl H2O	3	pt/a	A				
18	Verdict	15	fl oz/a	A	100 a	99 ab	98 b	92 bc
	Prowl H2O	3	pt/a	A				
	atrazine	1	qt/a	A				

University of Wisconsin-Madison

Pest Name					Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf
Rating Date					May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Rating Type					Control	Control	Control	Control
Rating Unit					%	%	%	%
Plant-Eval Interval					17 DP-1	27 DP-1	52 DP-1	105 DP-1
Trt	Treatment							
No.	Name	Rate	Unit	Appl Code	4	11	15	19
19	Nontreated				0 b	0 d	0 d	0 d
20	A17227A	3.0	qt/a	A	100 a	95 ab	100 a	100 a
21	A18263D	2.4	qt/a	A	100 a	100 a	100 a	100 a
	Princep	1	qt/a	A				
LSD (P=.10)					0.0	9.8	2.2	5.0

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.

Untreated treatment(s) 12 excluded from analysis.

University of Wisconsin-Madison

Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval					Common ragweed May-20-2011 Control % 17 DP-1	Common ragweed May-30-2011 Control % 27 DP-1	Common ragweed Jun-24-2011 Control % 52 DP-1	Common ragweed Aug-16-2011 Control % 105 DP-1
Trt No.	Treatment Name	Rate	Unit	Appl 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				
2	rimsulfuron	0.375	oz ai/a	A	100 a	99 a	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
3	rimsulfuron	0.25	oz ai/a	A	100 a	100 a	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	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	A				
	atrazine	1	lb ai/a	A				
5	rimsulfuron	0.375	oz ai/a	A	100 a	95 b	100 a	100 a
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
6	rimsulfuron	0.25	oz ai/a	A	100 a	100 a	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
7	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	B				
	AMS	2	lb/a	B				
8	rimsulfuron	0.375	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	B				
	AMS	2	lb/a	B				
9	rimsulfuron	0.25	oz ai/a	A	100 a	99 a	100 a	100 a
	thifensulfuron	0.25	oz ai/a	A				
	mesotrione	2.25	oz ai/a	A				
	atrazine	1	lb ai/a	A				
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
10	Lumax	3	qt/a	A	100 a	100 a	100 a	100 a
11	Lumax	3	qt/a	A	100 a	99 a	100 a	100 a
	Abundit	32	fl oz/a	B				
	AMS	2	lb/a	B				
12	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	A				
	atrazine	1	qt/a	A				
14	Verdict	15	fl oz/a	A	100 a	100 a	100 a	100 a
	Outlook	8	fl oz/a	A				
15	Verdict	15	fl oz/a	A	100 a	100 a	100 a	100 a
	G-Max Lite	1.33	pt/a	A				
16	G-Max Lite	3.33	pt/a	A	100 a	100 a	100 a	100 a
	Sharpen	2.5	fl oz/a	A				
17	Verdict	15	fl oz/a	A	100 a	100 a	100 a	100 a
	Prowl H2O	3	pt/a	A				
18	Verdict	15	fl oz/a	A	100 a	99 a	100 a	98 b
	Prowl H2O	3	pt/a	A				
	atrazine	1	qt/a	A				

University of Wisconsin-Madison

Pest Name					Common ragweed	Common ragweed	Common ragweed	Common ragweed
Rating Date					May-20-2011	May-30-2011	Jun-24-2011	Aug-16-2011
Rating Type					Control	Control	Control	Control
Rating 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	A	100 a	100 a	100 a	100 a
21	A18263D	2.4	qt/a	A	100 a	100 a	100 a	100 a
	Princep	1	qt/a	A				
LSD (P=.10)					0.0	2.9	0.0	1.2

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.

Untreated treatment(s) 12 excluded from analysis.

University 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-20-2011	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 No.	Treatment Name	Rate	Unit	Appl Code	23	22	21	6	7	8	1
1	rimsulfuron	0.25	oz ai/a	A	166.3 fgh	26 ghi	14 a	0 a	0 a	0 a	0 a
	mesotrione	2.25	oz ai/a	A							
2	rimsulfuron	0.375	oz ai/a	A	170.8 fg	27 gh	14 a	0 a	0 a	0 a	0 a
	mesotrione	2.25	oz ai/a	A							
3	rimsulfuron	0.25	oz ai/a	A	148.5 h	23 i	14 a	0 a	0 a	0 a	0 a
	thifensulfuron	0.25	oz ai/a	A							
	mesotrione	2.25	oz ai/a	A							
4	rimsulfuron	0.25	oz ai/a	A	158.1 gh	25 hi	14 a	0 a	0 a	0 a	0 a
	mesotrione	2.25	oz ai/a	A							
	atrazine	1	lb ai/a	A							
5	rimsulfuron	0.375	oz ai/a	A	183.3 def	29 efg	14 a	0 a	0 a	0 a	0 a
	mesotrione	2.25	oz ai/a	A							
	atrazine	1	lb ai/a	A							
6	rimsulfuron	0.25	oz ai/a	A	177.0 efg	28 fg	14 a	0 a	0 a	0 a	0 a
	thifensulfuron	0.25	oz ai/a	A							
	mesotrione	2.25	oz ai/a	A							
	atrazine	1	lb ai/a	A							
7	rimsulfuron	0.25	oz ai/a	A	195.3 cde	31 def	14 a	0 a	0 a	0 a	0 a
	mesotrione	2.25	oz ai/a	A							
	atrazine	1	lb ai/a	A							
	Abundit	32	fl oz/a	B							
	AMS	2	lb/a	B							
8	rimsulfuron	0.375	oz ai/a	A	196.4 cd	31 cde	14 a	0 a	0 a	0 a	0 a
	mesotrione	2.25	oz ai/a	A							
	atrazine	1	lb ai/a	A							
	Abundit	32	fl oz/a	B							
	AMS	2	lb/a	B							
9	rimsulfuron	0.25	oz ai/a	A	207.7 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
	thifensulfuron	0.25	oz ai/a	A							
	mesotrione	2.25	oz ai/a	A							
	atrazine	1	lb ai/a	A							
	Abundit	32	fl oz/a	B							
	AMS	2	lb/a	B							
10	Lumax	3	qt/a	A	213.7 abc	34 a-d	14 a	0 a	0 a	0 a	0 a
11	Lumax	3	qt/a	A	218.1 ab	34 ab	14 a	0 a	0 a	0 a	0 a
	Abundit	32	fl oz/a	B							
	AMS	2	lb/a	B							
12	Nontreated				92.8 i	15 j	14 a	0 a	0 a	0 a	0 a
13	Verdict	15	fl oz/a	A	229.1 a	36 a	14 a	0 a	0 a	0 a	0 a
	Outlook	8	fl oz/a	A							
	atrazine	1	qt/a	A							
14	Verdict	15	fl oz/a	A	205.9 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
	Outlook	8	fl oz/a	A							
15	Verdict	15	fl oz/a	A	207.8 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
	G-Max Lite	1.33	pt/a	A							
16	G-Max Lite	3.33	pt/a	A	217.9 ab	34 ab	14 a	0 a	0 a	0 a	0 a
	Sharpen	2.5	fl oz/a	A							
17	Verdict	15	fl oz/a	A	207.7 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
	Prowl H2O	3	pt/a	A							

University 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-20-2011	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	Unit	Appl							
No.	Name	Rate	Unit	Code	23	22	21	6	7	8	1
18	Verdict	15 fl oz/a	A		213.9 abc	34 abc	14 a	0 a	0 a	0 a	0 a
	Prowl H2O	3 pt/a	A								
	atrazine	1 qt/a	A								
19	Nontreated				95.1 i	15 j	14 a	0 a	0 a	0 a	0 a
20	A17227A	3.0 qt/a	A		207.1 bc	33 bcd	14 a	0 a	0 a	0 a	0 a
21	A18263D	2.4 qt/a	A		217.7 ab	34 ab	14 a	0 a	0 a	0 a	0 a
	Princep	1 qt/a	A								
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.