

University of Wisconsin-Madison

Herbicide System Evaluation

Study Director: T. L. Trower **Title:** Sr. Outreach Specialist
Investigator: V. M. Davis
Discipline: H herbicide
Initiation Date: May-4-2011

Trial Location

City: Arlington **Latitude of LL Corner °:** 43.18078 N
State/Prov.: WI **Longitude of LL Corner °:** 89.20326 W
Postal Code: 53911 **Altitude of LL Corner, Unit:** 1221.00 FT
Country: USA

Crop Description

Crop 1: ZEAMD Zea mays indentata Dent corn
Variety: Pioneer P99 10 AM1 **Description:** RR/LL
BBCH Scale: BCOR **Planting Date:** May-4-2011
Planting Method: SEEDED seeded **Rate, Unit:** 32400 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 6 IN
Seed Bed: SMOOTH smooth
Harvested Width, Unit: 5 FT **Emergence Date:** May-13-2011
Harvested Length, Unit: 25 FT

Pest Description

Pest 1 Type: W **Code:** PANMI Panicum miliaceum
Common Name: Wild proso millet

Pest 2 Type: W **Code:** CHEAL Chenopodium album
Common Name: Common lambsquarters

Pest 3 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant foxtail

Pest 4 Type: W **Code:** ABUTH Abutilon theophrasti
Common Name: Velvetleaf

Pest 5 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:** RACOB Randomized Complete Block (RCB)
Replications: 4

Soil Description

Description Name: Plano Silt Loam
% Sand: 9 **% OM:** 3.6 **Texture:** SIL silt loam
% Silt: 68 **pH:** 6 **Soil Name:** Plano
% Clay: 23 **Fert. Level:** F fair
Soil Drainage: E excellent

Application Description

	A	B
Application Date:	May-4-2011	Jun-10-2011
Time of Day:	7:45p	10:00AM
Application Method:	Broadcast	Broadcast
Application Timing:	PRE	V4
Application Placement:	Surface	Foliage
Applied By:	T. Trower	T. Trower
Air Temperature, Unit:	53.5 F	54.7 F
% Relative Humidity:	41	80
Wind Velocity, Unit:	3.5 MPH	4 MPH
Wind Direction:	S	SE
Soil Temperature, Unit:	52 F	58 F
Soil Moisture:	DRY/MST	WET
% Cloud Cover:	25	100

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMD BCOR	ZEAMD BCOR
Stage Scale Used:	BBCH	BBCH
Stage Majority, Percent:	PRE	V3-V4
Height, Unit:		7 IN
Height Minimum, Maximum:		6

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	PANMI W	PANMI W
Stage Minimum, Percent:		4 lvs
Stage Maximum, Percent:		5 lvs
	IN	
Height Minimum, Maximum:		3 7
Density, Unit:		0.5 FT2
Pest 2 Code, Type, Scale:	CHEAL W	CHEAL W
Stage Minimum, Percent:		4 lvs
Stage Maximum, Percent:		7 lvs
	IN	
Height Minimum, Maximum:		0.25 2
Density, Unit:		2 FT2
Pest 3 Code, Type, Scale:	SETFA W	SETFA W
Stage Minimum, Percent:		2 lvs
Stage Maximum, Percent:		4 lvs
Height, Unit:		4 IN
Height Minimum, Maximum:		2 5
Density, Unit:		16 FT2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:		4 lvs
Height, Unit:		3 IN
Height Minimum, Maximum:		1 4
Density, Unit:		1 FT2
Pest 5 Code, Type, Scale:	AMBEL W	AMBEL W
Stage Majority, Percent:		2 lvs
Height, Unit:		2 IN
Height Minimum, Maximum:		1 2
Density, Unit:		1 FT2

Application Equipment

	A	B
Operating Pressure, Unit:	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8003	XR 8002
Nozzle Spacing, Unit:	20 IN	20 IN
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

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Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval				Faber's foxtail May-30-2011 CONTROL %	Faber's foxtail Jun-10-2011 CONTROL %	Faber's foxtail Jun-20-2011 CONTROL %	Faber's foxtail Jun-27-2011 CONTROL %	Faber's foxtail Aug-9-2011 CONTROL %	Faber's foxtail Sep-8-2011 CONTROL %
				26 DP-1	37 DP-1	47 DP-1	54 DP-1	97 DP-1	127 DP-1
Trt No.	Treatment Name	Rate	Appl Code						
1	Nontreated			0	0	0	0	0	0
2	Corvus	5.6 oz/a	A	98 a	97 ab	95 bcd	96 c	93 ab	95 a
	atrazine	1.5 qt/a	A						b
3	Corvus	5.6 oz/a	A	98 a	90 c	92 cde	91 d	89 bc	81 c
	Sharpen	3 fl oz/a	A						d
4	Capreno	4 fl oz/a	A	97 a	87 cd	88 e	90 d	71 d	71 d
5	Capreno	3 fl oz/a	A	87 b	77 e	75 f	79 e	58 e	54 e
	atrazine	1 pt/a	A						
6	Capreno	3 fl oz/a	A	90 b	85 d	90 de	92 d	71 d	72 d
	SureStart	1.5 pt/a	B						
7	Corvus	5.6 oz/a	A	99 a	96 ab	96 abc	96 c	93 ab	92 a
	atrazine	1 pt/a	A						b
8	Capreno	3 fl oz/a	B	0 c	0 f	76 f	90 d	82 c	77 d
	COC	1 % v/v	B						
	AMS	8.5 lb/100 gal	B						
9	Capreno	3 fl oz/a	B	0 c	0 f	100 ab	100 a	100 a	98 a
	Roundup PowerMax	22 fl oz/a	B						b
	AMS	8.5 lb/100 gal	B						
10	Capreno	3 fl oz/a	B	0 c	0 f	90 de	99 abc	94 ab	97 a
	atrazine	1 qt/a	B						b
	COC	1 % v/v	B						
	AMS	8.5 lb/100 gal	B						
11	Capreno	3 fl oz/a	B	0 c	0 f	100 ab	100 ab	100 a	100 a
	atrazine	1 qt/a	B						
	Roundup PowerMax	22 fl oz/a	B						
	AMS	8.5 lb/100 gal	B						
12	Lumax	3 qt/a	A	100 a	98 ab	95 bcd	96 bc	98 ab	95 a
13	Harness Xtra 5.6	2.1 qt/a	A	100 a	95 b	96 abc	97 abc	99 a	95 a
14	Verdict	16 fl oz/a	A	100 a	98 a	95 bcd	96 bc	95 ab	90 b
	atrazine	1 qt/a	A						c
15	Halex GT	3.6 pt/a	B	0 c	0 f	100 a	100 a	100 a	100 a
	Activator 90	0.25 % v/v	B						
	AMS	8.5 lb/100 gal	B						
16	Halex GT	3.6 pt/a	B	0 c	0 f	100 a	100 a	100 a	100 a
	atrazine	1 pt/a	B						
	Activator 90	0.25 % v/v	B						
	AMS	8.5 lb/100 gal	B						
17	SureStart	1.5 pt/a	B	0 c	0 f	99 ab	100 a	98 ab	100 a
	Durango DMA	24 fl oz/a	B						b
	AMS	8.5 lb/100 gal	B						
LSD (P=.10)				3.8	3.7	5.2	3.6	10.1	9.5

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) 1 excluded from analysis.

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Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval				Common lambsqu> May-30-2011 CONTROL % 26 DP-1	Common lambsqu> Jun-10-2011 CONTROL % 37 DP-1	Common lambsqu> Jun-20-2011 CONTROL % 47 DP-1	Common lambsqu> Jun-27-2011 CONTROL % 54 DP-1	
Trt	Treatment	Rate	Appl					
No.	Name	Rate	Unit	Code	4	10	16	20
1	Nontreated				0	0	0	0
2	Corvus	5.6 oz/a	A		100 a	100 a	100 a	100 a
	atrazine	1.5 qt/a	A					
3	Corvus	5.6 oz/a	A		100 a	100 a	100 a	100 a
	Sharpen	3 fl oz/a	A					
4	Capreno	4 fl oz/a	A		100 a	98 b	98 a	98 b
5	Capreno	3 fl oz/a	A		100 a	97 b	99 a	94 c
	atrazine	1 pt/a	A					
6	Capreno	3 fl oz/a	A		100 a	98 ab	100 a	100 a
	SureStart	1.5 pt/a	B					
7	Corvus	5.6 oz/a	A		100 a	100 a	100 a	100 a
	atrazine	1 pt/a	A					
8	Capreno	3 fl oz/a	B		0 c	0 c	97 a	100 a
	COC	1 % v/v	B					
	AMS	8.5 lb/100 gal	B					
9	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	Roundup PowerMax	22 fl oz/a	B					
	AMS	8.5 lb/100 gal	B					
10	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	atrazine	1 qt/a	B					
	COC	1 % v/v	B					
	AMS	8.5 lb/100 gal	B					
11	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	atrazine	1 qt/a	B					
	Roundup PowerMax	22 fl oz/a	B					
	AMS	8.5 lb/100 gal	B					
12	Lumax	3 qt/a	A		100 b	100 a	100 a	100 a
13	Harness Xtra 5.6	2.1 qt/a	A		100 a	100 a	100 a	99 a
14	Verdict	16 fl oz/a	A		100 a	100 a	100 a	100 a
	atrazine	1 qt/a	A					
15	Halex GT	3.6 pt/a	B		0 c	0 c	100 a	100 a
	Activator 90	0.25 % v/v	B					
	AMS	8.5 lb/100 gal	B					
16	Halex GT	3.6 pt/a	B		0 c	0 c	100 a	100 a
	atrazine	1 pt/a	B					
	Activator 90	0.25 % v/v	B					
	AMS	8.5 lb/100 gal	B					
17	SureStart	1.5 pt/a	B		0 c	0 c	100 a	100 a
	Durango DMA	24 fl oz/a	B					
	AMS	8.5 lb/100 gal	B					
LSD (P=.10)					0.1	2.0	2.3	1.6

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) 1 excluded from analysis.

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Pest Name				Common lambsqu>	Common lambsqu>
Rating Date				Aug-9-2011	Sep-8-2011
Rating Type				CONTROL	CONTROL
Rating Unit				%	%
Plant-Eval Interval				97 DP-1	127 DP-1
Trt	Treatment	Rate	Appl		
No.	Name	Unit	Code	25	28
1	Nontreated			0	0
2	Corvus	5.6 oz/a	A	100 a	100 a
	atrazine	1.5 qt/a	A		
3	Corvus	5.6 oz/a	A	100 a	100 a
	Sharpen	3 fl oz/a	A		
4	Capreno	4 fl oz/a	A	95 a	97 a
5	Capreno	3 fl oz/a	A	99 a	99 a
	atrazine	1 pt/a	A		
6	Capreno	3 fl oz/a	A	100 a	100 a
	SureStart	1.5 pt/a	B		
7	Corvus	5.6 oz/a	A	100 a	100 a
	atrazine	1 pt/a	A		
8	Capreno	3 fl oz/a	B	100 a	100 a
	COC	1 % v/v	B		
	AMS	8.5 lb/100 gal	B		
9	Capreno	3 fl oz/a	B	100 a	100 a
	Roundup PowerMax	22 fl oz/a	B		
	AMS	8.5 lb/100 gal	B		
10	Capreno	3 fl oz/a	B	100 a	100 a
	atrazine	1 qt/a	B		
	COC	1 % v/v	B		
	AMS	8.5 lb/100 gal	B		
11	Capreno	3 fl oz/a	B	100 a	100 a
	atrazine	1 qt/a	B		
	Roundup PowerMax	22 fl oz/a	B		
	AMS	8.5 lb/100 gal	B		
12	Lumax	3 qt/a	A	100 a	100 a
13	Harness Xtra 5.6	2.1 qt/a	A	100 a	100 a
14	Verdict	16 fl oz/a	A	100 a	100 a
	atrazine	1 qt/a	A		
15	Halex GT	3.6 pt/a	B	100 a	100 a
	Activator 90	0.25 % v/v	B		
	AMS	8.5 lb/100 gal	B		
16	Halex GT	3.6 pt/a	B	100 a	100 a
	atrazine	1 pt/a	B		
	Activator 90	0.25 % v/v	B		
	AMS	8.5 lb/100 gal	B		
17	SureStart	1.5 pt/a	B	100 a	100 a
	Durango DMA	24 fl oz/a	B		
	AMS	8.5 lb/100 gal	B		
LSD (P=.10)				3.0	1.8

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Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval				Velvetleaf May-30-2011 CONTROL %	Velvetleaf Jun-10-2011 CONTROL %	Velvetleaf Jun-20-2011 CONTROL %	Velvetleaf Jun-27-2011 CONTROL %	Velvetleaf Aug-9-2011 CONTROL %	Velvetleaf Sep-8-2011 CONTROL %
				26 DP-1	37 DP-1	47 DP-1	54 DP-1	97 DP-1	127 DP-1
Trt No.	Treatment Name	Rate Rate Unit	Appl Code						
1	Nontreated			0	0	0	0	0	0
2	Corvus	5.6 oz/a	A	100 a	100 a	100 a	100 a	100 a	100 a
	atrazine	1.5 qt/a	A						
3	Corvus	5.6 oz/a	A	99 a	98 a	100 a	100 a	100 a	99 a
	Sharpen	3 fl oz/a	A						
4	Capreno	4 fl oz/a	A	96 a	91 b	93 c	96 b	87 d	85 b
5	Capreno	3 fl oz/a	A	87 a	91 b	91 c	92 c	95 b	95 a
	atrazine	1 pt/a	A						
6	Capreno	3 fl oz/a	A	89 a	88 bc	97 b	100 a	98 a	100 a
	SureStart	1.5 pt/a	B						
7	Corvus	5.6 oz/a	A	98 a	99 a	100 a	100 a	100 a	100 a
	atrazine	1 pt/a	A						
8	Capreno	3 fl oz/a	B	0 c	0 d	97 ab	100 a	100 a	100 a
	COC	1 % v/v	B						
	AMS	8.5 lb/100 gal	B						
9	Capreno	3 fl oz/a	B	0 c	0 d	99 ab	100 a	100 a	100 a
	Roundup PowerMax	22 fl oz/a	B						
	AMS	8.5 lb/100 gal	B						
10	Capreno	3 fl oz/a	B	0 c	0 d	100 a	100 a	100 a	100 a
	atrazine	1 qt/a	B						
	COC	1 % v/v	B						
	AMS	8.5 lb/100 gal	B						
11	Capreno	3 fl oz/a	B	0 c	0 d	100 a	100 a	100 a	100 a
	atrazine	1 qt/a	B						
	Roundup PowerMax	22 fl oz/a	B						
	AMS	8.5 lb/100 gal	B						
12	Lumax	3 qt/a	A	100 a	100 a	100 a	100 a	100 a	100 a
13	Harness Xtra 5.6	2.1 qt/a	A	49 b	82 c	92 c	93 c	92 c	75 c
14	Verdict	16 fl oz/a	A	99 a	100 a	100 a	98 ab	100 a	100 a
	atrazine	1 qt/a	A						
15	Halex GT	3.6 pt/a	B	0 c	0 d	100 ab	100 a	100 a	100 a
	Activator 90	0.25 % v/v	B						
	AMS	8.5 lb/100 gal	B						
16	Halex GT	3.6 pt/a	B	0 c	0 d	100 a	100 a	100 a	100 a
	atrazine	1 pt/a	B						
	Activator 90	0.25 % v/v	B						
	AMS	8.5 lb/100 gal	B						
17	SureStart	1.5 pt/a	B	0 c	0 d	99 ab	100 a	100 a	100 a
	Durango DMA	24 fl oz/a	B						
	AMS	8.5 lb/100 gal	B						
LSD (P=.10)				17.5	6.7	3.2	2.5	2.2	8.1

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) 1 excluded from analysis.

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Pest Name Rating Date Rating Type Rating Unit Plant-Eval Interval				Hogweed May-30-2011 CONTROL %	Common ragweed Jun-10-2011 CONTROL %	Common ragweed Jun-20-2011 CONTROL %	Hogweed Jun-27-2011 CONTROL %	Common ragweed Aug-9-2011 CONTROL %
				26 DP-1	37 DP-1	47 DP-1	54 DP-1	97 DP-1
Trt No.	Treatment Name	Rate	Appl Unit	Code				
1	Nontreated				0	0	0	0
2	Corvus	5.6 oz/a	A		100 a	100 a	100 a	100 a
	atrazine	1.5 qt/a	A					
3	Corvus	5.6 oz/a	A		100 a	100 a	100 a	100 a
	Sharpen	3 fl oz/a	A					
4	Capreno	4 fl oz/a	A		99 ab	97 b	100 a	99 b
5	Capreno	3 fl oz/a	A		100 a	99 a	100 a	98 c
	atrazine	1 pt/a	A					
6	Capreno	3 fl oz/a	A		100 a	99 a	100 a	100 a
	SureStart	1.5 pt/a	B					
7	Corvus	5.6 oz/a	A		99 b	100 a	100 a	100 a
	atrazine	1 pt/a	A					
8	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	COC	1 % v/v	B					
	AMS	8.5 lb/100 gal	B					
9	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	Roundup PowerMax	22 fl oz/a	B					
	AMS	8.5 lb/100 gal	B					
10	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	atrazine	1 qt/a	B					
	COC	1 % v/v	B					
	AMS	8.5 lb/100 gal	B					
11	Capreno	3 fl oz/a	B		0 c	0 c	100 a	100 a
	atrazine	1 qt/a	B					
	Roundup PowerMax	22 fl oz/a	B					
	AMS	8.5 lb/100 gal	B					
12	Lumax	3 qt/a	A		100 a	100 a	100 a	100 a
13	Harness Xtra 5.6	2.1 qt/a	A		100 a	100 a	100 a	100 ab
14	Verdict	16 fl oz/a	A		100 a	100 a	100 a	100 a
	atrazine	1 qt/a	A					
15	Halex GT	3.6 pt/a	B		0 c	0 c	100 a	100 a
	Activator 90	0.25 % v/v	B					
	AMS	8.5 lb/100 gal	B					
16	Halex GT	3.6 pt/a	B		0 c	0 c	100 a	100 a
	atrazine	1 pt/a	B					
	Activator 90	0.25 % v/v	B					
	AMS	8.5 lb/100 gal	B					
17	SureStart	1.5 pt/a	B		0 c	0 c	100 a	100 a
	Durango DMA	24 fl oz/a	B					
	AMS	8.5 lb/100 gal	B					
LSD (P=.10)				0.9	1.3	0.3	0.8	1.0

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) 1 excluded from analysis.

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Pest Name				Common ragweed
Rating Date				Sep-8-2011
Rating Type				CONTROL
Rating Unit				%
Plant-Eval Interval				127 DP-1
Trt No.	Treatment Name	Rate	Unit	Appl Code
				30
1	Nontreated			0
2	Corvus	5.6	oz/a	A
	atrazine	1.5	qt/a	A
3	Corvus	5.6	oz/a	A
	Sharpen	3	fl oz/a	A
4	Capreno	4	fl oz/a	A
5	Capreno	3	fl oz/a	A
	atrazine	1	pt/a	A
6	Capreno	3	fl oz/a	A
	SureStart	1.5	pt/a	B
7	Corvus	5.6	oz/a	A
	atrazine	1	pt/a	A
8	Capreno	3	fl oz/a	B
	COC	1	% v/v	B
	AMS	8.5	lb/100 gal	B
9	Capreno	3	fl oz/a	B
	Roundup PowerMax	22	fl oz/a	B
	AMS	8.5	lb/100 gal	B
10	Capreno	3	fl oz/a	B
	atrazine	1	qt/a	B
	COC	1	% v/v	B
	AMS	8.5	lb/100 gal	B
11	Capreno	3	fl oz/a	B
	atrazine	1	qt/a	B
	Roundup PowerMax	22	fl oz/a	B
	AMS	8.5	lb/100 gal	B
12	Lumax	3	qt/a	A
13	Harness Xtra 5.6	2.1	qt/a	A
14	Verdict	16	fl oz/a	A
	atrazine	1	qt/a	A
15	Halex GT	3.6	pt/a	B
	Activator 90	0.25	% v/v	B
	AMS	8.5	lb/100 gal	B
16	Halex GT	3.6	pt/a	B
	atrazine	1	pt/a	B
	Activator 90	0.25	% v/v	B
	AMS	8.5	lb/100 gal	B
17	SureStart	1.5	pt/a	B
	Durango DMA	24	fl oz/a	B
	AMS	8.5	lb/100 gal	B
LSD (P=.10)				1.6

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Pest Name				Wild proso mil>	Ladysthumb
Rating Date				Jun-10-2011	Jun-10-2011
Rating Type				CONTROL	CONTROL
Rating Unit				%	%
Plant-Eval Interval				37 DP-1	37 DP-1
Trt No.	Treatment Name	Rate Rate Unit	Appl Code		
1	Nontreated			0	0
2	Corvus	5.6 oz/a	A	100 a	100 a
	atrazine	1.5 qt/a	A		
3	Corvus	5.6 oz/a	A	98 bc	100 a
	Sharpen	3 fl oz/a	A		
4	Capreno	4 fl oz/a	A	97 c	100 a
5	Capreno	3 fl oz/a	A	91 d	100 a
	atrazine	1 pt/a	A		
6	Capreno	3 fl oz/a	A	92 d	100 a
	SureStart	1.5 pt/a	B		
7	Corvus	5.6 oz/a	A	100 a	100 a
	atrazine	1 pt/a	A		
8	Capreno	3 fl oz/a	B	0 e	0 b
	COC	1 % v/v	B		
	AMS	8.5 lb/100 gal	B		
9	Capreno	3 fl oz/a	B	0 e	0 b
	Roundup PowerMax	22 fl oz/a	B		
	AMS	8.5 lb/100 gal	B		
10	Capreno	3 fl oz/a	B	0 e	0 b
	atrazine	1 qt/a	B		
	COC	1 % v/v	B		
	AMS	8.5 lb/100 gal	B		
11	Capreno	3 fl oz/a	B	0 e	0 b
	atrazine	1 qt/a	B		
	Roundup PowerMax	22 fl oz/a	B		
	AMS	8.5 lb/100 gal	B		
12	Lumax	3 qt/a	A	100 a	100 a
13	Harness Xtra 5.6	2.1 qt/a	A	99 ab	100 a
14	Verdict	16 fl oz/a	A	100 a	100 a
	atrazine	1 qt/a	A		
15	Halex GT	3.6 pt/a	B	0 e	0 b
	Activator 90	0.25 % v/v	B		
	AMS	8.5 lb/100 gal	B		
16	Halex GT	3.6 pt/a	B	0 e	0 b
	atrazine	1 pt/a	B		
	Activator 90	0.25 % v/v	B		
	AMS	8.5 lb/100 gal	B		
17	SureStart	1.5 pt/a	B	0 e	0 b
	Durango DMA	24 fl oz/a	B		
	AMS	8.5 lb/100 gal	B		
LSD (P=.10)				2.1	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.

Untreated treatment(s) 1 excluded from analysis.

University of Wisconsin-Madison

Rating Date Rating Type Rating Unit Plant-Eval Interval Crop Name				May-30-2011 PHYCHL % 26 DP-1 Dent corn	Jun-10-2011 PHYCHL % 37 DP-1 Dent corn	Jun-20-2011 PHYGEN % 47 DP-1 Dent corn	Oct-22-2011 Moisture % 171 DP-1 Dent corn	Oct-22-2011 Yield lb 171 DP-1 Dent corn	Oct-22-2011 YIELD BU 171 DP-1 Dent corn	
Trt	Treatment	Rate	Appl							
No.	Name	Rate	Unit	Code	1	7	14	31	32	33
1	Nontreated				0 a	0 a	0 a	15 a	16 d	102.3 d
2	Corvus	5.6 oz/a	A		0 a	0 a	0 a	15 a	35 a	215.4 a
	atrazine	1.5 qt/a	A							
3	Corvus	5.6 oz/a	A		0 a	0 a	0 a	15 a	32 ab	202.6 ab
	Sharpen	3 fl oz/a	A							
4	Capreno	4 fl oz/a	A		0 a	0 a	0 a	15 a	32 bc	199.6 abc
5	Capreno	3 fl oz/a	A		0 a	0 a	0 a	15 a	31 bc	191.5 bc
	atrazine	1 pt/a	A							
6	Capreno	3 fl oz/a	A		0 a	0 a	0 a	15 a	29 c	183.4 c
	SureStart	1.5 pt/a	B							
7	Corvus	5.6 oz/a	A		0 a	0 a	0 a	15 a	32 bc	197.6 bc
	atrazine	1 pt/a	A							
8	Capreno	3 fl oz/a	B		0 a	0 a	0 a	15 a	33 ab	204.7 ab
	COC	1 % v/v	B							
	AMS	8.5 lb/100 gal	B							
9	Capreno	3 fl oz/a	B		0 a	0 a	0 a	15 a	32 ab	201.1 ab
	Roundup PowerMax	22 fl oz/a	B							
	AMS	8.5 lb/100 gal	B							
10	Capreno	3 fl oz/a	B		0 a	0 a	0 a	15 a	31 bc	195.7 bc
	atrazine	1 qt/a	B							
	COC	1 % v/v	B							
	AMS	8.5 lb/100 gal	B							
11	Capreno	3 fl oz/a	B		0 a	0 a	0 a	15 a	32 bc	199.1 abc
	atrazine	1 qt/a	B							
	Roundup PowerMax	22 fl oz/a	B							
	AMS	8.5 lb/100 gal	B							
12	Lumax	3 qt/a	A		0 a	0 a	0 a	15 a	32 ab	201.3 ab
13	Harness Xtra 5.6	2.1 qt/a	A		0 a	0 a	0 a	15 a	31 bc	196.5 bc
14	Verdict	16 fl oz/a	A		0 a	0 a	0 a	15 a	32 ab	200.4 ab
	atrazine	1 qt/a	A							
15	Halex GT	3.6 pt/a	B		0 a	0 a	0 a	15 a	31 bc	194.1 bc
	Activator 90	0.25 % v/v	B							
	AMS	8.5 lb/100 gal	B							
16	Halex GT	3.6 pt/a	B		0 a	0 a	0 a	15 a	31 bc	191.4 bc
	atrazine	1 pt/a	B							
	Activator 90	0.25 % v/v	B							
	AMS	8.5 lb/100 gal	B							
17	SureStart	1.5 pt/a	B		0 a	0 a	0 a	16 a	31 bc	191.5 bc
	Durango DMA	24 fl oz/a	B							
	AMS	8.5 lb/100 gal	B							
LSD (P=.10)					0.0	0.0	0.0	0.5	2.6	16.39

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.