Spacing Within Row, Unit: 6

IN

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 Ν State/Prov.: WI Longitude of LL Corner °: 89.20326 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

Depth, Unit: 1.5 IN Row Spacing, Unit: 30 IN

Seed Bed: SMOOTH smooth

Emergence Date: May-13-2011 Harvested Width, Unit: 5 Harvested Length, Unit: 25

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

Code: ABUTH Abutilon theophrasti Pest 4 Type: W

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

Plot Length, Unit: 25 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: 9 % OM: 3.6 Texture: SIL silt loam % Silt: 68 **pH**: 6 Soil Name: Plano % Clay: 23 Fert. Level: F Soil Drainage: E excellent

Application Description

	Α	В
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

	Α	В
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

	Α		Е	3
Pest 1 Code, Type, Scale:	PANMI	W	PANM	I 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	CHEA	L 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	SETF	A 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	ABUTI	H 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	AMBE	L W
Stage Majority, Percent:			2 lvs	
Height, Unit:			2	IN
Height Minimum, Maximum:			1	2
Density, Unit:			1	FT2

Application Equipment

	Α	В	
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	15	
Spray Volume, Onit.	GAL/A	GAL/A	
Mix Size, Unit:	2.2 Liters	2 Liters	
Propellant:	CO2	CO2	

			Univ	ersi	ity of wis	COUSIII-I	nauisuii			
	Name			-	Faber's foxtail					
	ng Date				May-30-2011	Jun-10-2011	Jun-20-2011	Jun-27-2011		Sep-8-2011
	ng Type ng Unit				CONTROL %	CONTROL %		CONTROL %	CONTROL %	
	t-Eval Interval				26 DP-1	37 DP-1		54 DP-1		
Trt	Treatment		Rate	Appl						
No.	Name	Rate	Unit	Code	3	8	15	19	24	27
	Nontreated				0	0	0	0	0	0
2	Corvus		oz/a	A	98 a	97 ab	95 bcd	96 c	93 ab	95 a b
	atrazine	1.5	qt/a	Α	+		+		+	———
3	Corvus		oz/a	A	98 a	90 c	92 cde	91 d	89 bc	81 ^c
1	Sharpen		fl oz/a	Α	97 a	97 cd	00 0	00.4	71 d	71 d
	Capreno Capreno		fl oz/a fl oz/a	A A	97 a 87 b	87 cd 77 e	88 e 75 f	90 d 79 e	71 d 58 e	71 d 54 e
_	atrazine		pt/a	A	01.5	,, ,	/3 /	190		
6	Capreno SureStart	3	fl oz/a pt/a	A B	90 b	85 d	90 de	92 d	71 d	72 d
<u> </u>					+		+			a
7	Corvus atrazine		oz/a pt/a	Α Δ	99 a	96 ab	96 abc	96 c	93 ab	92 a b
8	Capreno		pt/a fl oz/a	A B	0 c	0 f	76 f	90 d	82 c	77 d
_	COC		11 02/a % v/v	В			/ .	30 G		''
	AMS		/6 v/v lb/100 gal	В				l I	1	[
9	Capreno		fl oz/a	В	0 c	0 f	100 ab	100 a	100 a	98 a
	Roundup PowerMax	22	fl oz/a	В				l I	1	·
	AMS		lb/100 gal	В			1	 -		
10	Capreno		fl oz/a	В	0 c	0 f	90 de	99 abc	94 ab	97 a
	atrazine	1	qt/a	В]	 -	1	_
	COC		% v/v	В]	 -		
	AMS		lb/100 gal	В]	 -	1	
11	Capreno		fl oz/a	В	0 c	0 f	100 ab	100 ab	100 a	100 a
	atrazine		qt/a	В]	 -	1	
	Roundup PowerMax		fl oz/a	В			1	 -		
	AMS	8.5	lb/100 gal	В		I		l	<u> </u>	
12	Lumax	3	qt/a	Α	100 a	98 ab	95 bcd	96 bc	98 ab	95 a b
13	Harness Xtra 5.6	2.1	qt/a	Α	100 a	95 b	96 abc	97 abc	99 a	95 a
14	Verdict	16	fl oz/a	Α	100 a	98 a	95 bcd	96 bc	95 ab	90 b
	atrazine		qt/a	Α		l		<u> </u>	ļ	
15	Halex GT		pt/a	В	0 c	0 f	100 a	100 a	100 a	100 a
	Activator 90		% v/v	В]	 -		
46	AMS		lb/100 gal		2.0	2.4	100 -	100.0	100.0	100.0
70	Halex GT atrazine		pt/a	B B	0 c	0 f	100 a	100 a	100 a	100 a
			pt/a % v/v	B B				 -	1	1
	Activator 90						1	 -		
	AMS		lb/100 gal		+		+			a
17	SureStart		pt/a	В	0 c	0 f	99 ab	100 a	98 ab	100 a
	Durango DMA		fl oz/a	В			1	 -		
	AMS	8.5	lb/100 gal	B	2.0	2.7	5.2	3.6	10.1	0.5
LSD ((P=.10)				3.8	3.7	5.2	3.6	10.1	9.5

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Pest I					Common lambsqu>	Common lambsqu>	Common lambsqu>	Common lambsqu>
	g Date				May-30-2011	Jun-10-2011	Jun-20-2011	Jun-27-2011
	g Type				CONTROL	CONTROL	CONTROL	CONTROL
Rating					% 20 DD 4	%	% 47 DD 4	% 54 DD 4
	Eval Interval		Data	A I	26 DP-1	37 DP-1	47 DP-1	54 DP-1
	Treatment		Rate	Appl	4	40	40	20
	Name Nontreated	Rate	Unit	Code	4 0	10	16	20
	Corvus	5.6	oz/a	Α	100 a	100 a	100 a	100 a
_	atrazine	1.5		A	100 a	100 a	100 a	100 a
3	Corvus		oz/a	A	100 a	100 a	100 a	100 a
	Sharpen		fl oz/a	A	100 a	100 a	100 a	100 a
4	Capreno	_	fl oz/a	A	100 a	98 b	98 a	98 b
	Capreno		fl oz/a	A	100 a	97 b	99 a	94 c
	atrazine		pt/a	Α	.00 a	0. 2	σσ ω	0.0
6	Capreno		fl oz/a	A	100 a	98 ab	100 a	100 a
	SureStart	1.5		В	.00 a	00 00	.00 a	
7	Corvus		oz/a	A	100 a	100 a	100 a	100 a
	atrazine		pt/a	Α	.00 a		.00 a	
8	Capreno		fl oz/a	В	0 c	0 c	97 a	100 a
	COC	_	% v/v	В			٥. ۵	
	AMS		lb/100 gal	В				
9	Capreno		fl oz/a	В	0 c	0 c	100 a	100 a
	Roundup PowerMax		fl oz/a	В		0 0	100 u	100 a
	AMS		lb/100 gal	В				
10	Capreno		fl oz/a	В	0 c	0 c	100 a	100 a
10	atrazine	_	qt/a	В		0 0	100 a	100 a
	COC		% v/v	В				
	AMS		/6 v/v lb/100 gal	В				
11	Capreno		fl oz/a	В	0 c	0 c	100 a	100 a
11	atrazine		gt/a	В	0.0	0.0	100 a	100 a
			•	В				
	Roundup PowerMax		fl oz/a					
40	AMS		lb/100 gal	В	100 1	400	400	400
	Lumax Harness Xtra 5.6	2.1	qt/a	A A	100 b 100 a	100 a 100 a	100 a 100 a	100 a 99 a
	Verdict		q⊬a fl oz/a	A	100 a	100 a	100 a	99 a 100 a
14	atrazine		qt/a	A	100 a	100 α	100 a	100 α
15	Halex GT	3.6	•	В	0 c	0 c	100 a	100 a
13	Activator 90		% v/v	В	0.0	0 0	100 a	100 α
	AMS			В				
16	Halex GT	3.6	lb/100 gal	В	0 c	0 c	100 a	100 a
10			•	В	0.0	0.0	100 a	100 a
	atrazine		pt/a					
	Activator 90		% v/v	В				
	AMS		lb/100 gal	В			100	
17	SureStart	1.5		В	0 c	0 c	100 a	100 a
	Durango DMA		fl oz/a	В				
	AMS	8.5	lb/100 gal	В				
LSD (P=.10)				0.1	2.0	2.3	1.6

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Pest I					Common lambsqu>	Common lambsqu:
	g Date				Aug-9-2011	Sep-8-201
	g Type				CONTROL	CONTRO
	g Unit				% 07.DD.4	407.00
	Eval Interval		D-1-	A I	97 DP-1	127 DP-
Trt	Treatment	Б.	Rate	Appl	0.5	00
No.	Name	Rate	Unit	Code	25	28
	Nontreated Corvus	F 6	oz/a	Α	0 100 a	0 100 a
2	atrazine			A	100 a	100 a
2	Corvus		qt/a oz/a	A	100 a	100 a
3					100 a	100 a
	Sharpen		fl oz/a	A	05 -	07 -
	Capreno		fl oz/a fl oz/a	A	95 a 99 a	97 a
Э	Capreno			A	99 a	99 a
	atrazine		pt/a	A	400 -	400 -
ь	Capreno		fl oz/a	A	100 a	100 a
	SureStart		pt/a	В	400	400
7	Corvus		oz/a	A	100 a	100 a
	atrazine		pt/a	Α		
8	Capreno		fl oz/a	В	100 a	100 a
	COC	1	% v/v	В		
	AMS		lb/100 gal	В		
9	Capreno	3	fl oz/a	В	100 a	100 a
	Roundup PowerMax	22	fl oz/a	В		
	AMS	8.5	lb/100 gal	В		
10	Capreno	3	fl oz/a	В	100 a	100 a
	atrazine	1	qt/a	В		
	COC		% v/v	В		
	AMS		lb/100 gal	В		
11	Capreno		fl oz/a	В	100 a	100 a
1.1	atrazine		gt/a	В	100 a	100 a
			•			
	Roundup PowerMax		fl oz/a	В		
	AMS		lb/100 gal	В		
	Lumax		qt/a	A	100 a	100 a
	Harness Xtra 5.6		qt/a	A	100 a	100 a
14	Verdict	_	fl oz/a	A	100 a	100 a
	atrazine		qt/a	Α		
15	Halex GT		pt/a	В	100 a	100 a
	Activator 90	0.25	% v/v	В		
	AMS	8.5	lb/100 gal	В		
16	Halex GT	3.6	pt/a	В	100 a	100 a
	atrazine	1	pt/a	В		
	Activator 90	0.25	% v/v	В		
	AMS	8.5	lb/100 gal	В		
17	SureStart		pt/a	В	100 a	100 a
.,	Durango DMA		fl oz/a	В	130 a	100 a
	AMS		lb/100 gal	В		
		0.0	ib/ I UU yal	ט	1	

			Ulliv	CI 21	Ly OI WIS		viauisuii			
	Name				Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf
	g Date				May-30-2011	Jun-10-2011	Jun-20-2011	Jun-27-2011	Aug-9-2011	Sep-8-2011
	g Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	g Unit				% 26 DP-1	% 37 DP-1	% 47 DP-1	% 54 DP-1	% 97 DP-1	% 127 DP-1
	-Eval Interval		D-1-	A I	20 DP-1	37 DP-1	47 DP-1	54 DP-1	97 DP-1	121 DP-1
Trt	Treatment	D-1-	Rate	Appl	_	4.4	47	0.4	00	00
No.	Name Nontreated	Rate	Unit	Code	5	11 0	17	21 0	23	29 0
	Corvus	5.6	oz/a	Α	100 a					
	atrazine		qt/a	A	100 a	100 a	100 a	100 a	100 a	100 a
3	Corvus		oz/a	A	99 a	98 a	100 a	100 a	100 a	99 a
	Sharpen		fl oz/a	A	35 a	30 a	100 α	100 α	100 a	55 a
1	Capreno		fl oz/a	A	96 a	91 b	93 c	96 b	87 d	85 b
	Capreno		fl oz/a	A	87 a	91 b	91 c	92 c	95 b	95 a
J	atrazine		pt/a	A	or a	31 5	31 0	32 0	33 B	55 a
6	Capreno		fl oz/a	A	89 a	88 bc	97 b	100 a	98 a	100 a
0	SureStart		pt/a	В	05 a	00 50	37 6	100 α	50 a	100 α
7	Corvus		oz/a	A	98 a	99 a	100 a	100 a	100 a	100 a
'	atrazine		pt/a	A	30 a	33 a	100 a	100 a	100 a	100 a
Ω	Capreno		fl oz/a	В	0 c	0 d	97 ab	100 a	100 a	100 a
0	COC		% v/v	В	0.0	o u	or ab	100 a	100 a	100 a
	AMS									
0			lb/100 gal	В	0.5	0 4	00	100 -	100 -	100 -
9	Capreno		fl oz/a	В	0 c	0 d	99 ab	100 a	100 a	100 a
	Roundup PowerMax		fl oz/a	В						
	AMS		lb/100 gal	В			100	100	100	
10	Capreno		fl oz/a	В	0 c	0 d	100 a	100 a	100 a	100 a
	atrazine		qt/a	В						
	COC		% v/v	В						
	AMS		lb/100 gal	В						
11	Capreno	3	fl oz/a	В	0 c	0 d	100 a	100 a	100 a	100 a
	atrazine	1	qt/a	В						
	Roundup PowerMax	22	fl oz/a	В						
	AMS	8.5	lb/100 gal	В						
12	Lumax	3	qt/a	Α	100 a					
13	Harness Xtra 5.6		qt/a	Α	49 b	82 c	92 c	93 c	92 c	75 c
14	Verdict	16	fl oz/a	Α	99 a	100 a	100 a	98 ab	100 a	100 a
	atrazine	1	qt/a	Α						
15	Halex GT	3.6	pt/a	В	0 с	0 d	100 ab	100 a	100 a	100 a
	Activator 90	0.25	% v/v	В						
	AMS	8.5	lb/100 gal	В						
16	Halex GT	3.6	pt/a	В	0 с	0 d	100 a	100 a	100 a	100 a
	atrazine		pt/a	В						
	Activator 90		% v/v	В						
	AMS		lb/100 gal	В						
17	SureStart		pt/a	В	0 c	0 d	99 ab	100 a	100 a	100 a
''	Durango DMA		fl oz/a	В		0 0	30 45	.50 4	.00 4	100 a
	AMS		lb/100 gal	В						
I SD /	(P=.10)	0.0	ib/ 100 gal	ט	17.5	6.7	3.2	2.5	2.2	8.1
LOU ((F =. 10)				17.5	0.7	3.2	∠.5	۷.۷	6.1

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	Name			Hogweed	Common ragweed	Common ragweed	Hogweed	Common ragweed
	g Date			May-30-2011	Jun-10-2011	Jun-20-2011	Jun-27-2011	Aug-9-2011
	g Type			CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	g Unit			% 26 DP-1	% 37 DP-1	% 47 DP-1	% 54 DP-1	% 97 DP-1
	Eval Interval	Data	ا مما	20 DP-1	37 DP-1	47 DP-1	54 DP-1	97 DP-1
	Treatment	Rate	Appl	6	10	40	22	26
	Name Nontreated	Rate Unit	Code	6	13	18	22	<u>26</u> 0
	Corvus	5.6 oz/a	Α	100 a	100 a	100 a	100 a	100 a
	atrazine	1.5 qt/a	A	100 α	100 α	100 a	100 a	100 α
3	Corvus	5.6 oz/a	A	100 a	100 a	100 a	100 a	100 a
	Sharpen	3 fl oz/a	A	100 a	100 a	100 u	100 a	100 a
4	Capreno	4 fl oz/a	A	99 ab	97 b	100 a	99 b	98 a
	Capreno	3 fl oz/a	A	100 a	99 a	100 a	98 c	100 a
	atrazine	1 pt/a	A	100 u	00 u	100 u		100 a
6	Capreno	3 fl oz/a	A	100 a	99 a	100 a	100 a	100 a
	SureStart	1.5 pt/a	В		30 G		.00 a	.00 4
7	Corvus	5.6 oz/a	A	99 b	100 a	100 a	100 a	100 a
	atrazine	1 pt/a	Α	00.0	.00 a		.00 a	.00 4
8	Capreno	3 fl oz/a	В	0 c	0 с	100 a	100 a	100 a
	COC	1 % v/v	В				.00 a	.00 4
	AMS	8.5 lb/100 gal						
a	Capreno	3 fl oz/a	В	0 c	0 c	100 a	100 a	100 a
	Roundup PowerMax	22 fl oz/a	В	0 0	0 0	100 u	100 a	100 a
	AMS	8.5 lb/100 gal						
10	Capreno	3 fl oz/a	В	0 c	0 c	100 a	100 a	100 a
10	atrazine	1 qt/a	В	0.0	0.0	100 a	100 a	100 α
	COC	1 % v/v	В					
	AMS							
44		8.5 lb/100 gal 3 fl oz/a	B B	0 c	0 c	100 -	100 a	100 -
11	Capreno		В	0.0	0 0	100 a	100 a	100 a
	atrazine	1 qt/a						
	Roundup PowerMax	22 fl oz/a	В					
	AMS	8.5 lb/100 gal						
	Lumax	3 qt/a	A	100 a	100 a	100 a	100 a	100 a
	Harness Xtra 5.6 Verdict	2.1 qt/a 16 fl oz/a	A A	100 a 100 a	100 a 100 a	100 a 100 a	100 ab 100 a	100 a 100 a
14	atrazine	10 11 02/a 1 qt/a	A	100 a	100 a	100 a	100 a	100 a
15	Halex GT	3.6 pt/a	В	0 c	0 c	100 a	100 a	100 a
13	Activator 90	0.25 % v/v	В	0.0	0 0	100 a	100 a	100 a
	AMS							
16		8.5 lb/100 gal		0 c	0.0	100 0	100.0	100 a
16	Halex GT	3.6 pt/a	B B	0 0	0 c	100 a	100 a	100 a
	atrazine	1 pt/a						
	Activator 90	0.25 % v/v	В					
	AMS	8.5 lb/100 gal						
17	SureStart	1.5 pt/a	В	0 c	0 c	100 a	100 a	100 a
	Durango DMA	24 fl oz/a	В					
	AMS	8.5 lb/100 gal	В					
LSD (P=.10)			0.9	1.3	0.3	0.8	1.0

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Pest I	Name				Common ragweed
	g Date				Sep-8-201
	g Type				CONTROL
	g Unit				407.00
	-Eval Interval		D-1-	A I	127 DP-
Trt	Treatment	ъ.	Rate	Appl	00
No.	Name	Rate	Unit	Code	30
	Nontreated Corvus	5.6	oz/a	Α	100 a
_	atrazine		qt/a	A	100 a
3	Corvus		oz/a	A	100 a
3	Sharpen		fl oz/a	A	100 a
1	Capreno		fl oz/a	A	97 a
	Capreno		fl oz/a	A	100 a
Ŭ	atrazine		pt/a	A	100 a
6	Capreno		fl oz/a	A	100 a
Ū	SureStart	-	pt/a	В	100 a
7	Corvus		oz/a	A	100 a
•	atrazine		pt/a	A	100 a
8	Capreno		fl oz/a	В	100 a
U	COC		% v/v	В	100 α
	AMS		lb/100 gal	В	
0	Capreno		fl oz/a	В	100 a
Э	Roundup PowerMax	-	fl oz/a	В	100 a
	•				
40	AMS		lb/100 gal fl oz/a	B B	100 -
10	Capreno			В	100 a
	atrazine		qt/a	_	
	COC		% v/v	В	
	AMS		lb/100 gal	В	
11	Capreno		fl oz/a	В	100 a
	atrazine		qt/a	В	
	Roundup PowerMax	22	fl oz/a	В	
	AMS	8.5	lb/100 gal	В	
	Lumax		qt/a	Α	100 a
	Harness Xtra 5.6		qt/a	A	100 a
14	Verdict		fl oz/a	A	100 a
	atrazine		qt/a	Α	
15	Halex GT		pt/a	В	100 a
	Activator 90		% v/v	В	
	AMS		lb/100 gal	В	
16	Halex GT		pt/a	В	100 a
	atrazine	1	pt/a	В	
	Activator 90	0.25	% v/v	В	
	AMS	8.5	lb/100 gal	В	
17	SureStart		pt/a	В	100 a
	Durango DMA	24	fl oz/a	В	
	AMS		lb/100 gal	В	
I SD /	(P=.10)		Jen		1.

Rating Date Rating Type Rating Unit Plant-Eval Interval Trt Treatment Rate Appl	d proso Jun-10-2 CONT 37 [2011	Ladysthumb Jun-10-2011 CONTROL
Rating Date Rating Type Rating Unit Plant-Eval Interval Trt Treatment Rate Appl	Jun-10-2 CONT	2011 ROL	
Rating Unit Plant-Eval Interval Trt Treatment Rate Appl		_	CONTROL
Plant-Eval Interval Trt Treatment Rate Appl	37 [0/.	
Trt Treatment Rate Appl	3/ L		% 27 DD 4
· ·		JP-1	37 DP-1
N N D 1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1			40
No. Name Rate Unit Code	9 0		12
1 Nontreated 2 Corvus 5.6 oz/a A	100	2	100 a
atrazine 1.5 qt/a A	100	а	100 a
3 Corvus 5.6 oz/a A	98	hc	100 a
Sharpen 3 fl oz/a A	50	bc	100 a
4 Capreno 4 fl oz/a A	97	_	100 a
5 Capreno 3 fl oz/a A	91		100 a
atrazine 1 pt/a A	01	ď	100 a
6 Capreno 3 fl oz/a A	92	Ь	100 a
SureStart 1.5 pt/a B	02	ď	100 a
7 Corvus 5.6 oz/a A	100	2	100 a
atrazine 1 pt/a A	100	ŭ	100 a
8 Capreno 3 fl oz/a B	0	6	0 b
COC 1 % v/v B	U		0.5
AMS 8.5 lb/100 gal B			
9 Capreno 3 fl oz/a B	0	_	0 b
Roundup PowerMax 22 fl oz/a B	U	е	0.0
AMS 8.5 lb/100 gal B		_	0 h
10 Capreno 3 fl oz/a B atrazine 1 ot/a B	0	е	0 b
. 4			
COC 1 % v/v B			
AMS 8.5 lb/100 gal B			
11 Capreno 3 fl oz/a B	0	е	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		100 a
13 Harness Xtra 5.6 2.1 qt/a A	99		100 a
14 Verdict 16 fl oz/a A	100	а	100 a
atrazine 1 qt/a A			
15 Halex GT 3.6 pt/a B	0	е	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	е	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	е	0 b
Durango DMA 24 fl oz/a B			
AMS 8.5 lb/100 gal B			
LSD (P=.10)		2.1	0.0

Datin	g Date			May-30-2011	Jun-10-2011	Jun-20-2011	Oct-22-2011	Oct-22-2011	Oct-22-2011
	g Type			PHYCHL	PHYCHL	PHYGEN	Moisture	Yield	YIELD
	g Unit			%	%	% / W	Wiolatare %	lb	BU
	-Eval Interval			26 DP-1	37 DP-1	47 DP-1	171 DP-1	171 DP-1	171 DP-1
Crop	Name			Dent corn	Dent corn	Dent corn	Dent corn	Dent corn	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	Α	0 a	0 a	0 a	15 a	35 a	215.4 a
	atrazine	1.5 qt/a	Α						
3	Corvus	5.6 oz/a	Α	0 a	0 a	0 a	15 a	32 ab	202.6 ab
	Sharpen	3 fl oz/a	Α						
4	Capreno	4 fl oz/a	Α	0 a	0 a	0 a	15 a	32 bc	199.6 abc
5	Capreno	3 fl oz/a	Α	0 a	0 a	0 a	15 a	31 bc	191.5 bc
	atrazine	1 pt/a	Α						
6	Capreno	3 fl oz/a	Α	0 a	0 a	0 a	15 a	29 c	183.4 c
	SureStart	1.5 pt/a	В						
7	Corvus	5.6 oz/a	Α	0 a	0 a	0 a	15 a	32 bc	197.6 bc
	atrazine	1 pt/a	Α						
8	Capreno	3 fl oz/a	В	0 a	0 a	0 a	15 a	33 ab	204.7 ab
	coc	1 % v/v	В						
	AMS	8.5 lb/100 gal	В						
9	Capreno	3 fl oz/a	В	0 a	0 a	0 a	15 a	32 ab	201.1 ab
	Roundup PowerMax	22 fl oz/a	В	o u	0 4	o u	10 4	02 db	20111 00
	AMS	8.5 lb/100 gal	В						
10	Capreno	3 fl oz/a	В	0 a	0 a	0 a	15 a	31 bc	195.7 bc
10	atrazine	1 qt/a	В	U a	U a	0 a	13 a	31 bc	193.7 DC
		•							
	COC	1 % v/v	В						
	AMS	8.5 lb/100 gal							
11	Capreno	3 fl oz/a	В	0 a	0 a	0 a	15 a	32 bc	199.1 abc
	atrazine	1 qt/a	В						
	Roundup PowerMax	22 fl oz/a	В						
	AMS	8.5 lb/100 gal	В						
12	Lumax	3 qt/a	Α	0 a	0 a	0 a	15 a	32 ab	201.3 ab
	Harness Xtra 5.6	2.1 qt/a	Α	0 a	0 a	0 a	15 a	31 bc	196.5 bc
14	Verdict	16 fl oz/a	Α	0 a	0 a	0 a	15 a	32 ab	200.4 ab
	atrazine	1 qt/a	Α						
15	Halex GT	3.6 pt/a	В	0 a	0 a	0 a	15 a	31 bc	194.1 bc
	Activator 90	0.25 % v/v	В						
	AMS	8.5 lb/100 gal	В						
16	Halex GT	3.6 pt/a	В	0 a	0 a	0 a	15 a	31 bc	191.4 bc
	atrazine	1 pt/a	В						
	Activator 90	0.25 % v/v	В						
	AMS	8.5 lb/100 gal	В						
17	SureStart	1.5 pt/a	В	0 a	0 a	0 a	16 a	31 bc	191.5 bc
17	Durango DMA	24 fl oz/a	В	Ua	U a	U a	10 a	31 00	191.0 00
	•								
1.00	AMS	8.5 lb/100 gal	В		2.2		2 -		10.00
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.