**Burndown Evaluation: Minimum Tillage** 

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

Investigator: V. M. Davis Discipline: H herbicide

**Crop Description** 

ZEAMD Zea mays indentata Crop 1:

Dent corn

Variety: Croplan T8 421 VT3 **BBCH Scale:** BCOR

**Description: VT3** Planting Date: May-6-2011

Planting Method: SEEDED seeded Rate, Unit: 36000 S/A

Depth, Unit: 1.75 IN Row Spacing, Unit: 30 IN

Spacing Within Row, Unit: 5

Seed Bed: MEDTRA

medium/trashy Soil Moisture: MOIST

Emergence Date: May-19-2011

**Pest Description** 

Pest 1 Type: W Code: SETFA Setaria faberi

Common Name: Giant foxtail

Pest 2 Type: W Code: AMBTR Ambrosia trifida

Common Name: Giant ragweed

Pest 3 Type: W Code: VERAR Veronica arvensis

Common Name: Corn speedwell

Pest 4 Type: W Code: CAPBP Capsella bursa-pastoris

Common Name: Shepherd's purse

Code: POROL Portulaca oleracea Pest 5 Type: W

Common Name: Common purslane

Site and Design

Site Type: CROPL Plot Width, Unit: 10

Plot Length, Unit: 25

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

Replications: 4

Soil Description

**Description Name:** Fayette

Texture: SIL silt loam Soil Name: Fayette

**Application Description** 

	Α		
Application Date:	May-7-2011		
Time of Day:	11:50AM		
Application Method:	Broadcast		
Application Timing:	Pre		
Application Placement:	Surface		
Applied By:	T. Trower		
Air Temperature, Unit:	77 F		
% Relative Humidity:	35		
Wind Velocity, Unit:	5 MPH		
Wind Direction:	NE		
Soil Temperature, Unit:	62 F		
Soil Moisture:	DRY/MST		
% Cloud Cover:	50		

**Crop Stage At Each Application** 

	Α
Crop 1 Code, BBCH Scale:	ZEAMD BCOR
Stage Scale Used:	BBCH
Stage Majority, Percent:	Pre

Pest Stage At Each Application

	Α
Pest 1 Code, Type, Scale:	SETFA W
Stage Majority, Percent:	1 If
Height, Unit:	0.25 IN
Pest 2 Code, Type, Scale:	AMBTR W
Stage Majority, Percent:	2 lvs
Height, Unit:	1 IN
Height Minimum, Maximum:	1 2
Density, Unit:	2 FT2
Pest 3 Code, Type, Scale:	VERAR W
Stage Majority, Percent:	2 lv
Height, Unit:	0.5 IN
Height Minimum, Maximum:	0.5 1
Pest 4 Code, Type, Scale:	CAPBP W
Stage Majority, Percent:	Pre
Pest 5 Code, Type, Scale:	POROL W
Stage Majority, Percent:	Pre

**Application Equipment** 

	Α
Appl. Equipment:	BACSPR
Operating Pressure, Unit:	23
Operating Fressure, Onit.	PSI
Nozzle Type:	Flat Fan
Nozzle Size:	TT 11015
Nozzle Spacing, Unit:	20 IN
Boom Length, Unit:	10 FT
Boom Height, Unit:	19 IN
Ground Speed, Unit:	3 MPH
Carrier:	WATER
Spray Volume, Unit:	20
Spray Volume, Onit.	gal/ac
Mix Size, Unit:	2.2 liters
Propellant:	CO2

	Name g Date g Type				Faber's foxtail May-23-2011 CONTROL	Jun-3-2011
Rating					% 17 DP-1	%
Trt	Treatment	Ra	ate	Appl	17 DP-1	20 DP-1
No.	Name	Rate Ur	nit	Code	3	10
	Nontreated	50.0		^	0	0
2	Corvus	5.6 fl o		A A	100 a	100 a
	atrazine COC	1 qt 1 %		A		
3	Corvus	5.6 fl (		A	100 a	100 a
Ü	atrazine	1 qt		A	100 u	100 u
	Roundup PowerMax	22 fl (		Α		
	AMS	8.5 lb/	/100 gal	Α		
4	Corvus	5.6 fl		Α	100 a	100 a
	atrazine	1 qt	/a	Α		
	Ignite 280	22 fl		Α		
	AMS	8.5 lb/	/100 gal	Α		
5	Capreno	3 fl (		Α	100 a	100 a
	COC	1 %		Α		
	AMS		/100 gal	A	400	100
6	Capreno	3 fl o		A A	100 a	100 a
	atrazine COC	1 qt/ 1 %		A		
	AMS					
7	Capreno	6.5 ID/	/100 gal	A	100 a	100 a
,	COC	1 %		A	100 a	100 a
	AMS		/100 gal	Α		
8	Capreno	5 fl (		Α	100 a	100 a
	coc	1 %	v/v	Α		
	AMS	8.5 lb/	/100 gal	Α		
9	Capreno	3 fl		Α	100 a	100 a
	Ignite 280	22 fl		Α		
	AMS		/100 gal	A		
10	Capreno	3 fl (		A	100 a	100 a
	Ignite 280	22 fl (		A		
	Harness AMS	2.1 pt	/a /100 gal	A		
11	Capreno	3 fl (		A	100 a	100 a
	Roundup PowerMax	22 fl		A	100 a	100 a
	AMS		/100 gal	Α		
12	Capreno	3 fl (		Α	100 a	100 a
	Roundup PowerMax	22 fl	oz/a	Α		
	Harness	2.1 pt	/a	Α		
	AMS	8.5 lb/	/100 gal	Α		
	Halex GT	3.8 pt		Α	100 a	100 a
	Activator 90	0.25 %		Α		
	AMS		/100 gal	A		100
14	Harness	2.1 pt		A	100 a	100 a
15	Roundup PowerMax Verdict	22 fl (		A	100 a	100 a
13	MSO	10 11 %		A	100 a	100 a
	Roundup PowerMax	22 fl		A		
	AMS		/100 gal	Α		
			- 3			
LSD (	P=.10)				0.0	0.2

Rating Unit Plant-Eval Interval Trt Treatment No. Name Rate Unit Code 5 12 1 Nontreated 0 2 Corvus 5.6 fl oz/a A 99 a 97 atrazine 1 qt/a A COC 1 % v/v A 3 Corvus 5.6 fl oz/a A 100 a 99 a atrazine 1 qt/a A 100 a 100 a trazine 1 qt/a A 100 a 100 a 100 a trazine 1 qt/a A 100 a 100 a trazine 1 qt/a A 100 a 100 a 100 a trazine 1 qt/a A 100 a 100 a trazine 1 qt/a A 100 a 100 a 100 a trazine 1 qt/a A 100 a 100 a trazine 1 qt/		Name g Date				Crownweed May-23-2011	Crownwee Jun-3-201
Plant-Eval Interval						,	CONTRO
Tract   Treatment   Rate   Rate   Unit   Code   5   12	ating	g Unit					
No. Name						17 DP-1	28 DP
1 Nontreated 2 Corvus 5.6 fl oz/a A atrazine 1 qt/a A COC 1 1 % v/v A 3 Corvus 5.6 fl oz/a A atrazine 1 qt/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A 4 Corvus 5.6 fl oz/a A AMS 8.5 lb/100 gal A 4 Corvus 5.6 fl oz/a A AMS 8.5 lb/100 gal A 4 Corvus 5.6 fl oz/a A AMS 8.5 lb/100 gal A 4 Corvus 5.6 fl oz/a A AMS 8.5 lb/100 gal A 4 Corvus 5.6 fl oz/a A AMS 8.5 lb/100 gal A 4 Corvus 5.6 fl oz/a A AMS 8.5 lb/100 gal A 5 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A 6 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A 6 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A 7 Capreno 4 fl oz/a A AMS 8.5 lb/100 gal A 8 Capreno 5 fl oz/a A AMS 8.5 lb/100 gal A 8 Capreno 6 COC 1 % v/v A AMS 8.5 lb/100 gal A 8 Capreno 7 Capreno 7 fl oz/a A AMS 8.5 lb/100 gal A 8 Capreno 7 fl oz/a A AMS 8.5 lb/100 gal A 8 Capreno 7 fl oz/a A AMS 8.5 lb/100 gal A 8 Capreno 7 fl oz/a A AMS 8.5 lb/100 gal A 9 Capreno 7 fl oz/a A 7 Capreno 7 fl oz/a A 7 Capreno 7 fl oz/a A 7 Capreno 7 fl oz/a A AMS 8.5 lb/100 gal A 8 Capreno 7 fl oz/a A AMS 8.5 lb/100 gal A 9 Capreno 9 Capreno 9 Capreno 9 Capreno 1 fl oz/a A 100 a			Doto			E	10
2 Corvus atrazine 1 qt/a A 99 a 97 atrazine 1 qt/a A COC 1 1 % v/v A 3 Corvus 5.6 ft oz/a A 100 a 98 atrazine 1 qt/a A Roundup PowerMax 22 ft oz/a A 100 a 4 A Roundup PowerMax 8.5 lb/100 gal A 4 Corvus 5.6 ft oz/a A 100 a 100 a atrazine 1 qt/a A Roundup PowerMax 8.5 lb/100 gal A 4 Corvus 5.6 ft oz/a A 100 a 100 a atrazine 1 qt/a A lgnite 280 22 ft oz/a A 91 a 88 COC 1 % v/v A AMS 8.5 lb/100 gal A 91 a 88 COC 1 % v/v A AMS 8.5 lb/100 gal A 98 a 96 a atrazine 1 qt/a A COC 1 % v/v A AMS 8.5 lb/100 gal A 98 a 96 a AMS 8.5 lb/100 gal A 98 a 96 a 84 COC 1 % v/v A AMS 8.5 lb/100 gal A 98 a 90 a 85 lb/100 gal A 90 a 90 a 85 lb/100 gal A 90 a 90 a 85 lb/100 gal A 90			Rate	Uniii	Code		
atrazine			5.6	fl oz/a	Α		97 a
3 Corvus atrazine					Α		
atrazine		COC	1	% v/v	Α		
Roundup PowerMax AMS	3	Corvus	5.6	fl oz/a	Α	100 a	99 a
AMS 8.5 lb/100 gal A 100 a 100 a atrazine 1 qt/a A		atrazine	1	qt/a	Α		
4 Corvus atrazine 1 qt/a A		Roundup PowerMax	22	fl oz/a	Α		
atrazine		AMS	8.5	lb/100 gal	Α		
Ignite 280	4	Corvus	5.6	fl oz/a	Α	100 a	100 a
AMS 8.5 lb/100 gal A 91 a 88 COC 1 % v/v A AMS 8.5 lb/100 gal A 98 a 96 atrazine 1 qt/a A COC 1 % v/v A AMS 8.5 lb/100 gal A 98 a 96 atrazine 1 qt/a A COC 1 % v/v A AMS 8.5 lb/100 gal A 89 a 84 COC 1 % v/v A AMS 8.5 lb/100 gal A 89 a 84 COC 1 % v/v A AMS 8.5 lb/100 gal A 80 COC 1 % v/v A AMS 8.5 lb/100 gal A 80 COC 1 % v/v A AMS 8.5 lb/100 gal A 90 a 85 lg/100 gal A 90 a 90 a 85 lg/100 gal A 90 a 90 a 85 a 90 a 9		atrazine	1	qt/a	Α		
5 Capreno         3 fl oz/a         A         91 a         88           COC         1 % v/v         A         91 a         88           COC         1 % v/v         A         98 a         96           6 Capreno         3 fl oz/a         A         98 a         96           atrazine         1 qt/a         A         89 a         96           AMS         8.5 lb/100 gal         A         89 a         84           COC         1 % v/v         A         89 a         84           COC         1 % v/v         A         89 a         84           COC         1 % v/v         A         93 a         90           8 Capreno         5 fl oz/a         A         93 a         90           COC         1 % v/v         A         90 a         85           Ignite 280         22 fl oz/a         A         90 a         85           Ignite 280         22 fl oz/a         A         95 a         90           Ignite 280         22 fl oz/a         A         94 a         88           AMS         8.5 lb/100 gal         A         95 a         94           10 Capreno         3 fl oz/a         A		Ignite 280	22	fl oz/a	Α		
COC		AMS	8.5	lb/100 gal	Α		
COC	5	Capreno	3	fl oz/a	Α	91 a	88 8
6 Capreno 3 fl oz/a A 98 a 96 a atrazine 1 qt/a A COC 1 % v/v A AMS 8.5 lb/100 gal A  89 a 84 AMS 8.5 lb/100 gal A  89 a 84 AMS 8.5 lb/100 gal A  85 lb/100 gal A  86 Capreno 5 fl oz/a A 93 a 90 COC 1 % v/v A AMS 8.5 lb/100 gal A  87 COC 1 % v/v A AMS 8.5 lb/100 gal A  89 a 85 lg/100 gal A  80 COC 1 % v/v A AMS 8.5 lb/100 gal A  80 Capreno 3 fl oz/a A 90 a 85 lg/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  95 a 90 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  95 a 90 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  80 lgnite 280 3 lgnite 280 AMS 8.5 lb/100 gal A  95 a 94 lgnite 280 3 lgnite 280 AMS 8.5 lb/100 gal A  95 a 94 lgnite 280 AMS 8.5 lb/100 gal A  95 a 94 lgnite 280 AMS 8.5 lb/100 gal A  96 a 93 lgnite 280 AMS 8.5 lb/100 gal A  96 a 93 lgnite 280 AMS 8.5 lb/100 gal A  96 a 93 lgnite 280 AMS 8.5 lb/100 gal A  96 a 93 lgnite 280 AMS 8.5 lb/100 gal A  96 a 93 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 8.5 lb/100 gal A  98 a 94 lgnite 280 AMS 98 a 94 lgnite			1	% v/v	Α		
atrazine		AMS	8.5	lb/100 gal	Α		
COC 1 % v/v A AMS 8.5 lb/100 gal A  7 Capreno 4 fl oz/a A COC 1 % v/v A AMS 8.5 lb/100 gal A  8 Capreno 5 fl oz/a A COC 1 % v/v A AMS 8.5 lb/100 gal A  8 Capreno 5 fl oz/a A COC 1 % v/v A AMS 8.5 lb/100 gal A  9 Capreno 3 fl oz/a A Ignite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  10 Capreno 3 fl oz/a A Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A  12 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A  13 Halex GT Activator 90 0.25 % v/v A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A	6	Capreno	3	fl oz/a	Α	98 a	96 a
AMS 8.5 lb/100 gal A  7 Capreno 4 fl oz/a A 89 a 84 COC 1 % v/v A AMS 8.5 lb/100 gal A  8 Capreno 5 fl oz/a A 93 a 90 COC 1 % v/v A AMS 8.5 lb/100 gal A  9 Capreno 3 fl oz/a A 90 a 85 lgnite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  10 Capreno 3 fl oz/a A 95 a 90 lgnite 280 22 fl oz/a A Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A 94 a 88 Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  12 Capreno 3 fl oz/a A 94 a 88 Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A 96 a 88 Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  16 fl oz/a A 96 a 88 Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A 98 a 94 Roundup PowerMax 22 fl oz/a A		atrazine	1	qt/a	Α		
7 Capreno		COC	1	% v/v	Α		
COC		AMS	8.5	lb/100 gal	Α		
AMS 8.5 lb/100 gal A  8 Capreno 5 fl oz/a A 93 a 90 COC 1 % v/v A AMS 8.5 lb/100 gal A  9 Capreno 3 fl oz/a A 90 a 85 Ignite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  10 Capreno 3 fl oz/a A 95 a 90 Ignite 280 22 fl oz/a A Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A 94 a 88 Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  12 Capreno 3 fl oz/a A 94 a 88 Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  13 Halex GT 3.8 pt/a A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  16 fl oz/a A 96 a 88 AROUNDUP PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  17 Verdict 16 fl oz/a A AROUNDUP PowerMax 22 fl oz/a A	7	Capreno	4	fl oz/a	Α	89 a	84 a
8 Capreno		COC	1	% v/v	Α		
COC 1 % v/v A AMS 8.5 lb/100 gal A  9 Capreno 3 fl oz/a A Ignite 280 22 fl oz/a A AMS 8.5 lb/100 gal A  10 Capreno 3 fl oz/a A Ignite 280 22 fl oz/a A Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  12 Capreno 3 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  13 Halex GT 3.8 pt/a A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  16 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  17 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A		AMS	8.5	lb/100 gal	Α		
AMS       8.5 lb/100 gal       A         9 Capreno       3 fl oz/a       A         1 oz/a       A       90 a         1 oz/a       A         10 Capreno       3 fl oz/a       A         11 capreno       3 fl oz/a       A         12 capreno       3 fl oz/a       A         13 Halex GT       3.8 pt/a       A         AMS       8.5 lb/100 gal       A         13 Halex GT       3.8 pt/a       A         AMS       8.5 lb/100 gal       A         14 Harness       2.1 pt/a       A         Roundup PowerMax       22 fl oz/a       A         15 Verdict       16 fl oz/a       A         MSO       1 % v/v       A         Roundup PowerMax       22 fl oz/a       A </td <td>8</td> <td>Capreno</td> <td>5</td> <td>fl oz/a</td> <td>Α</td> <td>93 a</td> <td>90 a</td>	8	Capreno	5	fl oz/a	Α	93 a	90 a
9 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A  10 Capreno 3 fl oz/a A Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A AMS 8.5 lb/100 gal A  11 Capreno 3 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  12 Capreno 3 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  13 Halex GT 3.8 pt/a A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A AMS 8.5 lb/100 gal A  16 Po a Bo a B		COC	1	% v/v	Α		
Ignite 280   22 fl oz/a   A   AMS   8.5 lb/100 gal   A		AMS	8.5	lb/100 gal	Α		
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Ignite 280   22 fl oz/a   A   Harness   2.1 pt/a   A   AMS   8.5 lb/100 gal   A							
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11 Capreno       3 fl oz/a       A       94 a       88         Roundup PowerMax       22 fl oz/a       A       94 a       88         AMS       8.5 lb/100 gal       A       95 a       94         12 Capreno       3 fl oz/a       A       95 a       94         Roundup PowerMax       22 fl oz/a       A       95 a       94         AMS       8.5 lb/100 gal       A       96 a       93         Activator 90       0.25 % v/v       A       96 a       93         AMS       8.5 lb/100 gal       A       96 a       88         14 Harness       2.1 pt/a       A       96 a       88         Roundup PowerMax       22 fl oz/a       A       98 a       94         MSO       1 % v/v       A       98 a       94         Roundup PowerMax       22 fl oz/a       A       98 a       94		Harness	2.1	pt/a	Α		
Roundup PowerMax       22 fl oz/a       A         AMS       8.5 lb/100 gal       A         12 Capreno       3 fl oz/a       A       95 a       94         Roundup PowerMax       22 fl oz/a       A       A       95 a       94         Roundup PowerMax       22 fl oz/a       A       A       96 a       93         AMS       8.5 lb/100 gal       A       96 a       93         Activator 90       0.25 % v/v       A       A       96 a       88         AMS       8.5 lb/100 gal       A       96 a       88         Roundup PowerMax       22 fl oz/a       A       98 a       94         MSO       1 % v/v       A       98 a       94         Roundup PowerMax       22 fl oz/a       A       98 a       94		AMS	8.5	lb/100 gal	Α		
AMS  8.5 lb/100 gal A  12 Capreno 3 fl oz/a A Roundup PowerMax 22 fl oz/a A Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  13 Halex GT 3.8 pt/a A Activator 90 0.25 % v/v A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A A 96 a 88 Roundup PowerMax 22 fl oz/a A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A  Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A	11	•	_		Α	94 a	88 8
12 Capreno       3 fl oz/a       A       95 a       94         Roundup PowerMax       22 fl oz/a       A         Harness       2.1 pt/a       A         AMS       8.5 lb/100 gal       A         13 Halex GT       3.8 pt/a       A         Activator 90       0.25 % v/v       A         AMS       8.5 lb/100 gal       A         14 Harness       2.1 pt/a       A       96 a       88         Roundup PowerMax       22 fl oz/a       A       98 a       94         MSO       1 % v/v       A       8       98 a       94         Roundup PowerMax       22 fl oz/a       A       8       98 a       94		•					
Roundup PowerMax       22 fl oz/a       A         Harness       2.1 pt/a       A         AMS       8.5 lb/100 gal       A         13 Halex GT       3.8 pt/a       A       96 a       93         Activator 90       0.25 % v/v       A         AMS       8.5 lb/100 gal       A       8       86 a       88         Roundup PowerMax       22 fl oz/a       A       96 a       88         Roundup PowerMax       22 fl oz/a       A       98 a       94         MSO       1 % v/v       A       80       98 a       94         Roundup PowerMax       22 fl oz/a       A       80       98 a       94		_					
Harness 2.1 pt/a A AMS 8.5 lb/100 gal A  13 Halex GT 3.8 pt/a A Activator 90 0.25 % v/v A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A Roundup PowerMax 22 fl oz/a A  15 Verdict 16 fl oz/a A Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A  16 Roundup PowerMax 22 fl oz/a A Roundup PowerMax 22 fl oz/a A	12	•				95 a	94 a
AMS 8.5 lb/100 gal A  13 Halex GT 3.8 pt/a A 96 a 93 Activator 90 0.25 % v/v A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A 96 a 88 Roundup PowerMax 22 fl oz/a A  15 Verdict 16 fl oz/a A 98 a 94 MSO 1 % v/v A Roundup PowerMax 22 fl oz/a A							
13 Halex GT 3.8 pt/a A 96 a 93 Activator 90 0.25 % v/v A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A 96 a 88 Roundup PowerMax 22 fl oz/a A  15 Verdict 16 fl oz/a A 98 a 94 MSO 1 % v/v A Roundup PowerMax 22 fl oz/a A				•	Α		
Activator 90 0.25 % v/v A AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A Roundup PowerMax 22 fl oz/a A  15 Verdict 16 fl oz/a A MSO 1 % v/v A Roundup PowerMax 22 fl oz/a A							
AMS 8.5 lb/100 gal A  14 Harness 2.1 pt/a A 96 a 88 Roundup PowerMax 22 fl oz/a A  15 Verdict 16 fl oz/a A 98 a 94 MSO 1 % v/v A Roundup PowerMax 22 fl oz/a A						96 a	93 a
14 Harness       2.1 pt/a       A       96 a       88         Roundup PowerMax       22 fl oz/a       A       98 a       94         15 Verdict       16 fl oz/a       A       98 a       94         MSO       1 % v/v       A       A       88         Roundup PowerMax       22 fl oz/a       A       A       98 a       94							
Roundup PowerMax         22 fl oz/a         A           15 Verdict         16 fl oz/a         A         98 a         94           MSO         1 % v/v         A         A         Roundup PowerMax         22 fl oz/a         A         A         A         A         B         A         B         B         A         B							
15 Verdict 16 fl oz/a A 98 a 94 MSO 1 % v/v A Roundup PowerMax 22 fl oz/a A	14			•		96 a	88 a
MSO 1 % v/v A Roundup PowerMax 22 fl oz/a A		•				0.0	
Roundup PowerMax 22 fl oz/a A						98 a	94 a
•							
AIVIS 8.5 ID/100 gai A		•					
		AIVIS	8.5	ib/100 gal	А		
SD (P=.10) 7.4							

Pest Nam Rating Da Rating Ty	ate rpe				Shepherd's pur> May-23-2011 CONTROL	Shepherd's pur Jun-3-201 CONTRO
Rating Ur Plant-Eva					% 17 DP-1	28 DP
Γrt Tre No. Nar	eatment me	Rate	Rate Unit	Appl Code	6	13
	ntreated	5.0	<b>(</b> ) / -	Δ.	0	0
2 Cor	rvus azine		fl oz/a qt/a	A A	100 a	100 a
CO			ην <i>α</i> % ν/ν	A		
3 Cor			fl oz/a	A	100 a	100 a
	azine		qt/a	A	100 u	100 6
	undup PowerMax		fl oz/a	Α		
AM	s .	8.5	lb/100 gal	Α		
4 Cor	rvus		fl oz/a	Α	100 a	100 a
atra	azine	1	qt/a	Α		
Ign	ite 280	22	fl oz/a	Α		
AM	S	8.5	lb/100 gal	Α		
5 Cap			fl oz/a	Α	100 a	100 a
CO	-		% v/v	Α		
AM			lb/100 gal	A	400	100
6 Cap			fl oz/a	A A	100 a	100 a
CO	azine					
AM	-			A		
			lb/100 gal fl oz/a	A	100 a	99 8
7 Capr			% v/v	A	100 a	99 6
AM			lb/100 gal	A		
8 Cap			fl oz/a	A	100 a	100 a
CO			% v/v	Α	.σσ α	.00
AM			lb/100 gal	Α		
9 Cap	preno		fl oz/a	Α	100 a	100 a
Ign	ite 280	22	fl oz/a	Α		
AM	S	8.5	lb/100 gal	Α		
10 Cap			fl oz/a	Α	100 a	100 a
_	ite 280		fl oz/a	Α		
	rness		pt/a	Α		
AM			lb/100 gal	Α		
11 Cap			fl oz/a	A	100 a	100 a
	undup PowerMax		fl oz/a	A		
AM 12 Car			lb/100 gal fl oz/a	A	100.0	00.
12 Cap	preno undup PowerMax		fl oz/a	A	100 a	99 a
	rness		pt/a	A		
AM			lb/100 gal	A		
13 Hal			pt/a	A	100 a	100 a
	ivator 90		% v/v	A		.50 (
AM			lb/100 gal	Α		
14 Har			pt/a	Α	100 a	100 a
	undup PowerMax		fl oz/a	Α		
15 Ver			fl oz/a	A	100 a	100 a
MS			% v/v	A		
	undup PowerMax		fl oz/a	A		
AM	5	8.5	lb/100 gal	Α		
SD (P=.	10)				0.0	0

Pest Name				Common purslane	Common purslane
Rating Date				May-23-2011	Jun-3-2011
Rating Type Rating Unit				CONTROL %	CONTROL %
Plant-Eval Interval				17 DP-1	28 DP-1
Trt Treatment		Rate	Appl		
No. Name	Rate	Unit	Code	7	14
1 Nontreated				0	0
2 Corvus		fl oz/a	A	100 a	99 a
atrazine		qt/a	Α		
COC		% v/v	A		
3 Corvus		fl oz/a	A	100 a	100 a
atrazine		qt/a	Α		
Roundup PowerMax		fl oz/a	Α		
AMS		lb/100 gal	Α		
4 Corvus		fl oz/a	A	100 a	100 a
atrazine		qt/a	Α		
Ignite 280		fl oz/a	Α		
AMS		lb/100 gal	Α		
5 Capreno		fl oz/a	Α	96 a	92 a
COC		% v/v	Α		
AMS		lb/100 gal	Α		
6 Capreno		fl oz/a	Α	99 a	98 a
atrazine	1	qt/a	Α		
COC	1	% v/v	Α		
AMS		lb/100 gal	Α		
7 Capreno		fl oz/a	Α	99 a	96 a
COC	1	% v/v	Α		
AMS		lb/100 gal	Α		
8 Capreno		fl oz/a	Α	98 a	98 a
COC	1	% v/v	Α		
AMS		lb/100 gal	Α		
9 Capreno	3	fl oz/a	Α	96 a	94 a
Ignite 280		fl oz/a	Α		
AMS		lb/100 gal	Α		
10 Capreno		fl oz/a	Α	99 a	99 a
Ignite 280		fl oz/a	Α		
Harness	2.1	pt/a	Α		
AMS	8.5	lb/100 gal	Α		
11 Capreno	_	fl oz/a	Α	100 a	100 a
Roundup PowerMax		fl oz/a	Α		
AMS		lb/100 gal	Α		
12 Capreno		fl oz/a	Α	100 a	99 a
Roundup PowerMax	22	fl oz/a	Α		
Harness	2.1	pt/a	Α		
AMS	8.5	lb/100 gal	Α		
13 Halex GT	3.8	pt/a	Α	98 a	98 a
Activator 90	0.25	% v/v	Α		
AMS	8.5	lb/100 gal	Α		
14 Harness	2.1	pt/a	Α	95 a	93 a
Roundup PowerMax		fl oz/a	Α		
15 Verdict		fl oz/a	Α	92 a	89 a
MSO		% v/v	Α		
Roundup PowerMax	22	fl oz/a	Α		
AMS	8.5	lb/100 gal	Α		
LSD (P=.10)				4.6	6.9

			OIII	A C   2	Ly OI V
Pest Name					Velvetle
Rating Date					Jun-3-20° CONTRO
Rating Type Rating Unit					CONTRO
Plant-Eval In	terval				28 DP
Trt Treatn			Rate	Appl	
No. Name		Rate	Unit	Code	15
1 Nontre		F.C	£1/-	Λ.	0
2 Corvus atrazir			fl oz/a	A A	100 a
COC	ie		qt/a	A	
3 Corvus			% v/v fl oz/a	A	100 a
atrazir			qt/a	A	100 8
	lup PowerMax		fl oz/a	A	
AMS	lup i oweriviax		lb/100 ga		
4 Corvus	2		fl oz/a	A	100 a
atrazir			qt/a	A	100 8
Ignite			fl oz/a	A	
AMS	200		lb/100 ga		
5 Capre	00		fl oz/a	Α Α	100 a
COC			11 02/a % v/v	A	100 6
AMS			lb/100 ga		
6 Capre	00		fl oz/a	A	100 a
atrazir			qt/a	A	100 8
COC			% v/v	Α	
AMS			lb/100 ga		
7 Capre	no		fl oz/a	A	100 a
COC			% v/v	A	100 0
AMS			lb/100 ga		
8 Capre	no		fl oz/a	Α Α	100 a
COC		_	% v/v	Α	
AMS		8.5	lb/100 ga	I A	
9 Capre	no		fl oz/a	Α	100 a
Ignite:		22	fl oz/a	Α	
AMS		8.5	lb/100 ga	I A	
10 Capre	no		fl oz/a	Α	100 a
Ignite:		22	fl oz/a	Α	
Harne		2.1	pt/a	Α	
AMS		8.5	lb/100 ga	I A	
11 Capre	no		fl oz/a	Α	100 a
Round	lup PowerMax	22	fl oz/a	Α	
AMS		8.5	lb/100 ga	I A	
12 Capre	no		fl oz/a	Α	100 a
•	lup PowerMax	22	fl oz/a	Α	
Harne	SS	2.1	pt/a	Α	
AMS		8.5	lb/100 ga	I A	
13 Halex	GT		pt/a	Α	100 a
Activa	tor 90	0.25	% v/v	Α	
AMS		8.5	lb/100 ga	I A	
14 Harne	SS		pt/a	Α	99 a
	lup PowerMax		fl oz/a	Α	
15 Verdic	t		fl oz/a	Α	100 a
MSO			% v/v	Α	
Round	lup PowerMax		fl oz/a	Α	
AMS		8.5	lb/100 ga	I A	
SD (P=.10)					0

	g Date g Type				May-23-2011 PHYSTU %	May-23-2011 PHYCHL %	Jun-3-2011 PHYSTU %	Jun-3-2011 PHYCHL %
	Eval Interval				17 DP-1 Dent corn	17 DP-1 Dent corn	28 DP-1 Dent corn	28 DP-1 Dent corn
Trt	Treatment		Rate	Appl				
No.	Name	Rate	Unit	Code	1	2	8	9
	Nontreated	F.0	fl ==/=	^	0 a	0 a	0 a	0 a
2	Corvus		fl oz/a	A	0 a	0 a	0 a	0 a
	atrazine		qt/a	A				
2	COC Corvus		% v/v fl oz/a	A	0 a	0.0	0.0	0.0
3	atrazine		gt/a	A	0 a	0 a	0 a	0 a
			fl oz/a	A				
	Roundup PowerMax AMS							
1	Corvus		lb/100 gal fl oz/a	A	0 a	0 a	0 a	0 a
4	atrazine		qt/a	A	U a	0 a	0 a	U a
	Ignite 280		fl oz/a	A				
	AMS							
	Capreno		lb/100 gal fl oz/a	A	0 a	0 a	0 a	0 a
5	coc	1	% v/v	Α	U a	0 a	Оа	0 a
	AMS		lb/100 gal	Α				
6	Capreno		fl oz/a	A	0 a	0 a	0 a	0 a
	atrazine		qt/a	Α				
	COC		% v/v	Α				
	AMS		lb/100 gal	Α				
7	Capreno		fl oz/a	Α	0 a	0 a	0 a	0 a
	COC		% v/v	Α				
	AMS		lb/100 gal	Α				
8	Capreno COC		fl oz/a % v/v	A A	0 a	0 a	0 a	0 a
	AMS	8.5	lb/100 gal	Α				
9	Capreno	3	fl oz/a	Α	0 a	0 a	0 a	0 a
	Ignite 280	22	fl oz/a	Α				
	AMS	8.5	lb/100 gal	Α				
10	Capreno	3	fl oz/a	Α	0 a	0 a	0 a	0 a
	Ignite 280	22	fl oz/a	Α				
	Harness	2.1	pt/a	Α				
	AMS	8.5	lb/100 gal	Α				
11	Capreno	_	fl oz/a	Α	0 a	0 a	0 a	0 a
	Roundup PowerMax	22	fl oz/a	Α				
	AMS	8.5	lb/100 gal	Α				
12	Capreno		fl oz/a	Α	0 a	0 a	0 a	0 a
	Roundup PowerMax		fl oz/a	Α				
	Harness		pt/a	Α				
	AMS		lb/100 gal	Α				
13	Halex GT		pt/a	Α	0 a	0 a	0 a	0 a
	Activator 90		% v/v	Α				
	AMS		lb/100 gal	A			_	
14	Harness		pt/a	A	0 a	0 a	0 a	0 a
15	Roundup PowerMax		fl oz/a	Α	0.5	0.5	0.0	0.5
15	Verdict MSO		fl oz/a % v/v	A A	0 a	0 a	0 a	0 a
			fl oz/a	A				
	Roundup PowerMax							
	AMS	8.5	lb/100 gal	Α				
I SD /	P=.10)				0.0	0.0	0.0	0.0

	g Date g Type			May-23-2011 CONTROL	Jun-3-2011 CONTROL
Rating	g Unit			%	%
	-Eval Interval			17 DP-1	28 DP-
•	Name	D-1-	A I	corn speedwell	corn speedwel
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	4	11
	Nontreated	Rate Unit	Code	4 0 c	0 c
	Corvus	5.6 fl oz/a	Α	100 a	100 a
	atrazine	1 qt/a	Α		
	COC	1 % v/v	Α		
3	Corvus	5.6 fl oz/a		100 a	100 a
	atrazine	1 qt/a	Α		
	Roundup PowerMax	22 fl oz/a	Α		
	AMS	8.5 lb/100	gal A		
4	Corvus	5.6 fl oz/a		100 a	100 a
	atrazine	1 qt/a	Α		
	Ignite 280	22 fl oz/a	Α		
	AMS	8.5 lb/100	gal A		
5	Capreno	3 fl oz/a	Α	99 b	97 b
	COC	1 % v/v	Α		
	AMS	8.5 lb/100	gal A		
6	Capreno	3 fl oz/a	Α	100 a	100 a
	atrazine	1 qt/a	Α		
	COC	1 % v/v	Α		
	AMS	8.5 lb/100	gal A		
7	Capreno	4 fl oz/a	Α	100 a	100 a
	COC	1 % v/v	Α		
	AMS	8.5 lb/100	<u> </u>		
8	Capreno	5 fl oz/a	Α	100 a	100 a
	COC	1 % v/v	Α		
	AMS	8.5 lb/100			
9	Capreno	3 fl oz/a	A	99 ab	99 a
	Ignite 280	22 fl oz/a	Α		
40	AMS	8.5 lb/100		100 -	100 -
10	Capreno Ignite 280	3 fl oz/a 22 fl oz/a	A A	100 a	100 a
	•		A		
	Harness AMS	2.1 pt/a			
11	Capreno	8.5 lb/100 3 fl oz/a		100 a	100 a
	Roundup PowerMax	22 fl oz/a	A	100 a	100 a
	AMS	8.5 lb/100			
12	Capreno	3 fl oz/a		100 a	100 a
12	Roundup PowerMax	22 fl oz/a		100 a	100 u
	Harness	2.1 pt/a	A		
	AMS	8.5 lb/100			
13	Halex GT	3.8 pt/a	A	100 a	100 a
	Activator 90	0.25 % v/v	A		.00 4
	AMS	8.5 lb/100			
14	Harness	2.1 pt/a	A	100 a	100 a
•	Roundup PowerMax	22 fl oz/a	Α		
15	Verdict	16 fl oz/a		100 a	100 a
	MSO	1 % v/v	Α		
	Roundup PowerMax	22 fl oz/a	Α		
	AMS	8.5 lb/100	gal A		
LSD (	(P=.10)			0.9	1.4