

# The Ohio State University

## Valent extend soybean burndown programs for marestail

Trial ID: 16 DTSNT2  
 Protocol ID: 16 DTSNT2  
 Project ID: Fierce 64.06-marestail

Location: Western Branch Trial Year: 2016  
 Investigator: Dr. Mark M. Loux  
 Study Director: Bryan Reeb  
 Sponsor Contact: Eric Ott, Valent

### General Trial Information

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

**Latitude of LL Corner °:** 39.85872 N  
**Longitude of LL Corner °:** 83.85872 W  
**Altitude of LL Corner, Unit:** 1089.00 FT

#### Directions:

LR CORNER: 39.85873N, -83.67234W; 1087 FT  
 TR CORNER: 39.85820N, -83.67242W; 1087 FT  
 TL CORNER: 39.85817N, -83.67226W; 1091 FT

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Contacts

**Study Director:** Bryan Reeb

**Investigator:** Dr. Mark M. Loux

### Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** AG 34X6  
**Description:** RRX **BBCH Scale:** BSOY

**Planting Rate, Unit:** 119000 S/A  
**Depth, Unit:** 1.5 IN

**Row Spacing, Unit:** 30 IN

**Soil Moisture:** DRY dry

**Seed Bed:** FINTRA fine/trashy

**Planting Date:** 4-25-2016  
**Planting Method:** PLANTD planted  
**Planting Equipment:** PP Plot Planter  
**Emergence Date:** 5-11-2016

### Pest Description

**Pest 1 Type:** W **Code:** LAMPU Lamium purpureum  
**Common Name:** Purple deadnettel

**Pest 2 Type:** W **Code:** SENGL Senecio glabellus  
**Common Name:** Cressleaf groundsel

**Pest 3 Type:** W **Code:** ERYRE Erysimum repandum  
**Common Name:** Bushy wallflower

**Pest 4 Type:** W **Code:** LEPCA Lepidium campestre  
**Common Name:** Field pepperweed

**Pest 5 Type:** W **Code:** CAPBP Capsella bursa-pastoris  
**Common Name:** Shepherd's purse

**Pest 6 Type:** W **Code:** TAROF Taraxacum officinale  
**Common Name:** Common dandelion

**Pest 7 Type:** W **Code:** ERICA Conyza canadensis  
**Common Name:** Canada horseweed

**Pest 8 Type:** W **Code:** SETFA Setaria faberi  
**Common Name:** Giant foxtail

**Pest 9 Type:** W **Code:** AMBEL Ambrosia artemisiifolia  
**Common Name:** Common ragweed

**Pest10 Type:** W **Code:** AMBTR Ambrosia trifida  
**Common Name:** Giant ragweed

### Site and Design

**Treated Plot Width:** 6.67 FT  
**Treated Plot Length:** 30 FT

**Treated Plot Area:** 200.1 FT2 **Treatments:** 8  
**Replications:** 3

**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot

**Tillage Type:** NOTILL no-till  
**Study Design:** RACOB� Randomized Complete Block (RCB)

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### Soil Description

Description Name: F-10 West  
 % OM: 1.5      Texture: SIL      silt loam  
 pH: 5.8      Soil Name: Crosby Silt Loam  
 CEC: 13      Fert. Level: G      good  
 Soil Drainage: G      good

### Application Description

	A	B
Application Date:	4-26-2016	6-8-2016
Appl. Start Time:	9:00 AM	9:00 AM
Appl. Stop Time:	9:30 AM	9:15 AM
Interval to Prev. Appl., Unit:		43 DAYS
Application Method:	SPRAY	SPRAY
Application Timing:	ATPL	EPO 2" WDS
Application Placement:	BROSOI	BROSOI
Applied By:	DOBBELS	REEB
Air Temperature, Unit:	69.8 F	59.7 F
% Relative Humidity:	60	55
Wind Velocity, Unit:	9 MPH	4 MPH
Wind Direction:	W	WNW
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	58 F	62 F
Soil Moisture:	DRY	NORMAL
% Cloud Cover:	15	15
Next Moisture Occurred On:	4-26-2016	6-15-2016
Time to Next Moisture, Unit:	6 HOURS	7 DAYS

### Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		12 60
Stage Minimum, Percent:		11 40
Stage Maximum, Percent:		13 60
Height, Unit:		5 IN
Height Minimum, Maximum:		4 6

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### Pest Stage At Each Application

	A	B
<b>Pest 1 Code, Type, Scale:</b>	LAMPU W	LAMPU W
<b>Stage Majority, Percent:</b>	69	100
<b>Height, Unit:</b>	7 IN	
<b>Height Minimum, Maximum:</b>	6 8	
<b>Density, Unit:</b>	6 m2	
<b>Pest 2 Code, Type, Scale:</b>	SENGL W	SENGL W
<b>Stage Majority, Percent:</b>	65 100	65 100
<b>Height, Unit:</b>	11 IN	13 IN
<b>Height Minimum, Maximum:</b>	10 12	12 14
<b>Density, Unit:</b>	10 m2	
<b>Pest 3 Code, Type, Scale:</b>	ERYRE W	ERYRE W
<b>Stage Majority, Percent:</b>	65 100	
<b>Height, Unit:</b>	11 IN	
<b>Height Minimum, Maximum:</b>	10 12	
<b>Density, Unit:</b>	9 m2	
<b>Pest 4 Code, Type, Scale:</b>	LEPCA W	LEPCA W
<b>Stage Majority, Percent:</b>	65 100	
<b>Height, Unit:</b>	7 IN	
<b>Height Minimum, Maximum:</b>	6 8	
<b>Density, Unit:</b>	1 m2	
<b>Pest 5 Code, Type, Scale:</b>	CAPBP W	CAPBP W
<b>Stage Majority, Percent:</b>	65 100	
<b>Height, Unit:</b>	12 IN	
<b>Height Minimum, Maximum:</b>	12 14	
<b>Density, Unit:</b>	6 m2	
<b>Pest 6 Code, Type, Scale:</b>	TAROF W	TAROF W
<b>Stage Majority, Percent:</b>	65 100	65 100
<b>Diameter, Unit:</b>	5 IN	
<b>Height, Unit:</b>	4 IN	11 IN
<b>Height Minimum, Maximum:</b>	3 4	10 12
<b>Density, Unit:</b>	3 m2	
<b>Pest 7 Code, Type, Scale:</b>	ERICA W	ERICA W
<b>Stage Majority, Percent:</b>	19 100	19 100
<b>Diameter, Unit:</b>	2 IN	
<b>Height, Unit:</b>	2 IN	3 IN
<b>Height Minimum, Maximum:</b>	1 3	2 4
<b>Density, Unit:</b>	17 m2	
<b>Pest 8 Code, Type, Scale:</b>	SETFA W	SETFA W
<b>Stage Majority, Percent:</b>		16 60
<b>Stage Minimum, Percent:</b>		14 40
<b>Stage Maximum, Percent:</b>		16 60
<b>Height, Unit:</b>		5 IN
<b>Height Minimum, Maximum:</b>		4 6
<b>Pest 9 Code, Type, Scale:</b>	AMBEL W	AMBEL W
<b>Stage Majority, Percent:</b>		19 100
<b>Height, Unit:</b>		5 IN
<b>Height Minimum, Maximum:</b>		4 6
<b>Pest10 Code, Type, Scale:</b>	AMBTR W	AMBTR W
<b>Stage Majority, Percent:</b>		19 100
<b>Height, Unit:</b>		8 IN
<b>Height Minimum, Maximum:</b>		6 10

### Application Equipment

	A	B
<b>Appl. Equipment:</b>	6' BACKPACK	6' BACKPACK
<b>Equipment Type:</b>	BACCAI	BACCAI
<b>Operation Pressure, Unit:</b>	44 PSI	44 PSI
<b>Nozzle Type:</b>	TTI	TTI
<b>Nozzle Size:</b>	11015	11015
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN
<b>Nozzles/Row:</b>	4	4
<b>Boom Length, Unit:</b>	6.67 FT	6.67 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 gal/ac	15 gal/ac
<b>Mix Size, Unit:</b>	1 liters	1 liters
<b>Propellant:</b>	COMCO2	COMCO2

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ERYRE	SENGL	ERICA	SETFA	VERAR
Pest Scientific Name	Erysimum repan>	Senecio glabel>	Conyza canadens>	Setaria faberi	Veronica arven>
Pest Name	Bushy wallflow>	Cressleaf grou>	Canada horsewe>	Giant foxtail	Corn speedwell
Rating Date	5-26-2016	5-26-2016	5-26-2016	5-26-2016	5-26-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	1	16	3	4	5
Days After First/Last Applic.	30 30	30 30	30 30	30 30	30 30
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1	31 DP-1
Days After Emergence	15 DE-1	15 DE-1	15 DE-1	15 DE-1	15 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*
1	UTC				0.0 c	0.0 c	0.0 c	0.0 b	0.0 d
2	Roundup Power Max	32 oz/a		A	88.3 b	83.3 b	78.3 b	0.0 b	96.7 ab
	Clarity	1 pt/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
3	Roundup Power Max	32 oz/a		A	100.0 a	93.3 ab	90.0 ab	65.0 a	90.0 abc
	Clarity	1 pt/a		A					
	Valor SX	2.5 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
4	Roundup Power Max	32 oz/a		A	100.0 a	95.0 ab	90.0 ab	68.3 a	86.7 abc
	Clarity	1 pt/a		A					
	Fierce	3 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
5	Roundup Power Max	32 oz/a		A	96.7 a	91.7 ab	88.3 ab	65.0 a	80.0 c
	Clarity	1 pt/a		A					
	Fierce	3 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	Warrant	3 pt/a		B					
	Crop Oil Concentrat	0.6 qt/a		B					
6	Roundup Power Max	32 oz/a		A	100.0 a	96.7 a	88.3 ab	60.0 a	83.3 bc
	V-10404	48 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
7	Roundup Power Max	32 oz/a		A	100.0 a	93.3 ab	83.3 b	16.7 b	100.0 a
	Clarity	1 pt/a		A					
	Metribuzin	8 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	NIS	0.15 qt/a		B					

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 \* Adjusted means  
 Could not calculate LSD (% mean diff) for columns 11,12 because error mean square = 0.

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	ERYRE	SENGL	ERICA	SETFA	VERAR				
Pest Scientific Name	Erysimum repan>	Senecio glabel>	Conyza canad>	Setaria faberi	Veronica arven>				
Pest Name	Bushy wallflow>	Cressleaf grou>	Canada horsewe>	Giant foxtail	Corn speedwell				
Rating Date	5-26-2016	5-26-2016	5-26-2016	5-26-2016	5-26-2016				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
SE Group No.	1	16	3	4	5				
Days After First/Last Applic.	30 30	30 30	30 30	30 30	30 30				
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1	31 DP-1				
Days After Emergence	15 DE-1	15 DE-1	15 DE-1	15 DE-1	15 DE1				
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*
8	Roundup Power Max	32 oz/a		A	100.0 a	86.7 ab	100.0 a	0.0 b	80.0 c
	Clarity	1 pt/a		A					
	Sharpen	1 oz/a		A					
	MSO	0.6 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	NIS	0.15 qt/a		B					
	LSD P=.05				6.00	12.22	12.89	20.14	15.11
	Standard Deviation				3.43	6.98	7.36	11.50	8.63
	CV				4.0	8.72	9.52	33.46	11.19
	Bartlett's X2				0.15	6.127	6.281	6.909	2.502
	P(Bartlett's X2)				0.699	0.409	0.099	0.075	0.776
	Skewness				-2.331*	-2.1868*	-2.1161*	-0.0975	-1.803*
	Kurtosis				3.9106*	3.479*	3.2249*	-2.0555*	2.3397*
	Replicate F				0.797	1.220	0.077	0.496	7.784
	Replicate Prob(F)				0.4699	0.3247	0.9263	0.6192	0.0053
	Treatment F				309.658	65.615	56.129	24.440	41.272
	Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001

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 Project ID: Fierce 64.06-marestail

Location: Western Branch Trial Year: 2016  
 Investigator: Dr. Mark M. Loux  
 Study Director: Bryan Reeb  
 Sponsor Contact: Eric Ott, Valent

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	ERYRE	SENGL	ERICA	SETFA	AMBTR				
Pest Scientific Name	Erysimum repan>	Senecio glabel>	Conyza canaden>	Setaria faberi	Ambrosia trifi>				
Pest Name	Bushy wallflow>	Cressleaf grou>	Canada horsewe>	Giant foxtail	Giant ragweed				
Rating Date	6-10-2016	6-10-2016	6-10-2016	6-10-2016	6-10-2016				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
SE Group No.	6	7	8	9	10				
Days After First/Last Applic.	45 2	45 2	45 2	45 2	45 2				
Plant-Eval Interval	46 DP-1	46 DP-1	46 DP-1	46 DP-1	46 DP-1				
Days After Emergence	30 DE-1	30 DE-1	30 DE-1	30 DE-1	30 DE-1				
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	6*	7*	8*	9*	10*
1	UTC				0.0 d	0.0 c	0.0 b	0.0 -	0.0 b
2	Roundup Power Max	32 oz/a		A	50.0 c	81.7 ab	81.7 a	0.0 -	83.3 a
	Clarity	1 pt/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
3	Roundup Power Max	32 oz/a		A	50.0 c	85.0 ab	85.0 a	10.0 -	76.7 a
	Clarity	1 pt/a		A					
	Valor SX	2.5 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
4	Roundup Power Max	32 oz/a		A	66.7 abc	78.3 b	90.0 a	20.0 -	80.0 a
	Clarity	1 pt/a		A					
	Fierce	3 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
5	Roundup Power Max	32 oz/a		A	66.7 abc	86.7 ab	81.7 a	10.0 -	76.7 a
	Clarity	1 pt/a		A					
	Fierce	3 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	Warrant	3 pt/a		B					
	Crop Oil Concentrat	0.6 qt/a		B					
6	Roundup Power Max	32 oz/a		A	55.0 bc	93.3 a	93.3 a	0.0 -	76.7 a
	V-10404	48 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
7	Roundup Power Max	32 oz/a		A	81.7 a	93.3 a	83.3 a	0.0 -	71.7 a
	Clarity	1 pt/a		A					
	Metribuzin	8 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	NIS	0.15 qt/a		B					

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## Valent extend soybean burndown programs for marestalk

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Location: Western Branch Trial Year: 2016  
 Investigator: Dr. Mark M. Loux  
 Study Director: Bryan Reeb  
 Sponsor Contact: Eric Ott, Valent

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	ERYRE	SENGL	ERICA	SETFA	AMBTR		
Pest Scientific Name	Erysimum repa>	Senecio glabel>	Conyza canaden>	Setaria faberi	Ambrosia trifi>		
Pest Name	Bushy wallflow>	Cressleaf grou>	Canada horsewe>	Giant foxtail	Giant ragweed		
Rating Date	6-10-2016	6-10-2016	6-10-2016	6-10-2016	6-10-2016		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1		
SE Group No.	6	7	8	9	10		
Days After First/Last Applic.	45 2	45 2	45 2	45 2	45 2		
Plant-Eval Interval	46 DP-1	46 DP-1	46 DP-1	46 DP-1	46 DP-1		
Days After Emergence	30 DE-1	30 DE-1	30 DE-1	30 DE-1	30 DE-1		
Trt Treatment No. Name	Other Rate	Other Rate Unit Code	6*	7*	8*	9*	10*
8 Roundup Power Max	32 oz/a	A	75.0 ab	91.7 a	98.3 a	0.0 -	86.7 a
Clarity	1 pt/a	A					
Sharpen	1 oz/a	A					
MSO	0.6 qt/a	A					
Roundup Power Max	32 oz/a	B					
NIS	0.15 qt/a	B					
LSD P=.05			20.10	13.19	22.23	18.13	15.15
Standard Deviation			11.48	7.53	12.69	10.35	8.65
CV			20.63	9.88	16.56	207.02	12.55
Bartlett's X2			4.797	3.26	4.319	0.0	1.418
P(Bartlett's X2)			0.57	0.776	0.634	.	0.922
Skewness			-1.197*	-2.0269*	-1.8168*	1.9104*	-1.9736*
Kurtosis			0.7182	3.04*	2.4563*	1.7922	2.9112*
Replicate F			0.024	4.024	0.239	1.400	1.684
Replicate Prob(F)			0.9766	0.0416	0.7904	0.2791	0.2211
Treatment F			14.498	51.811	18.526	1.600	31.966
Treatment Prob(F)			0.0001	0.0001	0.0001	0.2149	0.0001

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Pest Type	W Weed		W Weed		W Weed		W Weed	
Pest Code	CHEAL		SETFA		AMBTR		ERICA	
Pest Scientific Name	Chenopodium al-		Setaria faberi		Ambrosia trifi>		Conyza canaden>	
Pest Name	Common lambsqu>		Giant foxtail		Giant ragweed		Canada horsewe>	
Rating Date	6-10-2016		6-20-2016		6-20-2016		6-20-2016	
Rating Type	CONTRO		PHYGEN		CONTRO		CONTRO	
Rating Unit	%		%		%		%	
Number of Subsamples	1		1		1		1	
SE Group No.	11		12		13		14	
Days After First/Last Applic.	45 2		55 12		55 12		55 12	
Plant-Eval Interval	46 DP-1		56 DP-1		56 DP-1		56 DP-1	
Days After Emergence	30 DE-1		40 DE1		40 DE-1		40 DE-1	

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	11*	12*	13*	14*	15*
1	UTC				0.0 b	0.0 -	0.0 b	0.0 d	0.0 c
2	Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	86.7 a	91.7 ab	85.0 a
	Clarity	1 pt/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
3	Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	91.7 a	93.3 ab	88.3 a
	Clarity	1 pt/a		A					
	Valor SX	2.5 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
4	Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	90.0 a	90.0 ab	83.3 ab
	Clarity	1 pt/a		A					
	Fierce	3 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
5	Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	88.3 a	96.0 a	86.7 a
	Clarity	1 pt/a		A					
	Fierce	3 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	Warrant	3 pt/a		B					
	Crop Oil Concentrat	0.6 qt/a		B					
6	Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	91.7 a	93.3 ab	91.7 a
	V-10404	48 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	Clarity	1 pt/a		B					
	NIS	0.15 qt/a		B					
7	Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	88.3 a	68.3 c	73.3 b
	Clarity	1 pt/a		A					
	Metribuzin	8 oz/a		A					
	NIS	0.15 qt/a		A					
	Roundup Power Max	32 oz/a		B					
	NIS	0.15 qt/a		B					

# The Ohio State University

## Valent extend soybean burndown programs for marestalk

Trial ID: 16 DTSNT2  
 Protocol ID: 16 DTSNT2  
 Project ID: Fierce 64.06-marestalk

Location: Western Branch Trial Year: 2016  
 Investigator: Dr. Mark M. Loux  
 Study Director: Bryan Reeb  
 Sponsor Contact: Eric Ott, Valent

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	CHEAL	SETFA	AMBTR	ERICA				
Pest Scientific Name	Chenopodium al-	Setaria faberi	Ambrosia trifi>	Conyza canaden>				
Pest Name	Common lambsqu>	Giant foxtail	Giant ragweed	Canada horsewe>				
Rating Date	6-10-2016	6-20-2016	6-20-2016	6-20-2016				
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
SE Group No.	11	12	13	15				
Days After First/Last Applic.	45 2	55 12	55 12	55 12				
Plant-Eval Interval	46 DP-1	56 DP-1	56 DP-1	56 DP-1				
Days After Emergence	30 DE-1	40 DE1	40 DE-1	40 DE-1				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	11*	12*	13*	14*	15*
8 Roundup Power Max	32 oz/a		A	100.0 a	0.0 -	90.0 a	83.3 b	83.3 ab
Clarity	1 pt/a		A					
Sharpen	1 oz/a		A					
MSO	0.6 qt/a		A					
Roundup Power Max	32 oz/a		B					
NIS	0.15 qt/a		B					
LSD P=.05						8.02	10.53	11.32
Standard Deviation				0.00	0.00	4.58	6.01	6.47
CV				0.0	0.0	5.85	7.81	8.74
Bartlett's X2				0.0	0.0	3.006	2.977	3.89
P(Bartlett's X2)				.	.	0.699	0.704	0.565
Skewness				-2.4219*	.	-2.324*	-1.9726*	-2.1511*
Kurtosis				4.2103*	.	3.9166*	2.7199*	3.3381*
Replicate F				0.000	0.000	2.135	4.609	0.772
Replicate Prob(F)				1.0000	1.0000	0.1552	0.0290	0.4807
Treatment F				0.000	0.000	143.660	86.818	66.103
Treatment Prob(F)				1.0000	1.0000	0.0001	0.0001	0.0001

# The Ohio State University

## Valent extend soybean burndown programs for marestail

Trial ID: 16 DTSNT2  
Protocol ID: 16 DTSNT2  
Project ID: Fierce 64.06-marestail

Location: Western Branch Trial Year: 2016  
Investigator: Dr. Mark M. Loux  
Study Director: Bryan Reeb  
Sponsor Contact: Eric Ott, Valent

### Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

### Pest Code

ERYRE, Erysimum repandum, = US  
SENGL, Senecio glabellus, = US  
ERICA, Conyza canadensis, = ERICA, Conyza canadensis,  
SETFA, Setaria faberi, = US  
VERAR, Veronica arvensis, = US  
AMBTR, Ambrosia trifida, = US  
CHEAL, Chenopodium album, = US

### Rating Type

CONTRO = control / burndown or knockdown  
PHYGEN = phytotoxicity - general / injury

### Rating Unit

% = percent

### Plant-Eval Interval

31 DP-1 = 1 GLXMA 4-25-2016  
46 DP-1 = 1 GLXMA 4-25-2016  
56 DP-1 = 1 GLXMA 4-25-2016