

The Ohio State University

Valextr Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valextr Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valextr Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

General Trial Information

Study Director: Anthony Dobbels
Investigator: Dr. Mark M. Loux

Trial Location

City: South Charleston **Country:** USA United States
State/Prov.: Ohio
Postal Code: 45368 **Climate Zone:** USWARM US Warm Continental

Latitude of LL Corner °: 39.85876 N
Longitude of LL Corner °: 83.66998 W
Altitude of LL Corner, Unit: 1016.00 FT

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Anthony Dobbels

Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: ZEAMX Zea mays
Variety: SCS1066AMX
Description: Seed Consultants RR/LL 106 RM
Seed Size, Unit: 2084 S/LB

BBCH Scale: BCOR

Planting Rate, Unit: 32097 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Soil Temperature, Unit: 52 F
Soil Moisture: NORMAL normal, adequate
Seed Bed: MEDIUM medium

Planting Date: 4-20-2016
Planting Method: SEEDED seeded
Planting Equipment: FPP Finger Pickup Planter

Pest Description

Pest 1 Type: W **Code:** ERICA *Conyza canadensis*
Common Name: Canada horseweed

Pest 2 Type: W **Code:** LAMPU *Lamium purpureum*
Common Name: Purple deadnettel

Pest 3 Type: W **Code:** LAMAM *Lamium amplexicaule*
Common Name: Henbit

Pest 4 Type: W **Code:** ERYRE *Erysimum repandum*
Common Name: Bushy wallflower

Pest 5 Type: W **Code:** TAROF *Taraxacum officinale*
Common Name: Common dandelion

Pest 6 Type: W **Code:** VERAR *Veronica arvensis*
Common Name: Corn speedwell

Pest 7 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:** 10
Replications: 3

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: NOTILL no-till
Study Design: RACOB� Randomized Complete Block (RCB)

No. Previous Crop Year
 1. Soybean 2015

Soil Description

Description Name: F-10 East
% OM: 3 **Texture:** SICL silty clay loam
pH: 6 **Soil Name:** Kokomo
CEC: 19.5 **Fert. Level:** G good
Soil Drainage: G good

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Application Description

A
Application Date: 4-14-2016
Appl. Start Time: 9:45 AM
Appl. Stop Time: 10:00 AM
Application Method: SPRAY
Application Timing: 14 EPP
Application Placement: BROFOL
Applied By: Ackley
Air Temperature, Unit: 48 F
% Relative Humidity: 53
Wind Velocity, Unit: 7 MPH
Wind Direction: NNE
Dew Presence (Y/N): N no
Soil Temperature, Unit: 40 F
Soil Moisture: NORMAL
% Cloud Cover: 3

Crop Stage At Each Application

A
Crop 1 Code, BBCH Scale: ZEAMX BCOR

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Stage At Each Application

A

Pest 1 Code, Type, Scale: ERICA W
Stage Majority, Percent: 19 100
Diameter, Unit: 2 IN
Height, Unit: 1 IN
Height Minimum, Maximum: 0.5 1
Density, Unit: 22.66 M2

Pest 2 Code, Type, Scale: LAMPU W
Stage Majority, Percent: 69 100
Diameter, Unit: 6 IN
Height, Unit: 4 IN
Height Minimum, Maximum: 4 6
Density, Unit: 12 M2

Pest 3 Code, Type, Scale: LAMAM W
Stage Majority, Percent: 69 100
Diameter, Unit: 6 IN
Height, Unit: 4 IN
Height Minimum, Maximum: 4 6
Density, Unit: 1 M2

Pest 4 Code, Type, Scale: ERYRE W
Stage Majority, Percent: 51 90
Stage Minimum, Percent: 50 10
Stage Maximum, Percent: 51 90
Diameter, Unit: 6 IN
Height, Unit: 10 IN
Height Minimum, Maximum: 8 12
Density, Unit: 13.33 M2

Pest 5 Code, Type, Scale: TAROF W
Stage Majority, Percent: 63 80
Stage Minimum, Percent: 60 20
Stage Maximum, Percent: 63 80
Diameter, Unit: 6 IN
Height, Unit: 1 IN
Height Minimum, Maximum: 0.5 1
Density, Unit: 0.33 M2

Pest 6 Code, Type, Scale: VERAR W
Stage Majority, Percent: 69 100
Diameter, Unit: 7 IN
Height, Unit: 1 IN
Height Minimum, Maximum: 0.5 1
Density, Unit: 0.66 M2

Pest 7 Code, Type, Scale: AMBTR W
Stage Majority, Percent: 10 90
Stage Minimum, Percent: 10 90
Stage Maximum, Percent: 11 10
Diameter, Unit: 2 IN
Height, Unit: 1 IN
Height Minimum, Maximum: 0.5 1
Density, Unit: 10 M2

Application Equipment

A

Appl. Equipment: 6 FOOT BOOM
Equipment Type: SPRBAC
Operation Pressure, Unit: 46 PSI
Nozzle Type: AI XR
Nozzle Size: 110015
Nozzle Spacing, Unit: 18 IN
Boom Length, Unit: 10 FT
Boom Height, Unit: 20 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 15 GPA
Mix Size, Unit: 1 Liters
Propellant: CO2

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	LAMPU	ERYRE	ERICA	VERAG	TAROF				
Pest Scientific Name	Lamium purpure>	Erysimum repa>	Conyza canadens>	Veronica agres>	Taraxacum offi>				
Pest Name	Purple deadnet>	Bushy wallflow>	Canada horsewe>	Field speedwell	Common dandel>				
Rating Date	4-27-2016	4-27-2016	4-27-2016	4-27-2016	4-27-2016				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
SE Group No.	1	2	3	4	5				
Days After First/Last Applic.	13 13	13 13	13 13	13 13	13 13				
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A				
Plant-Eval Interval	7 DP-1	7 DP-1	7 DP-1	7 DP-1	7 DP-1				
Number of Decimals	0	0	0	0	0				
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*
1	Valetrex	3.5 oz/a		A	37 c	50 d	60 b	23 e	50 bc
	Rimsulfuron	0.67 oz/a		A					
	Tribenuron	0.22 oz/a		A					
	Dicamba	2.63 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
2	Valetrex	3.5 oz/a		A	50 b	62 bcd	67 b	43 cd	65 ab
	Rimsulfuron	0.67 oz/a		A					
	Tribenuron	0.22 oz/a		A					
	Dicamba	2.63 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
3	Valetrex	5.25 oz/a		A	40 bc	50 d	63 b	37 de	40 c
	Rimsulfuron	1 oz/a		A					
	Tribenuron	0.33 oz/a		A					
	Dicamba	3.94 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
4	Valetrex	5.25 oz/a		A	40 bc	67 bc	70 b	86 a	63 abc
	Rimsulfuron	1 oz/a		A					
	Tribenuron	0.33 oz/a		A					
	Dicamba	3.94 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
5	Basis Blend	0.825 oz/a		A	50 b	60 bcd	63 b	34 de	60 abc
	Rimsulfuron	0.67 oz/a		A					
	Thifensulfuron	0.16 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
6	Basis Blend	1.25 oz/a		A	43 bc	55 bcd	60 b	34 de	49 bc
	Rimsulfuron	1 oz/a		A					
	Thifensulfuron	0.25 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
7	2,4-D Ester	1 pt/a		A	40 bc	53 cd	63 b	57 bc	65 ab
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
8	Sharpen	1 oz/a		A	43 bc	90 a	100 a	60 b	87 a
	MSO	1 % v/v		A					
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
9	Liberty	29 oz/a		A	70 a	70 b	93 a	100 a	83 a
	2,4-D Ester	1 pt/a		A					
	N PAK AMS	2.5 % v/v		A					

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.
 Due to missing data, larger LSD values (col. 4: >=16.2 and <=24.7) are used for mean comparisons of treatment pairs with missing data.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 17 because error mean square = 0.

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	LAMPU	ERYRE	ERICA	VERAG	TAROF			
Pest Scientific Name	Lamium purpure>	Erysimum repan>	Conyza canadens>	Veronica agres>	Taraxacum offi>			
Pest Name	Purple deadnet>	Bushy wallflow>	Canada horsewe>	Field speedwell	Common dandel>			
Rating Date	4-27-2016	4-27-2016	4-27-2016	4-27-2016	4-27-2016			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1			
SE Group No.	1	2	3	4	5			
Days After First/Last Applic.	13 13	13 13	13 13	13 13	13 13			
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A			
Plant-Eval Interval	7 DP-1	7 DP-1	7 DP-1	7 DP-1	7 DP-1			
Number of Decimals	0	0	0	0	0			
Trt Treatment	Other	Other	Appl					
No. Name	Rate	Rate	Unit Code	1*	2*	3*	4*	5*
10 UTC				0 d	0 e	0 c	0 f	0 d
LSD P=.05				11.1	15.1	10.3	16.2	21.5
Standard Deviation				6.5	8.8	6.0	9.2	12.2
CV				15.65	15.83	9.41	23.36	26.65
Bartlett's X2				0.969	3.072	2.1	2.427	5.518
P(Bartlett's X2)				0.914	0.80	0.835	0.787	0.479
Skewness				-0.7695	-0.9938*	-1.1471*	0.4095	-0.9335*
Kurtosis				1.7816*	1.7887*	2.0613*	-0.3268	0.4216
Replicate F				2.947	0.333	1.102	1.025	0.236
Replicate Prob(F)				0.0781	0.7214	0.3536	0.3841	0.7931
Treatment F				21.628	20.291	58.122	25.902	10.409
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	ERYRE	ERICA	VERAG	TAROF
Pest Scientific Name	Lamium purpure>	Erysimum repan>	Conyza canadens>	Veronica agres>	Taraxacum offi>
Pest Name	Purple deadnet>	Bushy wallflow>	Canada horsewe>	Field speedwell	Common dandel>
Rating Date	5-12-2016	5-12-2016	5-12-2016	5-12-2016	5-12-2016
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.	28 28	28 28	28 28	28 28	28 28
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A
Plant-Eval Interval	22 DP-1	22 DP-1	22 DP-1	22 DP-1	22 DP-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	6*	7*	8*	9*	10*
1	Valetrex	3.5 oz/a		A	73 cd	85 c	100 a	43 c	99 ab
	Rimsulfuron	0.67 oz/a		A					
	Tribenuron	0.22 oz/a		A					
	Dicamba	2.63 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
2	Valetrex	3.5 oz/a		A	93 a	98 a	93 ab	100 a	82 c
	Rimsulfuron	0.67 oz/a		A					
	Tribenuron	0.22 oz/a		A					
	Dicamba	2.63 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
3	Valetrex	5.25 oz/a		A	81 abc	88 bc	100 a	50 c	74 c
	Rimsulfuron	1 oz/a		A					
	Tribenuron	0.33 oz/a		A					
	Dicamba	3.94 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
4	Valetrex	5.25 oz/a		A	90 ab	95 ab	100 a	102 a	100 a
	Rimsulfuron	1 oz/a		A					
	Tribenuron	0.33 oz/a		A					
	Dicamba	3.94 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
5	Basis Blend	0.825 oz/a		A	70 cd	92 abc	80 b	57 c	88 abc
	Rimsulfuron	0.67 oz/a		A					
	Thifensulfuron	0.16 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
6	Basis Blend	1.25 oz/a		A	77 bcd	98 a	92 ab	50 c	79 c
	Rimsulfuron	1 oz/a		A					
	Thifensulfuron	0.25 oz/a		A					
	2,4-D Ester	1 pt/a		A					
	COC	1 % v/v		A					
7	2,4-D Ester	1 pt/a		A	83 abc	88 bc	93 ab	100 a	85 bc
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
8	Sharpen	1 oz/a		A	67 d	100 a	100 a	87 ab	72 c
	MSO	1 % v/v		A					
	Abundit Extra	32 oz/a		A					
	N PAK AMS	2.5 % v/v		A					
9	Liberty	29 oz/a		A	72 cd	95 ab	100 a	80 b	88 abc
	2,4-D Ester	1 pt/a		A					
	N PAK AMS	2.5 % v/v		A					

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	LAMPU	ERYRE	ERICA	VERAG	TAROF			
Pest Scientific Name	Lamium purpure>	Erysimum repan>	Conyza canadens>	Veronica agres>	Taraxacum offi>			
Pest Name	Purple deadnet>	Bushy wallflow>	Canada horsewe>	Field speedwell	Common dandel>			
Rating Date	5-12-2016	5-12-2016	5-12-2016	5-12-2016	5-12-2016			
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.	28 28	28 28	28 28	28 28	28 28			
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A			
Plant-Eval Interval	22 DP-1	22 DP-1	22 DP-1	22 DP-1	22 DP-1			
Number of Decimals	0	0	0	0	0			
Trt Treatment	Other	Other	Appl					
No. Name	Rate	Rate	Unit Code	6*	7*	8*	9*	10*
10 UTC				0 e	0 d	0 c	0 d	0 d
LSD P=.05				14.1	9.4	15.6	17.4	14.0
Standard Deviation				8.2	5.5	9.1	10.0	7.9
CV				11.67	6.49	10.59	17.05	12.44
Bartlett's X2				2.799	4.048	1.137	2.393	1.444
P(Bartlett's X2)				0.903	0.774	0.768	0.664	0.919
Skewness				-1.8668*	-2.5281*	-2.3849*	-0.5276	-1.9696*
Kurtosis				3.0934*	5.2999*	4.5749*	-0.5868	3.0594*
Replicate F				6.157	3.181	0.373	1.026	1.028
Replicate Prob(F)				0.0092	0.0656	0.6939	0.3822	0.3850
Treatment F				30.481	90.348	34.474	30.339	37.836
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	ERYRE	TAROF	SETFA	CHEAL	AMBTR
Pest Scientific Name	Conyza canadensis	Erysimum repens	Taraxacum officinale	Setaria faberii	Chenopodium album	Ambrosia trifida
Pest Name	Canada horseweed	Bushy wallflower	Common dandelion	Giant foxtail	Common lambsquarters	Giant ragweed
Rating Date	5-26-2016	5-26-2016	5-26-2016	5-26-2016	5-26-2016	5-26-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
SE Group No.	11	12	13	14	15	16
Days After First/Last Applic.	42 42	42 42	42 42	42 42	42 42	42 42
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1	36 DP-1	36 DP-1	36 DP-1
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Other Rate	Other Rate	Appl Unit Code	11*	12*	13*	14*	15*	16*
1	Valetrex	3.5 oz/a		A	96 ab	100 a	101 a	57 abc	60 abc	37 ab
	Rimsulfuron	0.67 oz/a		A						
	Tribenuron	0.22 oz/a		A						
	Dicamba	2.63 oz/a		A						
	2,4-D Ester	1 pt/a		A						
	COC	1 % v/v		A						
2	Valetrex	3.5 oz/a		A	97 ab	100 a	100 a	50 bc	67 ab	37 ab
	Rimsulfuron	0.67 oz/a		A						
	Tribenuron	0.22 oz/a		A						
	Dicamba	2.63 oz/a		A						
	2,4-D Ester	1 pt/a		A						
	Abundit Extra	32 oz/a		A						
	N PAK AMS	2.5 % v/v		A						
3	Valetrex	5.25 oz/a		A	100 a	100 a	101 a	77 a	90 a	43 ab
	Rimsulfuron	1 oz/a		A						
	Tribenuron	0.33 oz/a		A						
	Dicamba	3.94 oz/a		A						
	2,4-D Ester	1 pt/a		A						
	COC	1 % v/v		A						
4	Valetrex	5.25 oz/a		A	100 a	100 a	100 a	37 c	90 a	40 ab
	Rimsulfuron	1 oz/a		A						
	Tribenuron	0.33 oz/a		A						
	Dicamba	3.94 oz/a		A						
	2,4-D Ester	1 pt/a		A						
	Abundit Extra	32 oz/a		A						
	N PAK AMS	2.5 % v/v		A						
5	Basis Blend	0.825 oz/a		A	58 c	100 a	77 a	33 c	57 abc	50 ab
	Rimsulfuron	0.67 oz/a		A						
	Thifensulfuron	0.16 oz/a		A						
	2,4-D Ester	1 pt/a		A						
	COC	1 % v/v		A						
6	Basis Blend	1.25 oz/a		A	60 c	100 a	68 ab	67 ab	90 a	53 a
	Rimsulfuron	1 oz/a		A						
	Thifensulfuron	0.25 oz/a		A						
	2,4-D Ester	1 pt/a		A						
	COC	1 % v/v		A						
7	2,4-D Ester	1 pt/a		A	77 bc	100 a	100 a	7 d	20 de	37 ab
	Abundit Extra	32 oz/a		A						
	N PAK AMS	2.5 % v/v		A						
8	Sharpen	1 oz/a		A	97 ab	100 a	18 bc	7 d	27 cde	27 b
	MSO	1 % v/v		A						
	Abundit Extra	32 oz/a		A						
	N PAK AMS	2.5 % v/v		A						
9	Liberty	29 oz/a		A	73 c	87 b	73 a	7 d	40 bcd	30 ab
	2,4-D Ester	1 pt/a		A						
	N PAK AMS	2.5 % v/v		A						

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	ERICA	ERYRE	TAROF	SETFA	CHEAL	AMBTR			
Pest Scientific Name	Conyza canadens>	Erysimum repans>	Taraxacum offi>	Setaria faberi	Chenopodium al>	Ambrosia trifi>			
Pest Name	Canada horsewe>	Bushy wallflow>	Common dandel>	Giant foxtail	Common lambsqu>	Giant ragweed			
Rating Date	5-26-2016	5-26-2016	5-26-2016	5-26-2016	5-26-2016	5-26-2016			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
SE Group No.	11	12	13	14	15	16			
Days After First/Last Applic.	42 42	42 42	42 42	42 42	42 42	42 42			
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A			
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1	36 DP-1	36 DP-1	36 DP-1			
Number of Decimals	0	0	0	0	0	0			
Trt Treatment	Other	Other	Appl						
No. Name	Rate	Rate	Unit Code	11*	12*	13*	14*	15*	16*
10 UTC	0 d	0 c							
LSD P=.05	20.8	12.5							
Standard Deviation	12.1	7.3							
CV	15.97	8.24							
Bartlett's X2	7.324	0.0							
P(Bartlett's X2)	0.292	.							
Skewness	-1.3968*	-2.5928*							
Kurtosis	1.0209	5.306*							
Replicate F	1.724	1.000							
Replicate Prob(F)	0.2065	0.3874							
Treatment F	19.945	55.583							
Treatment Prob(F)	0.0001	0.0001							

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type
 Pest Code
 Pest Scientific Name
 Pest Name
 Rating Date
 Rating Type
 Rating Unit
 Number of Subsamples 1
 SE Group No. 17
 Days After First/Last Applic.
 Trt-Eval Interval
 Plant-Eval Interval
 Number of Decimals

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Code 17
1	Valetrex	3.5 oz/a			A
	Rimsulfuron	0.67 oz/a			A
	Tribenuron	0.22 oz/a			A
	Dicamba	2.63 oz/a			A
	2,4-D Ester	1 pt/a			A
	COC	1 % v/v			A
2	Valetrex	3.5 oz/a			A
	Rimsulfuron	0.67 oz/a			A
	Tribenuron	0.22 oz/a			A
	Dicamba	2.63 oz/a			A
	2,4-D Ester	1 pt/a			A
	Abundit Extra	32 oz/a			A
	N PAK AMS	2.5 % v/v			A
3	Valetrex	5.25 oz/a			A
	Rimsulfuron	1 oz/a			A
	Tribenuron	0.33 oz/a			A
	Dicamba	3.94 oz/a			A
	2,4-D Ester	1 pt/a			A
	COC	1 % v/v			A
4	Valetrex	5.25 oz/a			A
	Rimsulfuron	1 oz/a			A
	Tribenuron	0.33 oz/a			A
	Dicamba	3.94 oz/a			A
	2,4-D Ester	1 pt/a			A
	Abundit Extra	32 oz/a			A
	N PAK AMS	2.5 % v/v			A
5	Basis Blend	0.825 oz/a			A
	Rimsulfuron	0.67 oz/a			A
	Thifensulfuron	0.16 oz/a			A
	2,4-D Ester	1 pt/a			A
	COC	1 % v/v			A
6	Basis Blend	1.25 oz/a			A
	Rimsulfuron	1 oz/a			A
	Thifensulfuron	0.25 oz/a			A
	2,4-D Ester	1 pt/a			A
	COC	1 % v/v			A
7	2,4-D Ester	1 pt/a			A
	Abundit Extra	32 oz/a			A
	N PAK AMS	2.5 % v/v			A
8	Sharpen	1 oz/a			A
	MSO	1 % v/v			A
	Abundit Extra	32 oz/a			A
	N PAK AMS	2.5 % v/v			A
9	Liberty	29 oz/a			A
	2,4-D Ester	1 pt/a			A
	N PAK AMS	2.5 % v/v			A

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
 Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Marsha Martin, DuPont

Pest Type
 Pest Code
 Pest Scientific Name
 Pest Name
 Rating Date
 Rating Type
 Rating Unit
 Number of Subsamples 1
 SE Group No. 17
 Days After First/Last Applic.
 Trt-Eval Interval
 Plant-Eval Interval
 Number of Decimals

Trt	Treatment	Other	Other	Appl
No.	Name	Rate	Rate	Unit Code
10	UTC			17
LSD	P=.05			.
Standard Deviation				.
CV				.
Bartlett's X2				.
P(Bartlett's X2)				.
Skewness				.
Kurtosis				.

Replicate F
 Replicate Prob(F)
 Treatment F
 Treatment Prob(F)

The Ohio State University

Valetrex Spring Burndown and Residual Control of Winter Annuals

Trial ID: 16Valetrex Location: Western Branch F-10 E Trial Year: 2016
Protocol ID: 16Valetrex Investigator: Dr. Mark M. Loux
Project ID: Study Director: Anthony Dobbels
Sponsor Contact: Marsha Martin, DuPont

Pest Type

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

Pest Code

LAMPU, Lamium purpureum, = US
ERYRE, Erysimum repandum, = US
ERICA, Conyza canadensis, = ERICA, Conyza canadensis,
VERAG, Veronica agrestis, = US
TAROF, Taraxacum officinale, = US
SETFA, Setaria faberi, = US
CHEAL, Chenopodium album, = US
AMBTR, Ambrosia trifida, = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

7 DP-1 = 1 ZEAMX 4-20-2016
22 DP-1 = 1 ZEAMX 4-20-2016
36 DP-1 = 1 ZEAMX 4-20-2016