

The Ohio State University

Multiple MOA programs in No-Till soybeans

Trial ID: 16 MULTIMO A 2
 Protocol ID: 16 MULTIMO A 2
 Project ID: Trcr-06-US-OH-16-09TLE

Location: F-9 Middle Trial Year: 2016
 Investigator: Dr. Mark M. Loux
 Study Director: Bryan Reeb
 Sponsor Contact: Tony Estes, UPI

General Trial Information

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

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: Credenz 3443 LL **BBCH Scale:** BSOY
Description: Liberty Link

Planting Rate, Unit: 150000 S/A

Depth, Unit: 1.5 IN

Row Spacing, Unit: 15 IN

Soil Moisture: GOOD good

Seed Bed: FINTRA fine/trashy

Planting Date: 6-8-2016

Planting Method: PLANTD planted

Planting Equipment: FE Field Equipment

Emergence Date: 6-15-2016

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:** ERICA *Erigeron canadensis*
Common Name: Canada horseweed

Pest 4 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Common lambsquarters

Pest 5 Type: W **Code:** VERAG *Veronica agrestis*
Common Name: Field speedwell

Pest 6 Type: W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed

Site and Design

Treated Plot Width: 6.67 FT

Treated Plot Length: 30 FT

Treated Plot Area: 200.1 FT² **Treatments:** 6

Replications: 3

Site Type: FIELD field

Experimental Unit: 1 PLOT plot

Tillage Type: NOTILL no-till

Study Design: RACOB L Randomized Complete Block (RCB)

Soil Description

Description Name: F-9 West

% OM: 2

pH: 6.2

CEC: 9.7

Texture: SICL silty clay loam

Soil Name: Kokomo

Fert. Level: G good

Soil Drainage: G good

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	A	B	C
Application Date:	5-31-2016	6-8-2016	7-7-2016
Appl. Start Time:	1:00 PM	9:00 AM	1:00 AM
Appl. Stop Time:	1:30 PM	9:15 AM	1:30 AM
Interval to Prev. Appl., Unit:	8 DAYS	29 DAYS	
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	7 EPP	ATPL	POST 1-3"WDS
Application Placement:	BROSOI	BROSOI	BROFOL
Applied By:	REEB	REEB	REEB
Air Temperature, Unit:	87 F	59.7 F	84 F
% Relative Humidity:	36	55	63
Wind Velocity, Unit:	0.5 MPH	4 MPH	5 MPH
Wind Direction:	S	WNW	WSW
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	72 F	62 F	80 F
Soil Moisture:	MOIST	NORMAL	MOIST
% Cloud Cover:	10	15	25
Next Moisture Occurred On:	6-4-2016	6-15-2016	7-13-2016
Time to Next Moisture, Unit:	4 DAYS	7 DAYS	6 DAYS

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA BSOY
Stage Scale Used:			BBCH
Stage Majority, Percent:			14 100
Height, Unit:			9 IN

	A	B	C
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	14 100		23 100
Height, Unit:	3 IN		14 IN
Height Minimum, Maximum:	2 4		
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	19 100		19 100
Height, Unit:	10 IN		15 IN
Height Minimum, Maximum:	6 15		14 16
Pest 3 Code, Type, Scale:	ERICA W	ERICA W	ERICA W
Stage Majority, Percent:	19 100		19 100
Height, Unit:	4 IN		10 IN
Height Minimum, Maximum:	2 6		8 12
Pest 4 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:	19 100		19 100
Height, Unit:	8 IN		10 IN
Height Minimum, Maximum:	5 12		8 12
Pest 5 Code, Type, Scale:	VERAG W	VERAG W	VERAG W
Stage Majority, Percent:	65 100		
Height, Unit:	3 IN		
Height Minimum, Maximum:	2 4		
Pest 6 Code, Type, Scale:	AMARE W	AMARE W	AMARE W
Stage Majority, Percent:			16 60
Stage Minimum, Percent:			18 40
Stage Maximum, Percent:			16 60
Height, Unit:			5 IN
Height Minimum, Maximum:			4 6

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Application Equipment

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

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	AMARE	ERICA	SETFA
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Erigeron canad>	Setaria faberi
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed	Canada horsewe>	Giant foxtail
Rating Date	6-23-2016	6-23-2016	6-23-2016	6-23-2016	6-23-2016	7-5-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
SE Group No.	1	2	3	4	5	6
Days After First/Last Applic.	23 15	23 15	23 15	23 15	23 15	35 27
Plant-Eval Interval	15 DP-1	15 DP-1	15 DP-1	15 DP-1	15 DP-1	27 DP-1
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	8 DE-1	20 DE-1
ARM Action Codes						

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
1	Gramoxone SL	3 pt/a		A	30.0 -	81.7 -	56.7 -	56.7 -	43.3 c	10.0 -
	NIS	0.3 pt/a		A						
	N-pak ams	1.8 qt/a		A						
2	Gramoxone SL	3 pt/a		A	70.0 -	83.3 -	80.0 -	81.7 -	100.0 a	30.0 -
	Tricor	0.376 pt/a		A						
	NIS	0.3 pt/a		A						
	N-pak ams	1.8 qt/a		A						
	Tricor	0.56 pt/a		B						
	Satellite Hydrocap	2 pt/a		B						
	Interline	29 oz/a		C						
3	Ultra Blazer	1.5 pt/a		C						
	Dual II Magnum	21.8 oz/a		C						
	N-pak ams	1.8 qt/a		C						
	Gramoxone SL	3 pt/a		A	55.0 -	83.3 -	68.3 -	88.3 -	96.7 a	16.7 -
	NIS	0.3 pt/a		A						
	N-pak ams	1.8 qt/a		A						
	Tricor	0.75 pt/a		B						
4	Satellite Hydrocap	2 pt/a		B						
	Interline	29 oz/a		C						
	Ultra Blazer	1.5 pt/a		C						
	Dual II Magnum	21.8 oz/a		C						
	N-pak ams	1.8 qt/a		C						
	Gramoxone SL	3 pt/a		A	56.7 -	81.7 -	80.0 -	96.7 -	70.0 b	13.3 -
	NIS	0.3 pt/a		A						
N-pak ams	1.8 qt/a		A							
Tricor	0.75 pt/a		B							
Satellite Hydrocap	2 pt/a		B							
Interline	29 oz/a		C							
Ultra Blazer	1.5 pt/a		C							
N-pak ams	1.8 qt/a		C							

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	AMARE	ERICA	SETFA
Pest Scientific Name	Setaria faberi	Ambrosia trif>	Chenopodium al>	Amaranthus ret>	Erigeron canad>	Setaria faberi
Pest Name	Giant foxtail	Giant ragweed	Common Redroot pigweed	Canada horsewe>	Giant foxtail	
Rating Date	6-23-2016	6-23-2016	6-23-2016	6-23-2016	6-23-2016	7-5-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
SE Group No.	1	2	3	4	5	6
Days After First/Last Applic.	23 15	23 15	23 15	23 15	23 15	35 27
Plant-Eval Interval	15 DP-1	15 DP-1	15 DP-1	15 DP-1	15 DP-1	27 DP-1
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	8 DE-1	20 DE-1
ARM Action Codes						

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
5	Roundup Power Max	32 oz/a		A	78.3 -	85.0 -	99.3 -	73.3 -	95.0 a	33.3 -
	2,4-D	1 pt/a		A						
	Metribuzin	4 oz/a		A						
	Sharpen	1 oz/a		A						
	MSO	0.6 qt/a		A						
	N-pak ams	1.8 qt/a		A						
	Interline	29 oz/a		C						
	Select Max	9 oz/a		C						
	NIS	0.15 qt/a		C						
	N-pak ams	1.8 qt/a		C						
6	Roundup Power Max	32 oz/a		A	78.3 -	91.7 -	96.7 -	91.7 -	96.7 a	26.7 -
	2,4-D	1 pt/a		A						
	Metribuzin	8 oz/a		A						
	Sharpen	1 oz/a		A						
	MSO	0.6 qt/a		A						
	N-pak ams	1.8 qt/a		A						
	Interline	29 oz/a		C						
	Select Max	9 oz/a		C						
	NIS	0.15 qt/a		C						
	N-pak ams	1.8 qt/a		C						
	LSD P=.05				38.51	17.39	30.30	37.57	21.50	47.21
	Standard Deviation				21.17	9.56	16.65	20.65	11.82	25.95
	CV				34.48	11.32	20.77	25.37	14.14	119.76
	Bartlett's X2				3.609	3.751	15.77	9.59	6.953	1.803
	P(Bartlett's X2)				0.607	0.586	0.008*	0.088	0.138	0.876
	Skewness				-0.8057	-0.9297	-1.4241*	-1.6433*	-1.5522*	0.2455
	Kurtosis				0.9964	-0.2269	2.3491*	2.1196*	1.2946	-1.7945
	Replicate F				0.022	17.067	1.856	0.511	1.799	0.099
	Replicate Prob(F)				0.9786	0.0006	0.2063	0.6145	0.2151	0.9066
	Treatment F				2.272	0.462	2.882	1.496	10.936	0.411
	Treatment Prob(F)				0.1262	0.7961	0.0726	0.2743	0.0008	0.8309

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Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	7*	8*	9*	10*	11*
	Pest Type				W Weed	W Weed	W Weed	W Weed	W Weed
	Pest Code				AMBTR	CHEAL	AMARE	ERICA	SETFA
	Pest Scientific Name				Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Erigeron canad>	Setaria faberi
	Pest Name				Giant ragweed	Common lambsqu>	Redroot pigweed	Canada horsewe>	Giant foxtail
	Rating Date				7-5-2016	7-5-2016	7-5-2016	7-5-2016	7-9-2016
	Rating Type				CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
	Rating Unit				%	%	%	%	%
	Number of Subsamples				1	1	1	1	1
	SE Group No.				7	8	9	10	11
	Days After First/Last Applic.				35 27	35 27	35 27	35 27	39 2
	Plant-Eval Interval				27 DP-1	27 DP-1	27 DP-1	27 DP-1	31 DP-1
	Days After Emergence				20 DE-1	20 DE-1	20 DE-1	20 DE-1	24 DE-1
	ARM Action Codes								EC
1	Gramoxone SL	3 pt/a		A	66.7 -	60.0 b	60.0 -	26.7 c	0.0
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
2	Gramoxone SL	3 pt/a		A	63.3 -	66.7 ab	70.0 -	96.7 a	96.7 -
	Tricor	0.376 pt/a		A					
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
	Tricor	0.56 pt/a		B					
	Satellite Hydrocap	2 pt/a		B					
	Interline	29 oz/a		C					
	Ultra Blazer	1.5 pt/a		C					
	Dual II Magnum	21.8 oz/a		C					
	N-pak ams	1.8 qt/a		C					
3	Gramoxone SL	3 pt/a		A	65.0 -	55.0 b	80.0 -	85.0 ab	91.7 -
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
	Tricor	0.75 pt/a		B					
	Satellite Hydrocap	2 pt/a		B					
	Interline	29 oz/a		C					
	Ultra Blazer	1.5 pt/a		C					
	Dual II Magnum	21.8 oz/a		C					
	N-pak ams	1.8 qt/a		C					
4	Gramoxone SL	3 pt/a		A	56.7 -	73.3 ab	95.0 -	60.0 b	91.7 -
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
	Tricor	0.75 pt/a		B					
	Satellite Hydrocap	2 pt/a		B					
	Interline	29 oz/a		C					
	Ultra Blazer	1.5 pt/a		C					
	N-pak ams	1.8 qt/a		C					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMARE	ERICA	SETFA
Pest Scientific Name	Ambrosia trifid	Chenopodium album	Amaranthus retrofractus	Erigeron canadensis	Setaria faberii
Pest Name	Giant ragweed	Common lambsquarters	Redroot pigweed	Canada horseweed	Giant foxtail
Rating Date	7-5-2016	7-5-2016	7-5-2016	7-5-2016	7-9-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	7	8	9	10	11
Days After First/Last Applic.	35 27	35 27	35 27	35 27	39 2
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1	27 DP-1	31 DP-1
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	20 DE-1	24 DE-1
ARM Action Codes					EC

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	7*	8*	9*	10*	11*
5	Roundup Power Max	32 oz/a		A	68.3 -	88.3 a	55.0 -	95.0 a	96.7 -
	2,4-D	1 pt/a		A					
	Metribuzin	4 oz/a		A					
	Sharpen	1 oz/a		A					
	MSO	0.6 qt/a		A					
	N-pak ams	1.8 qt/a		A					
	Interline	29 oz/a		C					
	Select Max	9 oz/a		C					
	NIS	0.15 qt/a		C					
	N-pak ams	1.8 qt/a		C					
6	Roundup Power Max	32 oz/a		A	68.3 -	88.3 a	53.3 -	88.3 ab	98.7 -
	2,4-D	1 pt/a		A					
	Metribuzin	8 oz/a		A					
	Sharpen	1 oz/a		A					
	MSO	0.6 qt/a		A					
	N-pak ams	1.8 qt/a		A					
	Interline	29 oz/a		C					
	Select Max	9 oz/a		C					
	NIS	0.15 qt/a		C					
	N-pak ams	1.8 qt/a		C					
	LSD P=.05				14.82	21.76	45.14	30.61	11.23
	Standard Deviation				8.15	11.96	24.81	16.82	5.97
	CV				12.59	16.62	36.02	22.35	6.28
	Bartlett's X2				1.808	4.906	9.866	9.918	4.215
	P(Bartlett's X2)				0.875	0.427	0.079	0.078	0.378
	Skewness				-0.6677	-0.3457	-1.0378	-1.5093*	-0.7686
	Kurtosis				-0.9112	0.2602	1.7189	1.6916	-0.8909
	Replicate F				41.569	0.301	0.821	0.653	0.485
	Replicate Prob(F)				0.0001	0.7466	0.4675	0.5415	0.6327
	Treatment F				0.874	4.181	1.287	7.860	0.868
	Treatment Prob(F)				0.5313	0.0260	0.3423	0.0031	0.5228

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMARE	ERICA
Pest Scientific Name	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Erigeron canad>
Pest Name	Giant ragweed	Common lambsqu>	Redroot pigweed	Canada horsewe>
Rating Date	7-9-2016	7-9-2016	7-9-2016	7-9-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1 1
SE Group No.	12	13	14	15 17
Days After First/Last Applic.	39 2	39 2	39 2	39 2
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes				

Trit No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	12*	13*	14*	15*	16
1	Gramoxone SL	3 pt/a		A	0.0 b	0.0 c	0.0 b	0.0 c	
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
2	Gramoxone SL	3 pt/a		A	98.3 a	86.7 b	100.0 a	100.0 a	
	Tricor	0.376 pt/a		A					
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
	Tricor	0.56 pt/a		B					
	Satellite Hydrocap	2 pt/a		B					
	Interline	29 oz/a		C					
	Ultra Blazer	1.5 pt/a		C					
	Dual II Magnum	21.8 oz/a		C					
	N-pak ams	1.8 qt/a		C					
3	Gramoxone SL	3 pt/a		A	100.0 a	86.7 b	98.3 a	100.0 a	
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
	Tricor	0.75 pt/a		B					
	Satellite Hydrocap	2 pt/a		B					
	Interline	29 oz/a		C					
	Ultra Blazer	1.5 pt/a		C					
	Dual II Magnum	21.8 oz/a		C					
	N-pak ams	1.8 qt/a		C					
4	Gramoxone SL	3 pt/a		A	96.7 a	88.3 b	100.0 a	96.0 b	
	NIS	0.3 pt/a		A					
	N-pak ams	1.8 qt/a		A					
	Tricor	0.75 pt/a		B					
	Satellite Hydrocap	2 pt/a		B					
	Interline	29 oz/a		C					
	Ultra Blazer	1.5 pt/a		C					
	N-pak ams	1.8 qt/a		C					

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Pest Code	AMBTR	CHEAL	AMARE	ERICA
Pest Scientific Name	Ambrosia trifid	Chenopodium al-	Amaranthus ret-	Erigeron canad-
Pest Name	Giant ragweed	Common lambsqu-	Redroot pigweed	Canada horsewe-
Rating Date	7-9-2016	7-9-2016	7-9-2016	7-9-2016
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	12	13	14	15
Days After First/Last Applic.	39 2	39 2	39 2	39 2
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes				

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	12*	13*	14*	15*	16
5	Roundup Power Max	32 oz/a		A	100.0 a	99.3 a	100.0 a	100.0 a	
	2,4-D	1 pt/a		A					
	Metribuzin	4 oz/a		A					
	Sharpen	1 oz/a		A					
	MSO	0.6 qt/a		A					
	N-pak ams	1.8 qt/a		A					
	Interline	29 oz/a		C					
	Select Max	9 oz/a		C					
	NIS	0.15 qt/a		C					
	N-pak ams	1.8 qt/a		C					
6	Roundup Power Max	32 oz/a		A	100.0 a	100.0 a	98.3 a	100.0 a	
	2,4-D	1 pt/a		A					
	Metribuzin	8 oz/a		A					
	Sharpen	1 oz/a		A					
	MSO	0.6 qt/a		A					
	N-pak ams	1.8 qt/a		A					
	Interline	29 oz/a		C					
	Select Max	9 oz/a		C					
	NIS	0.15 qt/a		C					
	N-pak ams	1.8 qt/a		C					
	LSD P=.05				4.98	10.48	3.18	3.93	.
	Standard Deviation				2.74	5.76	1.75	2.16	.
	CV				3.32	7.5	2.11	2.61	.
	Bartlett's X2				0.857	6.14	0.0	0.0	.
	P(Bartlett's X2)				0.355	0.105			.
	Skewness				-1.9371*	-1.7639*	-1.9482*	-1.9399*	.
	Kurtosis				1.995	1.5989	2.0226	2.0013	.
	Replicate F				0.556	1.824	0.455	1.000	
	Replicate Prob(F)				0.5905	0.2112	0.6472	0.4019	
	Treatment F				654.111	131.553	1615.273	1056.000	
	Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	

The Ohio State University

Multiple MOA programs in No-Till soybeans

Trial ID: 16 MULTIMOA 2
Protocol ID: 16 MULTIMOA 2
Project ID: Trcr-06-US-OH-16-09TLE

Location: F-9 Middle Trial Year: 2016
Investigator: Dr. Mark M. Loux
Study Director: Bryan Reeb
Sponsor Contact: Tony Estes, UPI

Pest Type

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

Pest Code

SETFA, Setaria faberi, = US
AMBTR, Ambrosia trifida, = US
CHEAL, Chenopodium album, = US
AMARE, Amaranthus retroflexus, = US
ERICA, Erigeron canadensis, = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

15 DP-1 = 1 GLXMA 6-8-2016
27 DP-1 = 1 GLXMA 6-8-2016
31 DP-1 = 1 GLXMA 6-8-2016

ARM Action Codes

EC = Do not analyze untreated check, while still reporting treatment mean on AOV Means Table