

Tricor/Ultra Blazer burndown and in crop comparisons in No-Till Soybeans

Trial ID: 15 NTSOY2 Location: G-7 MIDDLE Trial Year: 2015
Protocol ID: 15 NTSOY2 Investigator: Dr. Mark M. Loux
Project ID: Trcr-06-US-OH-15/Wellman Study Director: Bryan Reeb
Sponsor Contact: Tony Estes, UPI; Jim Wellman

General Trial Information

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

Latitude of LL Corner °: 39.8581 N
Longitude of LL Corner °: 83.67571 W

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
Variety: Asgrow 3533
Description: RoundUp Ready

Planting Date: 4-29-2015
Planting Method: PLANTD planted
Planting Equipment: KINZE
Emergence Date: 5-10-2015

Planting Rate, Unit: 175000 S/A
Depth, Unit: 1 IN
Row Spacing, Unit: 15 IN
Soil Temperature, Unit: 63 F
Soil Moisture: SLIWET slightly wet, moist
Seed Bed: MEDTRA medium/trashy

Pest Description

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

Pest 2 Type: W **Code:** STEME *Stellaria media*
Common Name: Common chickweed

Pest 3 Type: W **Code:** TAROF *Taraxacum officinale*
Common Name: Common dandelion

Pest 4 Type: W **Code:** ERPSS *Erophila sp.*
Common Name: Whitlowgrass

Pest 5 Type: W **Code:** ERYRE *Erysimum repandum*
Common Name: Bushy wallflower

Pest 6 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed

Pest 7 Type: W **Code:** VERAG *Veronica agrestis*
Common Name: Field speedwell

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

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: RACOBL Randomized Complete Block (RCB)

Maintenance

No.	Date	Maintenance Product Name	Form Conc	Form Type	Rate	Rate Unit
1.	6-26-2015	Roundup Powermax	4.5	SL	44	OZ

Field Prep./Maintenance:

Overlay of RUP to clean up trial so it can be harvested.

Soil Description

Description Name: G-7 East

% OM: 2.5

pH: 6

CEC: 17.4

Texture: SICL silty clay loam

Soil Name: Crosby

Fert. Level: G good

Soil Drainage: F fair

Application Description

	A	B
Application Date:	4-14-2015	5-22-2015
Appl. Start Time:	4:00 PM	9:00
Appl. Stop Time:	4:30 PM	9:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	14 EPP	EPO 2-3" wds
Application Placement:	BROSOI	BROFOL
Applied By:	Tony/Bruce	Thomas
Air Temperature, Unit:	59 F	55 f
% Relative Humidity:	45	69
Wind Velocity, Unit:	8 MPH	7 MPH
Wind Direction:	NE	WSW
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	52 F	52 F
Soil Moisture:	SLIWET	DRY
% Cloud Cover:	100	0
Next Moisture Occurred On:	4-19-2015	5-26-2015
Time to Next Moisture, Unit:	5 DAY	4 DAY

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		11
Height, Unit:		3 IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	LAMPU W	LAMPU W
Stage Majority, Percent:	65	100
Height, Unit:	2	IN
Height Minimum, Maximum:	1	3
Density, Unit:	1	M2
Pest 2 Code, Type, Scale:	STEME W	STEME W
Stage Majority, Percent:	19	100
Diameter, Unit:	2	IN
Height, Unit:	1	IN
Height Minimum, Maximum:	0.5	1
Density, Unit:	2	M2
Pest 3 Code, Type, Scale:	TAROF W	TAROF W
Stage Majority, Percent:	19	100
Diameter, Unit:	3	IN
Height, Unit:	1	IN
Height Minimum, Maximum:	1	2
Density, Unit:	1	M2
Pest 4 Code, Type, Scale:	ERPSS W	ERPSS W
Stage Majority, Percent:	65	100
Height, Unit:	2	IN
Height Minimum, Maximum:	1	2
Pest 5 Code, Type, Scale:	ERYRE W	ERYRE W
Stage Majority, Percent:	14	100
Height, Unit:	1	IN
Height Minimum, Maximum:	0.5	1
Density, Unit:	1.5	M2
Pest 6 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	10D	100 14
Stage Minimum, Percent:		12
Stage Maximum, Percent:		16
Height, Unit:	1	IN 3 IN
Height Minimum, Maximum:		2 6
Pest 7 Code, Type, Scale:	VERAG W	VERAG W
Density, Unit:	2	M2
Pest 8 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		12
Stage Minimum, Percent:		11
Stage Maximum, Percent:		13
Height, Unit:		3 IN
Height Minimum, Maximum:		2 5

Application Equipment

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

Tricor/Ultra Blazer burndown and in crop comparisons in No-Till Soybeans

Trial ID: 15 NTSOY2 Location: G-7 MIDDLE Trial Year: 2015
Protocol ID: 15 NTSOY2 Investigator: Dr. Mark M. Loux
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Table with columns: Pest Type, Pest Code, Pest Scientific Name, Pest Name, Crop Code, BBCH Scale, Crop Scientific Name, Crop Name, Crop Variety, Description, Part Rated, Rating Date, Rating Type, Rating Unit, Number of Subsamples, Days After First/Last Applic., Trt-Eval Interval, Plant-Eval Interval, Days After Emergence. It lists weeds like Lamium purpure, Stellaria media, Ambrosia trifida, and Setaria faberii.

Main data table with columns: Trt No., Treatment Name, Other Rate, Other Unit, Appl Code, Appl Description, and four columns of mean values (1, 2, 3, 4) with significance letters. Rows include treatments like Roundup Power Max, Tricor, Dual II Magnum, N-pak ams, Ultra Blazer, and COC.

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=3
Could not calculate LSD (% mean diff) for columns 2 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	LAMPU	STEME	AMBTR	SETFA						
Pest Scientific Name	Lamium purpure>	Stellaria media	Ambrosia trifi>	Setaria faberi						
Pest Name	Purple deadnet>	Common chickwe>	Giant ragweed	Giant foxtail						
Crop Code										
BBCH Scale										
Crop Scientific Name										
Crop Name										
Crop Variety										
Description										
Part Rated										
Rating Date	4-28-2015	4-28-2015	4-28-2015	5-21-2015						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Days After First/Last Applic.	14 14	14 14	14 14	37 37						
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	37 DA-A						
Plant-Eval Interval	-1 DP-1	-1 DP-1	-1 DP-1	22 DP-1						
Days After Emergence	-12 DE-1	-12 DE-1	-12 DE-1	11 DE-1						
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Appl Code	Description	1	2	3	4
5	Roundup Power Max	22 oz/a		A	14	EPP	100.0 a	100.0 a	85.0 a	56.7 a
5	Tricor	3 oz/a		A	14	EPP				
5	Boundary	24 oz/a		A	14	EPP				
5	N-pak ams	1.5 qt/a		A	14	EPP				
5	Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
5	Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
5	N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
5	COC	0.6 qt/a		B	EPO	2-3" wds				
6	Roundup Power Max	32 oz/a		A	14	EPP	73.3 b	100.0 a	81.9 a	10.0 d
6	KaPre	1.5 qt/a		A	14	EPP				
6	Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
6	KaPre	3 qt/a		B	EPO	2-3" wds				
7	Roundup Power Max	32 oz/a		A	14	EPP	93.3 a	100.0 a	84.3 a	6.7 d
7	N-pak ams	1.5 qt/a		A	14	EPP				
7	Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
7	N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
8	UTC						0.0 c	0.0 b	0.0 b	0.0 d
	LSD P=.05						7.76	.	18.87	19.53
	Standard Deviation						4.43	0.00	10.70	11.15
	CV						5.32	0.0	14.59	39.37
	Grand Mean						83.33	87.50	73.32	28.33
	Bartlett's X2						0.866	0.0	0.553	1.482
	P(Bartlett's X2)						0.352	.	0.997	0.915
	Skewness						-2.0824*	-2.4219*	-1.8924*	0.1968
	Kurtosis						3.0517*	4.2103*	2.6587*	-0.818
	Replicate F						1.485	0.000	1.825	6.665
	Replicate Prob(F)						0.2601	1.0000	0.2001	0.0093
	Treatment F						186.182	0.000	23.060	10.488
	Treatment Prob(F)						0.0001	1.0000	0.0001	0.0001

				W Weed	W Weed	W Weed	W Weed			
Pest Type				AMBTR	AMARE	SETFA	AMBTR			
Pest Code				Ambrosia trifi>	Amaranthus ret>	Setaria faberi	Ambrosia trifi>			
Pest Scientific Name				Giant ragweed	Redroot pigweed	Giant foxtail	Giant ragweed			
Pest Name										
Crop Code										
BBCH Scale										
Crop Scientific Name										
Crop Name										
Crop Variety										
Description										
Part Rated										
Rating Date				5-21-2015	5-21-2015	6-3-2015	6-3-2015			
Rating Type				CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit				%	%	%	%			
Number of Subsamples				1	1	1	1			
Days After First/Last Applic.				37 37	37 37	50 12	50 12			
Trt-Eval Interval				37 DA-A	37 DA-A					
Plant-Eval Interval				22 DP-1	22 DP-1	35 DP-1	35 DP-1			
Days After Emergence				11 DE-1	11 DE-1	24 DE-1	24 DE-1			
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Appl Code	Description	5	6	7	8
1	Roundup Power Max	22 oz/a		A	14	EPP	43.3 a	93.3 a	92.7 abc	63.3 a
1	Tricor	8 oz/a		A	14	EPP				
1	Dual II Magnum	1.3 pt/a		A	14	EPP				
1	N-pak ams	1.5 qt/a		A	14	EPP				
1	Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
1	Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
1	N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
1	COC	0.6 qt/a		B	EPO	2-3" wds				
2	Roundup Power Max	22 oz/a		A	14	EPP	46.7 a	96.7 a	90.0 bc	63.3 a
2	Tricor	12 oz/a		A	14	EPP				
2	N-pak ams	1.5 qt/a		A	14	EPP				
2	Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
2	Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
2	N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
2	COC	0.6 qt/a		B	EPO	2-3" wds				
3	Roundup Power Max	22 oz/a		A	14	EPP	40.0 a	96.7 a	88.3 c	66.7 a
3	Tricor	4.5 oz/a		A	14	EPP				
3	Authority MTZ	10 oz/a		A	14	EPP				
3	N-pak ams	1.5 qt/a		A	14	EPP				
3	Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
3	Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
3	N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
3	COC	0.6 qt/a		B	EPO	2-3" wds				
4	Roundup Power Max	22 oz/a		A	14	EPP	50.0 a	100.0 a	95.0 abc	66.7 a
4	Tricor	4.5 oz/a		A	14	EPP				
4	Canopy	4 oz/a		A	14	EPP				
4	N-pak ams	1.5 qt/a		A	14	EPP				
4	Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
4	Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
4	N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
4	COC	0.6 qt/a		B	EPO	2-3" wds				

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBTR	AMARE	SETFA	AMBTR					
Pest Scientific Name	Ambrosia trifi>	Amaranthus ret>	Setaria faberi	Ambrosia trifi>					
Pest Name	Giant ragweed	Redroot pigweed	Giant foxtail	Giant ragweed					
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Description									
Part Rated									
Rating Date	5-21-2015	5-21-2015	6-3-2015	6-3-2015					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Days After First/Last Applic.	37 37	37 37	50 12	50 12					
Trt-Eval Interval	37 DA-A	37 DA-A							
Plant-Eval Interval	22 DP-1	22 DP-1	35 DP-1	35 DP-1					
Days After Emergence	11 DE-1	11 DE-1	24 DE-1	24 DE-1					
Trt Treatment	Other Rate	Other Rate	Appl Unit	Appl Code	Description	5	6	7	8
5 Roundup Power Max	22 oz/a		A	14	EPP	36.7 a	96.7 a	96.7 abc	63.3 a
5 Tricor	3 oz/a		A	14	EPP				
5 Boundary	24 oz/a		A	14	EPP				
5 N-pak ams	1.5 qt/a		A	14	EPP				
5 Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
5 Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
5 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
5 COC	0.6 qt/a		B	EPO	2-3" wds				
6 Roundup Power Max	32 oz/a		A	14	EPP	40.0 a	61.7 b	100.0 a	46.7 b
6 KaPre	1.5 qt/a		A	14	EPP				
6 Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
6 KaPre	3 qt/a		B	EPO	2-3" wds				
7 Roundup Power Max	32 oz/a		A	14	EPP	36.7 a	83.3 a	98.3 ab	43.3 b
7 N-pak ams	1.5 qt/a		A	14	EPP				
7 Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
7 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
8 UTC						0.0 b	0.0 c	0.0 d	0.0 c
LSD P=.05						15.93	17.10	9.06	11.54
Standard Deviation						9.10	9.77	5.17	6.59
CV						24.81	12.43	6.26	12.76
Grand Mean						36.67	78.54	82.63	51.67
Bartlett's X2						1.569	7.463	2.421	4.178
P(Bartlett's X2)						0.905	0.188	0.788	0.653
Skewness						-1.147*	-1.7313*	-2.2727*	-1.5592*
Kurtosis						0.7761	1.7497	3.7551*	1.4401
Replicate F						1.863	2.173	1.276	2.973
Replicate Prob(F)						0.1917	0.1507	0.3097	0.0840
Treatment F						8.748	36.579	126.816	35.726
Treatment Prob(F)						0.0003	0.0001	0.0001	0.0001

				W Weed		W Weed		W Weed	
				ERICA		SETFA		AMBTR	
				Conyza canadensis		Setaria faberi		Ambrosia trifida	
				Canada horseweed		Giant foxtail		Giant ragweed	
						GLXMA			
						BSOY			
						Glycine max			
						Soybean			
						Asgrow 3533			
						RR			
						PLANT C			
				6-3-2015		6-3-2015		6-16-2015	
				CONTRO		PHYLMA		CONTRO	
				%		%		%	
				1		1		1	
				50 12		50 12		63 25	
				35 DP-1		35 DP-1		48 DP-1	
				24 DE-1		24 DE-1		37 DE-1	
Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	9	10	11	12
1	Roundup Power Max	22 oz/a		A	14 EPP	100.0 a	4.3 a	53.3 a	43.3 a
1	Tricor	8 oz/a		A	14 EPP				
1	Dual II Magnum	1.3 pt/a		A	14 EPP				
1	N-pak ams	1.5 qt/a		A	14 EPP				
1	Roundup Power Max	22 oz/a		B	EPO 2-3" wds				
1	Ultra Blazer	24 oz/a		B	EPO 2-3" wds				
1	N-pak ams	1.5 qt/a		B	EPO 2-3" wds				
1	COC	0.6 qt/a		B	EPO 2-3" wds				
2	Roundup Power Max	22 oz/a		A	14 EPP	100.0 a	5.7 a	53.3 a	46.7 a
2	Tricor	12 oz/a		A	14 EPP				
2	N-pak ams	1.5 qt/a		A	14 EPP				
2	Roundup Power Max	22 oz/a		B	EPO 2-3" wds				
2	Ultra Blazer	24 oz/a		B	EPO 2-3" wds				
2	N-pak ams	1.5 qt/a		B	EPO 2-3" wds				
2	COC	0.6 qt/a		B	EPO 2-3" wds				
3	Roundup Power Max	22 oz/a		A	14 EPP	100.0 a	5.3 a	60.0 a	56.7 a
3	Tricor	4.5 oz/a		A	14 EPP				
3	Authority MTZ	10 oz/a		A	14 EPP				
3	N-pak ams	1.5 qt/a		A	14 EPP				
3	Roundup Power Max	22 oz/a		B	EPO 2-3" wds				
3	Ultra Blazer	24 oz/a		B	EPO 2-3" wds				
3	N-pak ams	1.5 qt/a		B	EPO 2-3" wds				
3	COC	0.6 qt/a		B	EPO 2-3" wds				
4	Roundup Power Max	22 oz/a		A	14 EPP	100.0 a	3.7 ab	53.3 a	50.0 a
4	Tricor	4.5 oz/a		A	14 EPP				
4	Canopy	4 oz/a		A	14 EPP				
4	N-pak ams	1.5 qt/a		A	14 EPP				
4	Roundup Power Max	22 oz/a		B	EPO 2-3" wds				
4	Ultra Blazer	24 oz/a		B	EPO 2-3" wds				
4	N-pak ams	1.5 qt/a		B	EPO 2-3" wds				
4	COC	0.6 qt/a		B	EPO 2-3" wds				

Pest Type	W Weed	W Weed	W Weed						
Pest Code	ERICA	SETFA	AMBTR						
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida						
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed						
Crop Code		GLXMA							
BBCH Scale		BSOY							
Crop Scientific Name		Glycine max							
Crop Name		Soybean							
Crop Variety		Asgrow 3533							
Description		RR							
Part Rated		PLANT C							
Rating Date	6-3-2015	6-3-2015	6-16-2015						
Rating Type	CONTRO	PHYLMA	CONTRO						
Rating Unit	%	%	%						
Number of Subsamples	1	1	1						
Days After First/Last Applic.	50 12	50 12	63 25						
Trt-Eval Interval									
Plant-Eval Interval	35 DP-1	35 DP-1	48 DP-1						
Days After Emergence	24 DE-1	24 DE-1	37 DE-1						
Trt Treatment	Other Rate	Other Rate	Appl Unit	Appl Code	Description	9	10	11	12
5 Roundup Power Max	22 oz/a		A	14	EPP	100.0 a	5.0 a	56.7 a	46.7 a
5 Tricor	3 oz/a		A	14	EPP				
5 Boundary	24 oz/a		A	14	EPP				
5 N-pak ams	1.5 qt/a		A	14	EPP				
5 Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
5 Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
5 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
5 COC	0.6 qt/a		B	EPO	2-3" wds				
6 Roundup Power Max	32 oz/a		A	14	EPP	66.7 b	1.3 c	63.3 a	46.7 a
6 KaPre	1.5 qt/a		A	14	EPP				
6 Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
6 KaPre	3 qt/a		B	EPO	2-3" wds				
7 Roundup Power Max	32 oz/a		A	14	EPP	68.3 b	2.0 bc	58.3 a	46.7 a
7 N-pak ams	1.5 qt/a		A	14	EPP				
7 Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
7 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
8 UTC						0.0 c	0.0 c	0.0 b	0.0 b
LSD P=.05						10.75	2.04	11.20	17.14
Standard Deviation						6.14	1.16	6.40	9.79
CV						7.73	34.1	12.85	23.26
Grand Mean						79.38	3.42	49.79	42.08
Bartlett's X2						1.753	4.622	2.017	3.278
P(Bartlett's X2)						0.185	0.328	0.918	0.773
Skewness						-1.681*	0.3033	-1.8542*	-1.3829*
Kurtosis						1.7001	-0.4881	2.7148*	1.6679
Replicate F						0.747	4.544	3.385	0.304
Replicate Prob(F)						0.4917	0.0301	0.0632	0.7424
Treatment F						99.158	9.526	30.629	9.534
Treatment Prob(F)						0.0001	0.0002	0.0001	0.0002

Trt No.	Treatment Name	Other Rate	Other Rate	Unit	Appl Code	Appl Description	13	14
	Pest Type						W Weed	W Weed
	Pest Code						AMARE	ERICA
	Pest Scientific Name						Amaranthus ret>	Conyza canaden>
	Pest Name						Redroot pigweed	Canada horsewe>
	Crop Code							
	BBCH Scale							
	Crop Scientific Name							
	Crop Name							
	Crop Variety							
	Description							
	Part Rated							
	Rating Date						6-16-2015	6-16-2015
	Rating Type						CONTRO	CONTRO
	Rating Unit						%	%
	Number of Subsamples						1	1
	Days After First/Last Applic.						63 25	63 25
	Trt-Eval Interval							
	Plant-Eval Interval						48 DP-1	48 DP-1
	Days After Emergence						37 DE-1	37 DE-1
	Trt No.						13	14
1	Roundup Power Max	22 oz/a			A	14 EPP	78.3 ab	98.3 a
1	Tricor	8 oz/a			A	14 EPP		
1	Dual II Magnum	1.3 pt/a			A	14 EPP		
1	N-pak ams	1.5 qt/a			A	14 EPP		
1	Roundup Power Max	22 oz/a			B	EPO 2-3" wds		
1	Ultra Blazer	24 oz/a			B	EPO 2-3" wds		
1	N-pak ams	1.5 qt/a			B	EPO 2-3" wds		
1	COC	0.6 qt/a			B	EPO 2-3" wds		
2	Roundup Power Max	22 oz/a			A	14 EPP	70.0 b	96.7 a
2	Tricor	12 oz/a			A	14 EPP		
2	N-pak ams	1.5 qt/a			A	14 EPP		
2	Roundup Power Max	22 oz/a			B	EPO 2-3" wds		
2	Ultra Blazer	24 oz/a			B	EPO 2-3" wds		
2	N-pak ams	1.5 qt/a			B	EPO 2-3" wds		
2	COC	0.6 qt/a			B	EPO 2-3" wds		
3	Roundup Power Max	22 oz/a			A	14 EPP	91.7 ab	100.0 a
3	Tricor	4.5 oz/a			A	14 EPP		
3	Authority MTZ	10 oz/a			A	14 EPP		
3	N-pak ams	1.5 qt/a			A	14 EPP		
3	Roundup Power Max	22 oz/a			B	EPO 2-3" wds		
3	Ultra Blazer	24 oz/a			B	EPO 2-3" wds		
3	N-pak ams	1.5 qt/a			B	EPO 2-3" wds		
3	COC	0.6 qt/a			B	EPO 2-3" wds		
4	Roundup Power Max	22 oz/a			A	14 EPP	100.0 a	100.0 a
4	Tricor	4.5 oz/a			A	14 EPP		
4	Canopy	4 oz/a			A	14 EPP		
4	N-pak ams	1.5 qt/a			A	14 EPP		
4	Roundup Power Max	22 oz/a			B	EPO 2-3" wds		
4	Ultra Blazer	24 oz/a			B	EPO 2-3" wds		
4	N-pak ams	1.5 qt/a			B	EPO 2-3" wds		
4	COC	0.6 qt/a			B	EPO 2-3" wds		

Pest Type	W Weed	W Weed		
Pest Code	AMARE	ERICA		
Pest Scientific Name	Amaranthus ret>	Conyza canad>		
Pest Name	Redroot pigweed	Canada horsewe>		
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Crop Variety				
Description				
Part Rated				
Rating Date	6-16-2015	6-16-2015		
Rating Type	CONTRO	CONTRO		
Rating Unit	%	%		
Number of Subsamples	1	1		
Days After First/Last Applic.	63 25	63 25		
Trt-Eval Interval				
Plant-Eval Interval	48 DP-1	48 DP-1		
Days After Emergence	37 DE-1	37 DE-1		
Trt Treatment	Other Other	Appl Appl		
No. Name	Rate Rate	Unit Code Description		
		13		
		14		
5 Roundup Power Max	22 oz/a	A 14 EPP	71.7 b	100.0 a
5 Tricor	3 oz/a	A 14 EPP		
5 Boundary	24 oz/a	A 14 EPP		
5 N-pak ams	1.5 qt/a	A 14 EPP		
5 Roundup Power Max	22 oz/a	B EPO 2-3" wds		
5 Ultra Blazer	24 oz/a	B EPO 2-3" wds		
5 N-pak ams	1.5 qt/a	B EPO 2-3" wds		
5 COC	0.6 qt/a	B EPO 2-3" wds		
6 Roundup Power Max	32 oz/a	A 14 EPP	71.7 b	53.3 b
6 KaPre	1.5 qt/a	A 14 EPP		
6 Roundup Power Max	32 oz/a	B EPO 2-3" wds		
6 KaPre	3 qt/a	B EPO 2-3" wds		
7 Roundup Power Max	32 oz/a	A 14 EPP	71.7 b	50.0 b
7 N-pak ams	1.5 qt/a	A 14 EPP		
7 Roundup Power Max	32 oz/a	B EPO 2-3" wds		
7 N-pak ams	1.5 qt/a	B EPO 2-3" wds		
8 UTC			0.0 c	0.0 c
LSD P=.05			25.43	17.96
Standard Deviation			14.52	10.26
CV			20.93	13.71
Grand Mean			69.38	74.79
Bartlett's X2			2.124	8.313
P(Bartlett's X2)			0.832	0.04*
Skewness			-1.1996*	-1.2248*
Kurtosis			0.5584	0.0788
Replicate F			4.579	1.317
Replicate Prob(F)			0.0295	0.2992
Treatment F			12.894	39.139
Treatment Prob(F)			0.0001	0.0001

Tricor/Ultra Blazer burndown and in crop comparisons in No-Till Soybeans

Trial ID: 15 NTSOY2	Location: G-7 MIDDLE	Trial Year: 2015
Protocol ID: 15 NTSOY2	Investigator: Dr. Mark M. Loux	
Project ID: Trcr-06-US-OH-15/Wellman	Study Director: Bryan Reeb	
	Sponsor Contact: Tony Estes, UPI; Jim Wellman	

Pest Type

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

Pest Code

LAMPU, Lamium purpureum, = US
 STEME, Stellaria media, = US
 AMBTR, Ambrosia trifida, = US
 SETFA, Setaria faberi, = US
 AMARE, Amaranthus retroflexus, = US
 ERICA, Conyza canadensis, = US

Crop Code

GLXMA, BSOY, Glycine max, = US

Part Rated

PLANT = plant
C = Crop is Part Rated

Rating Type

CONTRO = control / burndown or knockdown
PHYLMA = phytotoxicity - leaf malformation

Rating Unit

% = percent

Plant-Eval Interval

-1 DP-1 = 1 GLXMA 4-29-2015
 22 DP-1 = 1 GLXMA 4-29-2015
 35 DP-1 = 1 GLXMA 4-29-2015
 48 DP-1 = 1 GLXMA 4-29-2015