

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Status: E established
 ARM Trial Created On: Mar-31-2022
 Initiation Date: Apr-26-2022

Trial Location

Address (Location): 7721 South Charleston Pike
 City: South Charleston Country: USA United States
 State/Prov.: Ohio
 Postal Code: 45368

Latitude of LL Corner °: 39.85881 N
 Longitude of LL Corner °: -83.67241 W
 Altitude of LL Corner: 1083.00 FT

Conducted Under GLP: No
 Conducted Under GEP: No
 None

Role: SPONSR sponsor
 Sponsor: Joe Reed
 Organization: UPL

Crop Description

Crop 1: C	ZEAMXZea mays	Corn	BBCH Scale: BCOR
	Entry Date: May-3-2022	Stage Scale: BBCH	
	Variety: Seed Consultants SC1122Q		
	Attributes: Glyphosate-R, Glufosinate-R		
	Planting Date: Apr-26-2022	Seed Size: 1826 S/LB	
	Depth: 2 IN	Planting Rate: 32097 S/A	
	Rows per Plot: 4	Planting Method: PLANTD planted	
	Row Spacing: 30 IN	Planting Equipment: FPP finger pickup planter	
		Seed Bed: MEDTRA medium/trashy	
	Soil Temperature: 57 F	Soil Moisture: NORMAL normal, adequate	
	Emergence Date: May-14-2022		
	Harvest Date: Oct-11-2022	Harvest Equipment: Kincaid 8XP	
	Moisture Meter: Harvest Master	Harvested Width: 5 FT	
	% Standard Moisture: 15.5	Harvested Length: 30 FT	
	Weighing Equipment: Harvest Master HM800		

Pest Description

Pest 1 Type: W	Code: LAMPU Lamium purpureum	Entry Date: May-3-2022
	Common Name: Purple deadnettle	Stage Scale: BBCH
Pest 2 Type: W	Code: RANAB Ranunculus abortivus	Entry Date: May-3-2022
	Common Name: Smallflower buttercup	Stage Scale: BBCH
Pest 3 Type: W	Code: CARPE Cardamine pensylvanica	Entry Date: May-3-2022
	Common Name: Pennsylvania bittercress	Stage Scale: BBCH
Pest 4 Type: W	Code: STEME Stellaria media	Entry Date: May-3-2022
	Common Name: chickweed	Stage Scale: BBCH
Pest 5 Type: W	Code: DRBSS Draba sp.	Entry Date: May-3-2022
	Common Name: Whitlow-grass	Stage Scale: BBCH
Pest 6 Type: W	Code: VERAG Veronica agrestis	Entry Date: May-3-2022
	Common Name: Procumbent speedwell	Stage Scale: BBCH
Pest 7 Type: W	Code: AMBTR Ambrosia trifida	Entry Date: May-3-2022
	Common Name: Giant ragweed	Stage Scale: BBCH
Pest 8 Type: W	Code: SETFA Setaria faberi	Entry Date: Jun-6-2022
	Common Name: Giant foxtail	Stage Scale: BBCH
Pest 9 Type: W	Code: AMBEL Ambrosia artemisiifolia	Entry Date: Jun-6-2022
	Common Name: Common ragweed	Stage Scale: BBCH
Pest10 Type: W	Code: CHEAL Chenopodium album	Entry Date: Jun-6-2022
	Common Name: common lambsquarters	Stage Scale: BBCH
Pest11 Type: W	Code: ERICA Erigeron canadensis	Entry Date: Jun-6-2022
	Common Name: mare's-tail	Stage Scale: BBCH
Pest12 Type: W	Code: ECHCG Echinochloa crus-galli	Entry Date: Jun-6-2022
	Common Name: common barnyardgrass	Stage Scale: BBCH

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Site and Design

Treated Plot Width: 10 FT Site Type: FIELD field
 Treated Plot Length: 30 FT Experimental Unit: 1 PLOT plot
 Treated Plot Area: 300.0 FT² Tillage Type: NOTILL no-till
 Replications: 3 Treatments: 10 Plots: 30 Study Design: RACOB L Randomized Complete Block (RCB)

Previous
 No. Crop Year
 1. SOYBEAN2021

Soil Description

Description Name: F-9 West
 % Sand: 33 % OM: 1.6 Texture: SIL silt loam
 % Silt: 52 Soil Name: Crosby
 % Clay: 15 Fert. Level: G good
 pH: 6 CEC: 8.6

Application Description

	A	B
Application Date	Apr-27-2022	Jun-3-2022
Appl. Start Time	9:00 AM	9:30 AM
Appl. Stop Time	9:20 AM	9:50 AM
Application Method	SPRAY	SPRAY
Application Timing	PRE	POST
Application Placement	BROFOL	BROFOL
Applied By	Dobbels	Mark
Appl. Entry Date	May-3-2022	Jun-6-2022
Air Temperature Start, Stop	34, 35 F	67, 67 F
% Relative Humidity Start, Stop	89, 89	52, 52
Wind Velocity+Dir. Start	7 MPH, SE	4 MPH, W
Wind Velocity+Dir. Stop	7 MPH, SE	4 MPH, W
Wind Velocity+Dir. Max	7 MPH, SE	4 MPH, W
Wet Leaves (Y/N)	Y, yes	N, no
Soil Temperature	45 F	65 F
Soil Moisture	DRY	DRY
Soil Surface Condition	MEDTRA	MEDTRA
% Cloud Cover	0	0
Next Moisture Occurred On	Apr-30-2022	Jun-6-2022
Time to Next Moisture	3.0 DAY	3.0 DAY
Moisture 6 Hours after Appl.	0 IN	0 IN
Moisture 1 Week after Appl.	0.58 IN	1.08 IN

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale	ZEAMX, BCOR	ZEAMX, BCOR
Days after Emergence	-17	20
Stage Majority, Percent		15, 100
Height Average		14 IN
Height Minimum, Maximum		10, 18

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale	LAMPU, W, BBCH	LAMPU, W, BBCH
Stage Majority, Percent	65, 80	
Stage Minimum, Percent	60, 20	
Stage Maximum, Percent	65, 80	
Diameter Average	3 IN	
Diameter Minimum, Maximum	1, 3	
Height Average	6 IN	
Height Minimum, Maximum	4, 7	
Density Average	34 PLA/m ²	
Density Minimum, Maximum	2, 40	
Pest 2 Code, Type, Scale	RANAB, W, BBCH	RANAB, W, BBCH
Stage Majority, Percent	61, 90	
Stage Minimum, Percent	60, 10	
Stage Maximum, Percent	61, 90	
Diameter Average	3 IN	
Diameter Minimum, Maximum	3, 4	
Height Average	6 IN	
Height Minimum, Maximum	4, 8	
Density Average	2 pla/m ²	
Density Minimum, Maximum	0, 3	
Pest 3 Code, Type, Scale	CARPE, W, BBCH	CARPE, W, BBCH
Stage Majority, Percent	69, 90	
Stage Minimum, Percent	68, 10	
Stage Maximum, Percent	69, 90	
Diameter Average	2 IN	
Diameter Minimum, Maximum	2, 3	
Height Average	6 IN	
Height Minimum, Maximum	4, 7	
Density Average	5 PLA/m ²	
Density Minimum, Maximum	0, 7	

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest 4 Code, Type, Scale	STEME, W, BBCH	STEME, W, BBCH
Stage Majority, Percent	65, 80	
Stage Minimum, Percent	60, 10	
Stage Maximum, Percent	65, 80	
Diameter Average	6 IN	
Diameter Minimum, Maximum	6, 8	
Height Average	1 IN	
Height Minimum, Maximum	0.5, 1	
Density Average	2 PLA/m2	
Density Minimum, Maximum	0, 4	
Pest 5 Code, Type, Scale	DRBSS, W, BBCH	DRBSS, W, BBCH
Stage Majority, Percent	69, 90	
Stage Minimum, Percent	65, 10	
Stage Maximum, Percent	69, 90	
Diameter Average	1.5 IN	
Diameter Minimum, Maximum	1, 2	
Height Average	3 IN	
Height Minimum, Maximum	2, 3	
Density Average	3 PLA/m2	
Density Minimum, Maximum	0, 6	
Pest 6 Code, Type, Scale	VERAG, W, BBCH	VERAG, W, BBCH
Stage Majority, Percent	65, 60	
Stage Minimum, Percent	60, 20	
Stage Maximum, Percent	65, 60	
Diameter Average	4 IN	
Diameter Minimum, Maximum	3, 6	
Height Average	1 IN	
Height Minimum, Maximum	1, 2	
Density Average	6 PLA/m2	
Density Minimum, Maximum	5, 12	
Pest 7 Code, Type, Scale	AMBTR, W, BBCH	AMBTR, W, BBCH
Stage Majority, Percent	10, 60	19, 100
Stage Minimum, Percent	10, 40	
Stage Maximum, Percent	12, 40	
Diameter Average	2 IN	
Diameter Minimum, Maximum	1.5, 2	
Height Average	1 IN	10 IN
Height Minimum, Maximum	1, 2	2, 14
Density Average	8 PLA/m2	8 PLA/m2
Density Minimum, Maximum	3, 12	3, 12
Pest 8 Code, Type, Scale	SETFA, W, BBCH	SETFA, W, BBCH
Stage Majority, Percent		15, 80
Stage Minimum, Percent		13, 10
Stage Maximum, Percent		15, 80
Height Average		4 IN
Height Minimum, Maximum		2, 7
Density Average		187 PLA/m2
Density Minimum, Maximum		135, 190
Pest 9 Code, Type, Scale	AMBEL, W, BBCH	AMBEL, W, BBCH
Stage Majority, Percent		14, 80
Stage Minimum, Percent		14, 80
Stage Maximum, Percent		16, 20
Height Average		4 IN
Height Minimum, Maximum		2, 4
Density Average		3 pla/m2
Density Minimum, Maximum		1, 6
Pest10 Code, Type, Scale	CHEAL, W, BBCH	CHEAL, W, BBCH
Stage Majority, Percent		14, 80
Stage Minimum, Percent		14, 80
Stage Maximum, Percent		16, 20
Height Average		4 IN
Height Minimum, Maximum		1, 4
Density Average		8 PLA/m2
Density Minimum, Maximum		2, 9
Pest11 Code, Type, Scale	ERICA, W, BBCH	ERICA, W, BBCH
Stage Majority, Percent		16, 100
Height Average		2 IN
Height Minimum, Maximum		1, 3
Density Average		3 pla/m2
Density Minimum, Maximum		1, 4
Pest12 Code, Type, Scale	ECHCG, W, BBCH	ECHCG, W, BBCH
Stage Majority, Percent		13, 100
Height Average		4 IN
Height Minimum, Maximum		2, 7
Density Average		34 PLA/m2
Density Minimum, Maximum		14, 38

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Application Equipment

	A	B
Appl. Equipment	6' AIXR	10' AIXR
Equipment Type	BACCAI	BACCAI
Operation Pressure	44 PSI	44 PSI
Nozzle Model	110015	110015
Nozzle Type	AI XR	AI XR
Nozzle TradeName	TeeJet	TeeJet
Nozzle Tip Size, Color	015, green	015, green
Nozzle Spacing	18 IN	18 IN
Boom Length	6.67 FT	10 FT
Boom Height	20 IN	20 IN
Ground Speed	3 MPH	3 MPH
Carrier	WATER	WATER
Water Hardness (ppm CaCO3)	250	250
Application Amount	15 GAL/AC	15 GAL/AC
Mix Overage	25 mL	25 mL
Mix Size	1.0 L	2 L
Spray pH	7.8	7.8
Propellant	COMCO2	COMCO2
Tank Mix (Y/N)	Y, yes	Y, yes

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code	AGSSS	STEME	LAMPU	RANAB	ERICA	SETFA
Pest Scientific Name	Agrostis sp.	Stellaria media	Lamium purpureum	Ranunculus abor>	Erigeron canad>	Setaria faberi
Pest Name	Bentgrass	chickweed	purple deadnett>	Smallflower but>	mare's-tail	Giant foxtail
Crop Type, Code						
Crop Name						
Rating Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-24-2022
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-26-2022
Rating Timing						
Days After First/Last Applic.	14, 14	14, 14	14, 14	14, 14	14, 14	27, 27
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	27 DA-A
Plant-Eval Interval	15 DP-1	15 DP-1	15 DP-1	15 DP-1	15 DP-1	28 DP-1
Days After Emergence	-3 DE-1	-3 DE-1	-3 DE-1	-3 DE-1	-3 DE-1	10 DE-1
ARM Action Codes						
Number of Decimals	0	0	0	0	0	0
Trt Treatment	1*	2*	3*	4*	5*	6*
No. Name	Rate	Unit	Code	Code	Code	Code

1 Bicep II Magnum	2.06 lb ai/a	A	65-	100-	90 ab	72-	77-	90 a
1 Roundup Powermax 3	1 lb ae/a	A						
1 N PAK AMS	2.5 % v/v	A						
1 Impact	0.0219 lb ai/a	B						
1 Atrazine	0.5 lb ai/a	B						
1 HC MSO	0.5 % v/v	B						
1 N Pak AMS	2.5 % v/v	B						
2 Bicep II Magnum	2.06 lb ai/a	A	67-	100-	90 ab	77-	67-	92 a
2 Roundup Powermax 3	1 lb ae/a	A						
2 N PAK AMS	2.5 % v/v	A						
2 Impact Core	1.68 lb ai/a	B						
2 Atrazine	0.5 lb ai/a	B						
2 HC MSO	0.5 % v/v	B						
2 N Pak AMS	2.5 % v/v	B						
3 Bicep II Magnum	2.06 lb ai/a	A	62-	100-	87 ab	70-	61-	90 a
3 Roundup Powermax 3	1 lb ae/a	A						
3 N PAK AMS	2.5 % v/v	A						
3 Sinate	0.48 lb ai/a	B						
3 Atrazine	0.5 lb ai/a	B						
3 HC MSO	0.5 % v/v	B						
3 N Pak AMS	2.5 % v/v	B						
4 Bicep II Magnum	2.06 lb ai/a	A	63-	97-	85 ab	70-	62-	85 a
4 Roundup Powermax 3	1 lb ae/a	A						
4 N PAK AMS	2.5 % v/v	A						
4 Shieldex	0.035 lb ai/a	B						
4 Atrazine	0.5 lb ai/a	B						
4 COC	1 % v/v	B						
4 N Pak AMS	2.5 % v/v	B						

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code	AGSSS	STEME	LAMPU	RANAB	ERICA	SETFA
Pest Scientific Name	Agrostis sp.	Stellaria media	Lamium purpureum	Ranunculus abortivus	Erigeron canadensis	Setaria faberii
Pest Name	Bentgrass	chickweed	purple deadnettle	Smallflower but	mare's-tail	Giant foxtail
Crop Type, Code						
Crop Name						
Rating Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-24-2022
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-26-2022
Rating Timing						
Days After First/Last Applic.	14, 14	14, 14	14, 14	14, 14	14, 14	27, 27
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	27 DA-A
Plant-Eval Interval	15 DP-1	15 DP-1	15 DP-1	15 DP-1	15 DP-1	28 DP-1
Days After Emergence	-3 DE-1	-3 DE-1	-3 DE-1	-3 DE-1	-3 DE-1	10 DE-1
ARM Action Codes						
Number of Decimals	0	0	0	0	0	0

Trt Treatment No. Name	Rate	Rate Unit	Appl Code	1*	2*	3*	4*	5*	6*
5 Restraint	1.83 lb ai/a	A	A	70-	100-	77b	57-		82a
5 Roundup Powermax 3	1 lb ae/a	A	A						
5 N PAK AMS	2.5% v/v	A	A						
5 Shieldex	0.035 lb ai/a	B	B						
5 COC	1% v/v	B	B						
5 N Pak AMS	2.5% v/v	B	B						
6 SURESTART II	1.38 lb ai/a	A	A	67-	100-	53c	50-	67-	58b
6 Roundup Powermax 3	1 lb ae/a	A	A						
6 N PAK AMS	2.5% v/v	A	A						
6 Resicore XL	1.22 lb ai/a	B	B						
6 Atrazine	1 lb ai/a	B	B						
6 Durango DMA	1 lb ae/a	B	B						
6 NIS	0.25% v/v	B	B						
6 N Pak AMS	2.5% v/v	B	B						
7 Trivolt	0.57 lb ai/a	A	A	67-	100-	60c	65-	62-	93a
7 Roundup Powermax 3	1 lb ae/a	A	A						
7 N PAK AMS	2.5% v/v	A	A						
7 Harness Max	1.22 lb ai/a	B	B						
7 Atrazine	1 lb ai/a	B	B						
7 Roundup Powermax 3	1 lb ae/a	B	B						
7 NIS	0.25% v/v	B	B						
7 N Pak AMS	2.5% v/v	B	B						
8 MAVERICK	2.06 lb ai/a	A	A	60-	100-	77b	70-	103-	98a
8 Roundup Powermax 3	1 lb ae/a	A	A						
8 N PAK AMS	2.5% v/v	A	A						
8 Maverick	1.22 lb ai/a	B	B						
8 Atrazine	1 lb ai/a	B	B						
8 Roundup Powermax 3	1 lb ae/a	B	B						
8 NIS	0.25% v/v	B	B						
8 N Pak AMS	2.5% v/v	B	B						
9 Bicep II Magnum	2.06 lb ai/a	A	A	63-	100-	90ab	77-		93a
9 Roundup Powermax 3	1 lb ae/a	A	A						
9 N PAK AMS	2.5% v/v	A	A						
9 Acuron	1.29 lb ai/a	B	B						
9 Atrazine	1 lb ai/a	B	B						
9 Roundup Powermax 3	1 lb ae/a	B	B						
9 NIS	0.25% v/v	B	B						
9 N Pak AMS	2.5% v/v	B	B						

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code	AGSSS	STEME	LAMPU	RANAB	ERICA	SETFA		
Pest Scientific Name	Agrostis sp.	Stellaria media	Lamium purpureum	Ranunculus abortivus	Erigeron canadensis	Setaria faberii		
Pest Name	Bentgrass	chickweed	purple deadnettle	Smallflower butchard	mare's-tail	Giant foxtail		
Crop Type, Code								
Crop Name								
Rating Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-24-2022		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Number of Subsamples	1	1	1	1	1	1		
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-11-2022	May-26-2022		
Rating Timing								
Days After First/Last Applic.	14, 14	14, 14	14, 14	14, 14	14, 14	27, 27		
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	27 DA-A		
Plant-Eval Interval	15 DP-1	15 DP-1	15 DP-1	15 DP-1	15 DP-1	28 DP-1		
Days After Emergence	-3 DE-1	-3 DE-1	-3 DE-1	-3 DE-1	-3 DE-1	10 DE-1		
ARM Action Codes								
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl	1*	2*	3*	4*	5*	6*
No. Name	Rate Unit	Code						
10Bicep II Magnum	2.06 lb ai/a	A	53-	100-	95a	77-	84-	85a
10Roundup Powermax 3	1 lb ae/a	A						
10N PAK AMS	2.5% v/v	A						
10Acuron GT	47 lb ae/a	B						
10NIS	0.25% v/v	B						
10Atrazine	0.5 lb ai/a	B						
10N PAK AMS	2.5% v/v	B						
LSD P=.05			19.2	3.4	11.1	16.8	25.6	11.2
Standard Deviation			11.2	2.0	6.5	9.7	12.2	6.6
CV			17.54	1.98	8.09	14.22	17.43	7.58
Grand Mean			63.7	99.6	80.3	68.4	70.0	86.5
Levene's F^			0.301	0.577	0.383	0.55	1.823	0.399
Levene's Prob(F)			0.966	0.798	0.93	0.82	0.223	0.921
Rank X2			.	.	.	.	.	.
P(Rank X2)			.	.	.	.	.	.
Skewness^			0.1844	-1.8026*	-0.4204	-0.428	0.1365	0.2125
Kurtosis^			-0.9817	9.1975*	-0.3051	-0.4	0.4621	-0.4261
Replicate F			0.889	1.071	11.921	4.409	0.243	5.483
Replicate Prob(F)			0.4285	0.3673	0.0005	0.0287	0.7934	0.0138
Treatment F			0.517	0.847	13.632	2.533	1.903	8.468
Treatment Prob(F)			0.8437	0.5875	0.0001	0.0473	0.2483	0.0001

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed			
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	ERICA			
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Abutilon theoph>	Erigeron canade>			
Pest Name	Giant ragweed	common lambsqua>	Redroot pigweed	velvetleaf	mare's-tail			
Crop Type, Code								
Crop Name								
Rating Date	May-24-2022	May-24-2022	May-24-2022	May-24-2022	Jun-2-2022			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100			
Number of Subsamples	1	1	1	1	1			
Data Entry Date	May-26-2022	May-26-2022	May-26-2022	May-26-2022	Jun-2-2022			
Rating Timing								
Days After First/Last Applic.	27, 27	27, 27	27, 27	27, 27	36, 36			
Trt-Eval Interval					36 DA-A			
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1	37 DP-1			
Days After Emergence	10 DE-1	10 DE-1	10 DE-1	10 DE-1	19 DE-1			
ARM Action Codes								
Number of Decimals	0	0	0	0	0			
Trt Treatment	7*	8*	9*	10*	11*			
No. Name	Rate	Unit	Appl Code					
1 Bicep II Magnum	2.06 lb ai/a	A		78-	100-	100-	100-	100-
1 Roundup Powermax 3	1 lb ae/a	A						
1 N PAK AMS	2.5 % v/v	A						
1 Impact	0.0219 lb ai/a	B						
1 Atrazine	0.5 lb ai/a	B						
1 HC MSO	0.5 % v/v	B						
1 N Pak AMS	2.5 % v/v	B						
2 Bicep II Magnum	2.06 lb ai/a	A		72-	100-	100-	95-	100-
2 Roundup Powermax 3	1 lb ae/a	A						
2 N PAK AMS	2.5 % v/v	A						
2 Impact Core	1.68 lb ai/a	B						
2 Atrazine	0.5 lb ai/a	B						
2 HC MSO	0.5 % v/v	B						
2 N Pak AMS	2.5 % v/v	B						
3 Bicep II Magnum	2.06 lb ai/a	A		77-	100-	100-	77-	90-
3 Roundup Powermax 3	1 lb ae/a	A						
3 N PAK AMS	2.5 % v/v	A						
3 Sinate	0.48 lb ai/a	B						
3 Atrazine	0.5 lb ai/a	B						
3 HC MSO	0.5 % v/v	B						
3 N Pak AMS	2.5 % v/v	B						
4 Bicep II Magnum	2.06 lb ai/a	A		78-	100-	100-	87-	100-
4 Roundup Powermax 3	1 lb ae/a	A						
4 N PAK AMS	2.5 % v/v	A						
4 Shieldex	0.035 lb ai/a	B						
4 Atrazine	0.5 lb ai/a	B						
4 COC	1 % v/v	B						
4 N Pak AMS	2.5 % v/v	B						

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	ERICA		
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Abutilon theoph>	Erigeron canade>		
Pest Name	Giant ragweed	common lambsqua>	Redroot pigweed	velvetleaf	mare's-tail		
Crop Type, Code							
Crop Name							
Rating Date	May-24-2022	May-24-2022	May-24-2022	May-24-2022	Jun-2-2022		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	May-26-2022	May-26-2022	May-26-2022	May-26-2022	Jun-2-2022		
Rating Timing							
Days After First/Last Applic.	27, 27	27, 27	27, 27	27, 27	36, 36		
Trt-Eval Interval					36 DA-A		
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1	37 DP-1		
Days After Emergence	10 DE-1	10 DE-1	10 DE-1	10 DE-1	19 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment	Rate	Appl	7*	8*	9*	10*	11*
No. Name	Rate Unit	Code					
5 Restraint	1.83 lb ai/a	A	75-	96-	100-	100-	80-
5 Roundup Powermax 3	1 lb ae/a	A					
5 N PAK AMS	2.5% v/v	A					
5 Shieldex	0.035 lb ai/a	B					
5 COC	1% v/v	B					
5 N Pak AMS	2.5% v/v	B					
6 SURESTART II	1.38 lb ai/a	A	72-	100-	100-	100-	100-
6 Roundup Powermax 3	1 lb ae/a	A					
6 N PAK AMS	2.5% v/v	A					
6 Resicore XL	1.22 lb ai/a	B					
6 Atrazine	1 lb ai/a	B					
6 Durango DMA	1 lb ae/a	B					
6 NIS	0.25% v/v	B					
6 N Pak AMS	2.5% v/v	B					
7 Trivolt	0.57 lb ai/a	A	82-	100-	100-	100-	80-
7 Roundup Powermax 3	1 lb ae/a	A					
7 N PAK AMS	2.5% v/v	A					
7 Harness Max	1.22 lb ai/a	B					
7 Atrazine	1 lb ai/a	B					
7 Roundup Powermax 3	1 lb ae/a	B					
7 NIS	0.25% v/v	B					
7 N Pak AMS	2.5% v/v	B					
8 MAVERICK	2.06 lb ai/a	A	88-	93-	100-	98-	100-
8 Roundup Powermax 3	1 lb ae/a	A					
8 N PAK AMS	2.5% v/v	A					
8 Maverick	1.22 lb ai/a	B					
8 Atrazine	1 lb ai/a	B					
8 Roundup Powermax 3	1 lb ae/a	B					
8 NIS	0.25% v/v	B					
8 N Pak AMS	2.5% v/v	B					
9 Bicep II Magnum	2.06 lb ai/a	A	83-	100-	100-	100-	100-
9 Roundup Powermax 3	1 lb ae/a	A					
9 N PAK AMS	2.5% v/v	A					
9 Acuron	1.29 lb ai/a	B					
9 Atrazine	1 lb ai/a	B					
9 Roundup Powermax 3	1 lb ae/a	B					
9 NIS	0.25% v/v	B					
9 N Pak AMS	2.5% v/v	B					

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	ERICA		
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Abutilon theoph>	Erigeron canade>		
Pest Name	Giant ragweed	common lambsqua>	Redroot pigweed	velvetleaf	mare's-tail		
Crop Type, Code							
Crop Name							
Rating Date	May-24-2022	May-24-2022	May-24-2022	May-24-2022	Jun-2-2022		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	May-26-2022	May-26-2022	May-26-2022	May-26-2022	Jun-2-2022		
Rating Timing							
Days After First/Last Applic.	27, 27	27, 27	27, 27	27, 27	36, 36		
Trt-Eval Interval					36 DA-A		
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1	37 DP-1		
Days After Emergence	10 DE-1	10 DE-1	10 DE-1	10 DE-1	19 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment	Rate	Appl	7*	8*	9*	10*	11*
No. Name	Rate	Unit Code					
10Bicep II Magnum	2.06lb ai/a	A	82-	100-	100-	93-	100-
10Roundup Powermax 3	1 lb ae/a	A					
10N PAK AMS	2.5% v/v	A					
10Acuron GT	47 lb ae/a	B					
10NIS	0.25% v/v	B					
10Atrazine	0.5lb ai/a	B					
10N PAK AMS	2.5% v/v	B					
LSD P=.05			13.6	7.1	.	16.8	18.4
Standard Deviation			7.9	4.1	0.0	9.8	10.7
CV			10.06	4.17	0.0	10.29	11.26
Grand Mean			78.7	98.9	100.0	95.0	95.0
Levene's F^			0.517	0.951	.	1.224	1.529
Levene's Prob(F)			0.845	0.505	.	0.335	0.205
Rank X2			.	.	.	.	.
P(Rank X2)			.	.	.	.	.
Skewness^			-0.3108	-1.64*	.	-0.2342	-0.0889
Kurtosis^			-0.1777	7.5422*	.	2.8665*	2.3444*
Replicate F			5.357	0.478	0.000	1.281	0.612
Replicate Prob(F)			0.0149	0.6278	1.0000	0.3020	0.5534
Treatment F			1.323	0.961	0.000	1.897	1.893
Treatment Prob(F)			0.2920	0.5011	1.0000	0.1183	0.1191

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed			
Pest Code	SETFA	AMBTR	CHEAL	AMARE	SETFA	AMBTR			
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Setaria faberi	Ambrosia trifida			
Pest Name	Giant foxtail	Giant ragweed	common lambsqua>	Redroot pigweed	Giant foxtail	Giant ragweed			
Crop Type, Code									
Crop Name									
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jul-5-2022	Jul-5-2022			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100			
Number of Subsamples	1	1	1	1	1	1			
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jul-6-2022	Jul-6-2022			
Rating Timing	AT POST	AT POST	AT POST	AT POST					
Days After First/Last Applic.	36, 36	36, 36	36, 36	36, 36	69, 32	69, 32			
Trt-Eval Interval	36 DA-A	36 DA-A	36 DA-A	36 DA-A	32 DA-B	32 DA-B			
Plant-Eval Interval	37 DP-1	37 DP-1	37 DP-1	37 DP-1	70 DP-1	70 DP-1			
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	52 DE-1	52 DE-1			
ARM Action Codes									
Number of Decimals	0	0	0	0	0	0			
Trt Treatment	12*	13*	14*	15*	16*	17*			
No. Name	Rate	Unit	Appl Code						
1 Bicep II Magnum	2.06 lb ai/a	A		87 a	67 -	100 a	95 -	98 a	97 -
1 Roundup Powermax 3	1 lb ae/a	A							
1 N PAK AMS	2.5 % v/v	A							
1 Impact	0.0219 lb ai/a	B							
1 Atrazine	0.5 lb ai/a	B							
1 HC MSO	0.5 % v/v	B							
1 N Pak AMS	2.5 % v/v	B							
2 Bicep II Magnum	2.06 lb ai/a	A		85 a	53 -	87 ab	82 -	99 a	100 -
2 Roundup Powermax 3	1 lb ae/a	A							
2 N PAK AMS	2.5 % v/v	A							
2 Impact Core	1.68 lb ai/a	B							
2 Atrazine	0.5 lb ai/a	B							
2 HC MSO	0.5 % v/v	B							
2 N Pak AMS	2.5 % v/v	B							
3 Bicep II Magnum	2.06 lb ai/a	A		80 a	61 -	93 ab	100 -	99 a	100 -
3 Roundup Powermax 3	1 lb ae/a	A							
3 N PAK AMS	2.5 % v/v	A							
3 Sinate	0.48 lb ai/a	B							
3 Atrazine	0.5 lb ai/a	B							
3 HC MSO	0.5 % v/v	B							
3 N Pak AMS	2.5 % v/v	B							
4 Bicep II Magnum	2.06 lb ai/a	A		80 a	60 -	93 ab	100 -	98 a	100 -
4 Roundup Powermax 3	1 lb ae/a	A							
4 N PAK AMS	2.5 % v/v	A							
4 Shieldex	0.035 lb ai/a	B							
4 Atrazine	0.5 lb ai/a	B							
4 COC	1 % v/v	B							
4 N Pak AMS	2.5 % v/v	B							

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

	W, Weed SETFA	W, Weed AMBTR	W, Weed CHEAL	W, Weed AMARE	W, Weed SETFA	W, Weed AMBTR
Pest Type	Setaria faberi	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Setaria faberi	Ambrosia trifida
Pest Code	Giant foxtail	Giant ragweed	common lambsqua>	Redroot pigweed	Giant foxtail	Giant ragweed
Pest Scientific Name						
Pest Name						
Crop Type, Code						
Crop Name						
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jul-5-2022	Jul-5-2022
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1	1
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jul-6-2022	Jul-6-2022
Rating Timing	AT POST	AT POST	AT POST	AT POST		
Days After First/Last Applic.	36, 36	36, 36	36, 36	36, 36	69, 32	69, 32
Trt-Eval Interval	36 DA-A	36 DA-A	36 DA-A	36 DA-A	32 DA-B	32 DA-B
Plant-Eval Interval	37 DP-1	37 DP-1	37 DP-1	37 DP-1	70 DP-1	70 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	52 DE-1	52 DE-1
ARM Action Codes						
Number of Decimals	0	0	0	0	0	0

Trt Treatment No. Name	Rate	Rate Unit	Appl Code	12*	13*	14*	15*	16*	17*
5 Restraint	1.83 lb ai/a	A	A	75 a	57 -	70 b	100 -	93 b	95 -
5 Roundup Powermax 3	1 lb ae/a	A	A						
5 N PAK AMS	2.5 % v/v	A	A						
5 Shieldex	0.035 lb ai/a	B	B						
5 COC	1 % v/v	B	B						
5 N Pak AMS	2.5 % v/v	B	B						
6 SURESTART II	1.38 lb ai/a	A	A	50 b	47 -	93 ab	87 -	100 a	100 -
6 Roundup Powermax 3	1 lb ae/a	A	A						
6 N PAK AMS	2.5 % v/v	A	A						
6 Resicore XL	1.22 lb ai/a	B	B						
6 Atrazine	1 lb ai/a	B	B						
6 Durango DMA	1 lb ae/a	B	B						
6 NIS	0.25 % v/v	B	B						
6 N Pak AMS	2.5 % v/v	B	B						
7 Trivolt	0.57 lb ai/a	A	A	85 a	57 -	100 a	95 -	100 a	100 -
7 Roundup Powermax 3	1 lb ae/a	A	A						
7 N PAK AMS	2.5 % v/v	A	A						
7 Harness Max	1.22 lb ai/a	B	B						
7 Atrazine	1 lb ai/a	B	B						
7 Roundup Powermax 3	1 lb ae/a	B	B						
7 NIS	0.25 % v/v	B	B						
7 N Pak AMS	2.5 % v/v	B	B						
8 MAVERICK	2.06 lb ai/a	A	A	97 a	82 -	100 a	100 -	100 a	100 -
8 Roundup Powermax 3	1 lb ae/a	A	A						
8 N PAK AMS	2.5 % v/v	A	A						
8 Maverick	1.22 lb ai/a	B	B						
8 Atrazine	1 lb ai/a	B	B						
8 Roundup Powermax 3	1 lb ae/a	B	B						
8 NIS	0.25 % v/v	B	B						
8 N Pak AMS	2.5 % v/v	B	B						
9 Bicep II Magnum	2.06 lb ai/a	A	A	87 a	70 -	100 a	100 -	100 a	100 -
9 Roundup Powermax 3	1 lb ae/a	A	A						
9 N PAK AMS	2.5 % v/v	A	A						
9 Acuron	1.29 lb ai/a	B	B						
9 Atrazine	1 lb ai/a	B	B						
9 Roundup Powermax 3	1 lb ae/a	B	B						
9 NIS	0.25 % v/v	B	B						
9 N Pak AMS	2.5 % v/v	B	B						

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code	SETFA	AMBTR	CHEAL	AMARE	SETFA	AMBTR		
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Setaria faberi	Ambrosia trifida		
Pest Name	Giant foxtail	Giant ragweed	common lambsqua>	Redroot pigweed	Giant foxtail	Giant ragweed		
Crop Type, Code								
Crop Name								
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jul-5-2022	Jul-5-2022		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Number of Subsamples	1	1	1	1	1	1		
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jul-6-2022	Jul-6-2022		
Rating Timing	AT POST	AT POST	AT POST	AT POST				
Days After First/Last Applic.	36, 36	36, 36	36, 36	36, 36	69, 32	69, 32		
Trt-Eval Interval	36 DA-A	36 DA-A	36 DA-A	36 DA-A	32 DA-B	32 DA-B		
Plant-Eval Interval	37 DP-1	37 DP-1	37 DP-1	37 DP-1	70 DP-1	70 DP-1		
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	52 DE-1	52 DE-1		
ARM Action Codes								
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl	12*	13*	14*	15*	16*	17*
No. Name	Rate	Unit Code						
10Bicep II Magnum	2.06lb ai/a	A	77a	60-	100a	100-	100a	100-
10Roundup Powermax 3	1 lb ae/a	A						
10N PAK AMS	2.5% v/v	A						
10Acuron GT	47 lb ae/a	B						
10NIS	0.25% v/v	B						
10Atrazine	0.5lb ai/a	B						
10N PAK AMS	2.5% v/v	B						
LSD P=.05			14.6	22.7	16.9	17.4	4.1	3.0
Standard Deviation			8.5	13.2	9.8	10.2	2.4	1.7
CV			10.6	21.6	10.5	10.61	2.42	1.76
Grand Mean			80.2	61.3	93.7	95.8	98.7	99.2
Levene's F^			0.669	0.52	0.657	0.777	1.263	1.467
Levene's Prob(F)			0.727	0.843	0.737	0.639	0.315	0.227
Rank X2			.	.	.	.	.	.
P(Rank X2)			.	.	.	.	.	.
Skewness^			0.3488	0.1551	-0.8946*	-0.8536	-1.3602*	0.0
Kurtosis^			0.2689	-0.1687	1.566	1.687*	7.1918*	4.972*
Replicate F			4.615	0.352	1.690	1.555	0.753	1.909
Replicate Prob(F)			0.0241	0.7081	0.2126	0.2383	0.4850	0.1770
Treatment F			6.242	1.605	2.793	1.258	2.705	3.182
Treatment Prob(F)			0.0005	0.1877	0.0304	0.3231	0.0345	0.0175

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Trt No.	Treatment Name	Rate	Unit	Appl Code	18*	19*
	Pest Type				W, Weed	W, Weed
	Pest Code				CHEAL	AMARE
	Pest Scientific Name				Chenopodium alb>	Amaranthus retr>
	Pest Name				common lambsqua>	Redroot pigweed
	Crop Type, Code					
	Crop Name					
	Rating Date				Jul-5-2022	Jul-5-2022
	Rating Type				CONTRO	CONTRO
	Rating Unit/Min/Max				%, 0, 100	%, 0, 100
	Number of Subsamples				1	1
	Data Entry Date				Jul-6-2022	Jul-20-2022
	Rating Timing					
	Days After First/Last Applic.				69, 32	69, 32
	Trt-Eval Interval				32 DA-B	32 DA-B
	Plant-Eval Interval				70 DP-1	70 DP-1
	Days After Emergence				52 DE-1	52 DE-1
	ARM Action Codes					
	Number of Decimals				0	0
	Trt Treatment					
	No. Name	Rate	Unit	Code	18*	19*
1	Bicep II Magnum	2.06 lb ai/a	A		100-	100-
1	Roundup Powermax 3	1 lb ae/a	A			
1	N PAK AMS	2.5 % v/v	A			
1	Impact	0.0219 lb ai/a	B			
1	Atrazine	0.5 lb ai/a	B			
1	HC MSO	0.5 % v/v	B			
1	N Pak AMS	2.5 % v/v	B			
2	Bicep II Magnum	2.06 lb ai/a	A		100-	100-
2	Roundup Powermax 3	1 lb ae/a	A			
2	N PAK AMS	2.5 % v/v	A			
2	Impact Core	1.68 lb ai/a	B			
2	Atrazine	0.5 lb ai/a	B			
2	HC MSO	0.5 % v/v	B			
2	N Pak AMS	2.5 % v/v	B			
3	Bicep II Magnum	2.06 lb ai/a	A		100-	100-
3	Roundup Powermax 3	1 lb ae/a	A			
3	N PAK AMS	2.5 % v/v	A			
3	Sinate	0.48 lb ai/a	B			
3	Atrazine	0.5 lb ai/a	B			
3	HC MSO	0.5 % v/v	B			
3	N Pak AMS	2.5 % v/v	B			
4	Bicep II Magnum	2.06 lb ai/a	A		100-	100-
4	Roundup Powermax 3	1 lb ae/a	A			
4	N PAK AMS	2.5 % v/v	A			
4	Shieldex	0.035 lb ai/a	B			
4	Atrazine	0.5 lb ai/a	B			
4	COC	1 % v/v	B			
4	N Pak AMS	2.5 % v/v	B			

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type	W, Weed	W, Weed
Pest Code	CHEAL	AMARE
Pest Scientific Name	Chenopodium alb> Amaranthus retr>	
Pest Name	common lambsqua> Redroot pigweed	
Crop Type, Code		
Crop Name		
Rating Date	Jul-5-2022	Jul-5-2022
Rating Type	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100
Number of Subsamples	1	1
Data Entry Date	Jul-6-2022	Jul-20-2022
Rating Timing		
Days After First/Last Applic.	69, 32	69, 32
Trt-Eval Interval	32 DA-B	32 DA-B
Plant-Eval Interval	70 DP-1	70 DP-1
Days After Emergence	52 DE-1	52 DE-1
ARM Action Codes		
Number of Decimals	0	0

Trt	Treatment	Rate	Unit	Appl	18*	19*
No.	Name	Rate	Unit	Code		
5	Restraint	1.83lb ai/a	A		100-	100-
5	Roundup Powermax 3	1 lb ae/a	A			
5	N PAK AMS	2.5% v/v	A			
5	Shieldex	0.035lb ai/a	B			
5	COC	1% v/v	B			
5	N Pak AMS	2.5% v/v	B			
6	SURESTART II	1.38lb ai/a	A		100-	100-
6	Roundup Powermax 3	1 lb ae/a	A			
6	N PAK AMS	2.5% v/v	A			
6	Resicore XL	1.22lb ai/a	B			
6	Atrazine	1 lb ai/a	B			
6	Durango DMA	1 lb ae/a	B			
6	NIS	0.25% v/v	B			
6	N Pak AMS	2.5% v/v	B			
7	Trivolt	0.57lb ai/a	A		100-	100-
7	Roundup Powermax 3	1 lb ae/a	A			
7	N PAK AMS	2.5% v/v	A			
7	Harness Max	1.22lb ai/a	B			
7	Atrazine	1 lb ai/a	B			
7	Roundup Powermax 3	1 lb ae/a	B			
7	NIS	0.25% v/v	B			
7	N Pak AMS	2.5% v/v	B			
8	MAVERICK	2.06lb ai/a	A		100-	100-
8	Roundup Powermax 3	1 lb ae/a	A			
8	N PAK AMS	2.5% v/v	A			
8	Maverick	1.22lb ai/a	B			
8	Atrazine	1 lb ai/a	B			
8	Roundup Powermax 3	1 lb ae/a	B			
8	NIS	0.25% v/v	B			
8	N Pak AMS	2.5% v/v	B			
9	Bicep II Magnum	2.06lb ai/a	A		100-	100-
9	Roundup Powermax 3	1 lb ae/a	A			
9	N PAK AMS	2.5% v/v	A			
9	Acuron	1.29lb ai/a	B			
9	Atrazine	1 lb ai/a	B			
9	Roundup Powermax 3	1 lb ae/a	B			
9	NIS	0.25% v/v	B			
9	N Pak AMS	2.5% v/v	B			

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type		W, Weed	W, Weed
Pest Code		CHEAL	AMARE
Pest Scientific Name		Chenopodium alb>	Amaranthus retr>
Pest Name		common lambsqua>	Redroot pigweed
Crop Type, Code			
Crop Name			
Rating Date		Jul-5-2022	Jul-5-2022
Rating Type		CONTRO	CONTRO
Rating Unit/Min/Max		%, 0, 100	%, 0, 100
Number of Subsamples		1	1
Data Entry Date		Jul-6-2022	Jul-20-2022
Rating Timing			
Days After First/Last Applic.		69, 32	69, 32
Trt-Eval Interval		32 DA-B	32 DA-B
Plant-Eval Interval		70 DP-1	70 DP-1
Days After Emergence		52 DE-1	52 DE-1
ARM Action Codes			
Number of Decimals		0	0

Trt Treatment	Rate	Appl	18*	19*
No. Name	Rate Unit	Code		
10Bicep II Magnum	2.06lb ai/a	A	100-	100-
10Roundup Powermax 3	1 lb ae/a	A		
10N PAK AMS	2.5% v/v	A		
10Acuron GT	47 lb ae/a	B		
10NIS	0.25% v/v	B		
10Atrazine	0.5lb ai/a	B		
10N PAK AMS	2.5% v/v	B		

LSD P=.05	.	.
Standard Deviation	0.0	0.0
CV	0.0	0.0
Grand Mean	100.0	100.0
Levene's F^	.	.
Levene's Prob(F)	.	.
Rank X2	.	.
P(Rank X2)	.	.
Skewness^	.	.
Kurtosis^	.	.

Replicate F	0.000	0.000
Replicate Prob(F)	1.0000	1.0000
Treatment F	0.000	0.000
Treatment Prob(F)	1.0000	1.0000

The Ohio State University

Trial ID: 22NTCORNSHOW Cooperator Trial ID:
 Protocol ID: 22NTCORNSHOW Location: Western Branch F-9 W Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact: Joe Reed
 Investigator (Creator): Dr. Mark M. Loux

Pest Type

W, Weed = Weed or volunteer crop

Pest Code

AGSSS, Agrostis sp., Bentgrass = US
 STEME, Stellaria media, chickweed = US
 LAMPU, Lamium purpureum, purple deadnettle = US
 RANAB, Ranunculus abortivus, Smallflower buttercup = US
 ERICA, Erigeron canadensis, mare's-tail = US
 SETFA, Setaria faberi, Giant foxtail = US
 AMBTR, Ambrosia trifida, Giant ragweed = US
 CHEAL, Chenopodium album, common lambsquarters = US
 AMARE, Amaranthus retroflexus, Redroot pigweed = US
 ABUTH, Abutilon theophrasti, velvetleaf = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit/Min/Max

%, 0, 100 = percent

Plant-Eval Interval

15 DP-1 = 1 ZEAMX Apr-26-2022
 28 DP-1 = 1 ZEAMX Apr-26-2022
 37 DP-1 = 1 ZEAMX Apr-26-2022
 70 DP-1 = 1 ZEAMX Apr-26-2022