

The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

General Trial Information

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

Discipline: H herbicide
 Trial Status: E established

ARM Trial Created On: Mar-26-2020 Trial Usage/Type: 0 Research and Development
 Initiation Date: Apr-22-2020

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 °: 39.8594 N
 Longitude of LL Corner °: -83.67436 W
 Altitude of LL Corner: 1095.00 FT

Conducted Under GLP: No
 Conducted Under GEP: No

Objectives:

|

Contacts

Study Director: Anthony Dobbels

Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: C ZEAMD Zea mays indentata Dent corn BBCH Scale: BCOR
 Entry Date: Apr-23-2020 Stage Scale: BBCH
 Variety: Pioneer P1197AM
 Attributes: Glyphosate and Glufosinate Resistant
 Seed Lot No: B3PLY13085-N Seed Source: Pioneer
 % Germination: 95
 Planting Date: Apr-22-2020 Planting Rate: 32097 S/A
 Depth: 2 IN
 Rows per Plot: 4
 Row Spacing: 30 IN
 Planting Method: PLANTD planted
 Planting Equipment: FPP finger pickup planter
 Seed Bed: MEDIUM medium
 Soil Moisture: NORMAL normal, adequate
 Soil Temperature: 54 F
 Emergence Date: May-14-2020

Pest Description

Pest 1 Type: W Code: SETFA Setaria faberi
 Common Name: foxtail, giant Entry Date: Apr-23-2020

Pest 2 Type: W Code: AMBTR Ambrosia trifida
 Common Name: ragweed, giant Entry Date: May-28-2020

Pest 3 Type: W Code: CHEAL Chenopodium album
 Common Name: lambsquarters, common Entry Date: May-28-2020

Pest 4 Type: W Code: IPOHE Ipomoea hederacea
 Common Name: ivy-leaf morning glory Entry Date: May-28-2020

Pest 5 Type: W Code: ABUTH Abutilon theophrasti
 Common Name: velvetleaf Entry Date: May-28-2020

Pest 6 Type: W Code: SIDSP Sida spinosa
 Common Name: sida, prickly Entry Date: Jun-9-2020

Pest 7 Type: W Code: AMARE Amaranthus retroflexus
 Common Name: pigweed, redroot Entry Date: Jun-22-2020

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 FT² Treatments: 14 Tillage Type: CONTIL conventional-till
 Replications: 4 Study Design: RACOBL Randomized Complete Block (RCB)

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Trial Initiation Comments:

Fall Chisel Plow, spring finishing tool with disc, field cultivator, drag harrow, and rolling basket

Previous

No. Crop Year
 1. GLXMA 2019

Soil Description

Description Name: G-6
% Sand: 32 **% OM:** 2.2 **Texture:** SICL silty clay loam
% Silt: 53 **pH:** 5.9 **Soil Name:** Kokomo
% Clay: 15 **CEC:** 14.8 **Fert. Level:** G good
Soil Drainage: G good

Application Description

	A	B	C
Application Date	Apr-22-2020	May-23-2020	Jun-9-2020
Appl. Start Time	4:00 PM	9:00 AM	8:00 AM
Appl. Stop Time	4:30 PM	9:47 AM	8:30 AM
Interval to Prev. Appl.		31 DAYS	17 DAYS
Application Method	NONINC	NONINC	SPRAY
Application Timing	PREPRE	POSPOS	POSPOS
Application Placement	BROSOI	BROFOL	BROFOL
Applied By	Dobbels	Dobbels	Loux
Appl. Entry Date	Apr-23-2020	May-28-2020	Jun-9-2020
Air Temperature Start, Stop	57 58 F	65 65 F	69 69 F
% Relative Humidity Start, Stop	37 37	90 90	64 64
Wind Velocity+Dir. Start	7 MPH S	4 MPH E	8 MPH ESE
Wind Velocity+Dir. Stop	7 MPH S	4 MPH E	8 MPH ESE
Wind Velocity+Dir. Max	7 MPH S	4 MPH E	8 MPH ESE
Wet Leaves (Y/N)	N no	N no	N no
Soil Temperature	54 F	57 F	68 F
Soil Moisture	NORMAL	WET	DRY
Soil Surface Condition	MEDIUM	MEDIUM	MEDIUM
% Cloud Cover	30	33	15
Next Moisture Occurred On	Apr-23-2020	May-23-2020	Jun-9-2020
Time to Next Moisture	18 HR	8 HR	10 HR
Moisture 6 Hours after Appl.	0 IN	0 IN	0 cm
Moisture 1 Week after Appl.	1.24 IN	1.07 IN	0.37 IN

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale	ZEAMD	BCOR	ZEAMD	BCOR	ZEAMD	BCOR
Days after Emergence	-22		9		26	
Stage Majority, Percent			12	100	15	100
Height Average			3	IN	20	IN
Height Minimum, Maximum			3	3	19	21

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Pest Stage At Each Application

	A		B		C	
Pest 1 Code, Type, Scale	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent	11	90	12	80	11	10
Stage Minimum, Percent	11	90	11	10		
Stage Maximum, Percent	12	10	13	10		
Height Average	0.5	IN	3	IN		
Height Minimum, Maximum	0.5	0.75	1	3		
Density Average			256	PLA/m2		
Density Min, Max			123	345		
Pest 2 Code, Type, Scale	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent	14	80	21	90		
Stage Minimum, Percent	10	10	16	5		
Stage Maximum, Percent	16	10	21	5		
Height Average	2	IN	8	IN		
Height Minimum, Maximum	1	3	6	12		
Density Average			14	PLA/m2		
Density Min, Max			8	32		
Pest 3 Code, Type, Scale	CHEAL	W	CHEAL	W	CHEAL	W
Stage Majority, Percent	12	80	16	90		
Stage Minimum, Percent	10	10	15	5		
Stage Maximum, Percent	14	10	17	5		
Height Average	0.5	IN	3	IN		
Height Minimum, Maximum	0.25	1	2	4		
Density Average			30	PLA/m2		
Density Min, Max			0	112		
Pest 4 Code, Type, Scale	IPOHE	W	IPOHE	W	IPOHE	W
Stage Majority, Percent	10	100				
Stage Minimum, Percent	10	100				
Stage Maximum, Percent	10					
Height Average	0.5	IN				
Height Minimum, Maximum	0.5	0.5				
Density Average	0.5	PLA/m2				
Density Min, Max	0	2				
Pest 5 Code, Type, Scale	ABUTH	W	ABUTH	W	ABUTH	W
Stage Majority, Percent	10	100	12	100		
Stage Minimum, Percent	10	100				
Stage Maximum, Percent	10	100				
Height Average	0.25	IN	1	IN		
Height Minimum, Maximum	0.25	0.25	0.5	2		
Density Average			1	PLA/m2		
Density Min, Max			0	4		
Pest 6 Code, Type, Scale	SIDSP	W	SIDSP	W	SIDSP	W
Stage Majority, Percent			12	100		
Height Average			0.5	IN		
Height Minimum, Maximum			0.25	1		
Density Average			1	PLA/m2		
Density Min, Max			0	2		
Pest 7 Code, Type, Scale	AMARE	W	AMARE	W	AMARE	W
Density Average			1	PLA/m2		
Density Min, Max			0	4		

Application Equipment

	A		B		C	
Appl. Equipment	6 Foot	TTI	10'	AIXR	10'	AIXR
Equipment Type	BACCAI		BACCAI		BACCAI	
Operation Pressure	44	PSI	44	PSI	44	PSI
Nozzle Type	TTI		AIXR		AIXR	
Nozzle Size	110015		110015		110015	
Nozzle Spacing	18	IN	18	IN	18	IN
Boom Length	6.67	FT	10	FT	10	FT
Boom Height	20	IN	20	IN	20	IN
Ground Speed	3	MPH	3	MPH	3	MPH
Carrier	WATER		WATER		WATER	
Application Amount	15	GAL/AC	15	GAL/AC	15	GAL/AC
Mix Size	2	L	2	L	2	L
Propellant	COMCO2		COMCO2		COMCO2	

Context	Date	By	Notes
STATUS	Mar-26-2020	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Mar-26-2020	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Apr-23-2020	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'E' when Initiation Date entered.
STATUS	May-28-2020	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'E' when Application Date entered.

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	ABUTH
Pest Scientific Name	Setaria Ambrosia trifi>	Chenopodium al>	Abutilon theop>	
Pest Name	Giant foxtail	Giant common lambsqu>	ragweed	velvetleaf
Crop Type, Code	C ZEAMX			
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	Jun-8-2020	Jun-8-2020	Jun-8-2020	Jun-8-2020
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Lamb
Data Entry Date	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020
Rating Timing	AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	47 16	47 16	47 16	47 16
Trt-Eval Interval	47 DA-A	47 DA-A	47 DA-A	47 DA-A
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	47 DP-1
Days After Emergence	25 DE-1	25 DE-1	25 DE-1	25 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	1*	2*	3*	4*	5*
1	Lexar EZ	2.78 lb ai/a		3 qt/a		A	0 -	100 -	71 -	100 a	100 a
2	Resicore	2.06 lb ai/a		2.5 qt/a		A	0 -	96 -	70 -	100 a	100 a
3	Halex GT	2.2 lb ai/a		4 pt/a		B	0 -	100 -	73 -	100 a	100 a
3	Atrazine	0.5 lb ai/a		1 pt/a		B					
3	NIS	0.25 % v/v		0.25 % v/v		B					
3	N PAK-AMS	2.5 % v/v		2.5 % v/v		B					
4	Capreno	0.081 lb ai/a		3 oz/a		B	0 -	96 -	75 -	100 a	100 a
4	Atrazine	0.5 lb ai/a		1 pt/a		B					
4	Roundup Powermax	0.98 lb ae/a		28 oz/a		B					
4	N PAK-AMS	2.5 % v/v		2.5 % v/v		B					
5	Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	0 -	100 -	54 -	96 abc	95 ab
5	Halex GT	1.97 lb ai/a		3.6 pt/a		C					
5	Atrazine	0.5 lb ai/a		1 pt/a		C					
5	NIS	0.25 % v/v		0.25 % v/v		C					
5	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
6	Lexar EZ	1.39 lb ai/a		1.5 qt/a		A	0 -	95 -	60 -	100 a	100 a
6	Halex GT	1.97 lb ai/a		3.6 pt/a		C					
6	Atrazine	0.5 lb ai/a		1 pt/a		C					
6	NIS	0.25 % v/v		0.25 % v/v		C					
6	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
7	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	0 -	95 -	55 -	89 bcd	93 bc
8	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	0 -	97 -	55 -	88 cd	86 c
8	Shieldex	0.026 lb ai/a		1 oz/a		C					
8	Atrazine	0.5 lb ai/a		1 pt/a		C					
8	COC	1 % v/v		1 % v/v		C					
8	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
9	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	0 -	100 -	58 -	86 cd	88 c
9	Impact	0.0219 lb ai/a		1 oz/a		C					
9	Atrazine	0.5 lb ai/a		1 pt/a		C					
9	COC	1 % v/v		1 % v/v		C					
9	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					

Means followed by same letter or symbol do not significantly differ (P=0.05, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
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Pest Code	SETFA	AMBTR	CHEAL	ABUTH
Pest Scientific Name	Setaria Ambrosia trifi> faberi	Chenopodium al>	Abutilon theop>	
Pest Name	Giant foxtail	Giant common lambsqu> ragweed		velvetleaf
Crop Type, Code	C ZEAMX			
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	Jun-8-2020	Jun-8-2020	Jun-8-2020	Jun-8-2020
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Lamb
Data Entry Date	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020
Rating Timing	AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	47 16	47 16	47 16	47 16
Trt-Eval Interval	47 DA-A	47 DA-A	47 DA-A	47 DA-A
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	47 DP-1
Days After Emergence	25 DE-1	25 DE-1	25 DE-1	25 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	1*	2*	3*	4*	5*
10	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	0 -	95 -	64 -	83 d	88 c
10	Laudis	0.082 lb ai/a		3 oz/a		C					
10	Atrazine	0.5 lb ai/a		1 pt/a		C					
10	COC	1 % v/v		1 % v/v		C					
10	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
11	Resicore	2.06 lb ai/a		2.5 qt/a		A	0 -	86 -	74 -	100 a	100 a
11	Atrazine	1 lb ai/a		2 pt/a		A					
11	Durango DMA	1 lb ae/a		32 oz/a		C					
11	Status	0.0875 lb ai/a		2.5 oz/a		C					
11	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
12	Surestart	1.6 lb ai/a		3 pt/a		A	0 -	90 -	63 -	99 ab	100 a
12	Atrazine	1.5 lb ai/a		3 pt/a		A					
12	Durango DMA	1 lb ae/a		32 oz/a		C					
12	Status	0.0875 lb ai/a		2.5 oz/a		C					
12	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
13	Resicore	1.03 lb ai/a		1.25 qt/a		A	0 -	90 -	60 -	100 a	100 a
13	Atrazine	1 lb ai/a		1 qt/a		A					
13	Resicore	1.03 lb ai/a		1.25 qt/a		C					
13	Durango DMA	1 lb ae/a		1 qt/a		C					
13	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					

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Pest Code	SETFA	AMBTR	CHEAL	ABUTH
Pest Scientific Name	Setaria Ambrosia trifi>	Chenopodium a>	Abutilon theo>	
Pest Name	faberi Giant foxtail	Giant common lambsqu>	ragweed	velvetleaf
Crop Type, Code	C ZEAMX			
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	Jun-8-2020	Jun-8-2020	Jun-8-2020	Jun-8-2020
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Lamb
Data Entry Date	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020
Rating Timing	AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	47 16	47 16	47 16	47 16
Trt-Eval Interval	47 DA-A	47 DA-A	47 DA-A	47 DA-A
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	47 DP-1
Days After Emergence	25 DE-1	25 DE-1	25 DE-1	25 DE-1
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Unit Code	1*	2*	3*	4*	5*
14 Anthem Maxx	0.134 lb ai/a		4 oz/a		A	0 -	100 -	54 -	100 a	99 ab
14 Atrazine	1.5 lb ai/a		3 pt/a		A					
14 Mesotrione	0.094 lb ai/a		3 oz/a		C					
14 Atrazine	1 lb ai/a		2 pt/a		C					
14 Roundup Powermax	1.13 lb ae/a		32 oz/a		C					
14 N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
LSD P=.05							10.4	17.3	11.1	6.3
Standard Deviation						0.0	7.3	12.1	7.7	4.4
CV						0.0	7.63	19.14	8.08	4.55
Grand Mean						0.0	95.7	63.1	95.7	96.3
Levene's F						0.00	2.237	0.841	2.482	3.31
Levene's Prob(F)						.	0.025*	0.617	0.013*	0.002*
Rank X2						.	.	.	.	.
P(Rank X2)						.	.	.	.	.
Skewness						.	-2.5521*	-1.7978*	-2.6268*	-1.5029*
Kurtosis						.	7.9126*	3.9576*	7.1911*	0.7607
Replicate F						0.000	0.803	1.764	0.518	2.022
Replicate Prob(F)						1.0000	0.4997	0.1701	0.6726	0.1267
Treatment F						0.000	1.498	1.717	2.761	6.230
Treatment Prob(F)						1.0000	0.1618	0.0959	0.0071	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	IPOHE	SETFA	AMBTR	CHEAL
Pest Scientific Name	Ipomoea hederata>	Setaria faberi	Ambrosia trifida>	Chenopodium album>
Pest Name	ivy-leaf morni>	Giant foxtail	Giant ragweed	common lambsqu>
Crop Type, Code	C	Z EAMX		
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	Jun-8-2020	Jun-16-2020	Jun-24-2020	Jun-24-2020
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Lamb
Data Entry Date	Jun-22-2020	Jun-22-2020	Jul-2-2020	Jul-2-2020
Rating Timing	AT POST			
Days After First/Last Applic.	47 16	55 7	63 15	63 15
Trt-Eval Interval	47 DA-A	7 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	47 DP-1	55 DP-1	63 DP-1	63 DP-1
Days After Emergence	25 DE-1	33 DE-1	41 DE-1	41 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Other Rate	Other Unit	Appl Unit Code	6*	7*	8*	9*	10*
1	Lexar EZ	2.78 lb ai/a	3 qt/a		A	95 -	0 b	88 bc	60 e	100 a
2	Resicore	2.06 lb ai/a	2.5 qt/a		A	100 -	0 b	78 cd	65 de	100 a
3	Halex GT	2.2 lb ai/a	4 pt/a		B	98 -	0 b	89 b	69 cde	100 a
3	Atrazine	0.5 lb ai/a	1 pt/a		B					
3	NIS	0.25 % v/v	0.25 % v/v		B					
3	PAK-AMS	2.5 % v/v	2.5 % v/v		B					
4	Capreno	0.081 lb ai/a	3 oz/a		B	96 -	0 b	75 d	69 cde	100 a
4	Atrazine	0.5 lb ai/a	1 pt/a		B					
4	Roundup Powermax	0.98 lb ae/a	28 oz/a		B					
4	PAK-AMS	2.5 % v/v	2.5 % v/v		B					
5	Bicep II Magnum	2.06 lb ai/a	1.5 qt/a		A	95 -	1 a	100 a	84 ab	96 a
5	Halex GT	1.97 lb ai/a	3.6 pt/a		C					
5	Atrazine	0.5 lb ai/a	1 pt/a		C					
5	NIS	0.25 % v/v	0.25 % v/v		C					
5	PAK-AMS	2.5 % v/v	2.5 % v/v		C					
6	Lexar EZ	1.39 lb ai/a	1.5 qt/a		A	84 -	0 ab	94 ab	80 bc	100 a
6	Halex GT	1.97 lb ai/a	3.6 pt/a		C					
6	Atrazine	0.5 lb ai/a	1 pt/a		C					
6	NIS	0.25 % v/v	0.25 % v/v		C					
6	PAK-AMS	2.5 % v/v	2.5 % v/v		C					
7	Bicep II Magnum	2.3 lb ai/a	1.67 qt/a		A	93 -	0 b	75 d	43 f	74 b
8	Bicep II Magnum	2.3 lb ai/a	1.67 qt/a		A	91 -	0 b	98 ab	83 b	97 a
8	Shieldex	0.026 lb ai/a	1 oz/a		C					
8	Atrazine	0.5 lb ai/a	1 pt/a		C					
8	COC	1 % v/v	1 % v/v		C					
8	PAK-AMS	2.5 % v/v	2.5 % v/v		C					
9	Bicep II Magnum	2.3 lb ai/a	1.67 qt/a		A	89 -	0 b	98 ab	76 bcd	98 a
9	Impact	0.0219 lb ai/a	1 oz/a		C					
9	Atrazine	0.5 lb ai/a	1 pt/a		C					
9	COC	1 % v/v	1 % v/v		C					
9	PAK-AMS	2.5 % v/v	2.5 % v/v		C					

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 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	IPOHE	SETFA	AMBTR	CHEAL
Pest Scientific Name	Ipomoea hederata>	Setaria faberi	Ambrosia trifida>	Chenopodium album>
Pest Name	ivy-leaf moroni>	Giant foxtail	Giant ragweed	common lambsqu>
Crop Type, Code	C	ZEAMX		
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	Jun-8-2020	Jun-16-2020	Jun-24-2020	Jun-24-2020
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Lamb
Data Entry Date	Jun-22-2020	Jun-22-2020	Jul-2-2020	Jul-2-2020
Rating Timing	AT POST			
Days After First/Last Applic.	47 16	55 7	63 15	63 15
Trt-Eval Interval	47 DA-A	7 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	47 DP-1	55 DP-1	63 DP-1	63 DP-1
Days After Emergence	25 DE-1	33 DE-1	41 DE-1	41 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	6*	7*	8*	9*	10*
10	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	91 -	0 b	91 ab	84 ab	99 a
10	Laudis	0.082 lb ai/a		3 oz/a		C					
10	Atrazine	0.5 lb ai/a		1 pt/a		C					
10	COC	1 % v/v		1 % v/v		C					
10	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
11	Resicore	2.06 lb ai/a		2.5 qt/a		A	95 -	0 b	95 ab	96 a	100 a
11	Atrazine	1 lb ai/a		2 pt/a		A					
11	Durango DMA	1 lb ae/a		32 oz/a		C					
11	Status	0.0875 lb ai/a		2.5 oz/a		C					
11	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
12	Surestart	1.6 lb ai/a		3 pt/a		A	90 -	0 b	93 ab	74 bcd	100 a
12	Atrazine	1.5 lb ai/a		3 pt/a		A					
12	Durango DMA	1 lb ae/a		32 oz/a		C					
12	Status	0.0875 lb ai/a		2.5 oz/a		C					
12	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
13	Resicore	1.03 lb ai/a		1.25 qt/a		A	94 -	0 b	95 ab	75 bcd	100 a
13	Atrazine	1 lb ai/a		1 qt/a		A					
13	Resicore	1.03 lb ai/a		1.25 qt/a		C					
13	Durango DMA	1 lb ae/a		1 qt/a		C					
13	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					

Means followed by same letter or symbol do not significantly differ (P=0.05, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	IPOHE	SETFA	AMBTR	CHEAL
Pest Scientific Name	Ipomoea hederata	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	ivy-leaf moroni	Giant foxtail	Giant ragweed	common lambsqu
Crop Type, Code	C	Z EAMX		
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	Jun-8-2020	Jun-16-2020	Jun-24-2020	Jun-24-2020
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Lamb
Data Entry Date	Jun-22-2020	Jun-22-2020	Jul-2-2020	Jul-2-2020
Rating Timing	AT POST			
Days After First/Last Applic.	47 16	55 7	63 15	63 15
Trt-Eval Interval	47 DA-A	7 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	47 DP-1	55 DP-1	63 DP-1	63 DP-1
Days After Emergence	25 DE-1	33 DE-1	41 DE-1	41 DE-1
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Unit Code	6*	7*	8*	9*	10*
14 Anthem Maxx	0.134	lb ai/a	4	oz/a	A	88 -	0 b	98 ab	81 bc	100 a
14 Atrazine	1.5	lb ai/a	3	pt/a	A					
14 Mesotrione	0.094	lb ai/a	3	oz/a	C					
14 Atrazine	1	lb ai/a	2	pt/a	C					
14 Roundup Powermax	1.13	lb ae/a	32	oz/a	C					
14 N PAK-AMS	2.5	% v/v	2.5	% v/v	C					
LSD P=.05						12.6	0.3	11.1	13.1	8.8
Standard Deviation						8.8	0.2	7.7	9.2	6.1
CV						9.47	372.56	8.58	12.4	6.28
Grand Mean						92.7	0.1	90.3	74.1	97.4
Levene's F						0.537	4.692	2.502	1.362	2.722
Levene's Prob(F)						0.888	0.001*	0.012*	0.218	0.007*
Rank X2						.	.	.	.	.
P(Rank X2)						.	.	.	.	.
Skewness						-0.7722*	4.0752*	-1.3047*	-0.6135	-4.1113*
Kurtosis						-0.7467	15.1476*	2.113*	1.8997*	18.3756*
Replicate F						0.996	1.644	1.475	2.603	1.264
Replicate Prob(F)						0.4049	0.1950	0.2362	0.0656	0.3002
Treatment F						0.958	2.103	4.889	7.935	5.123
Treatment Prob(F)						0.5065	0.0368	0.0001	0.0001	0.0001

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 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	SIDSP	IPOHE	SETFA	AMBTR
Pest Scientific Name	Abutilon theop>	Sida spinosa	Ipomoea hederata>	Setaria faberi	Ambrosia trifida>
Pest Name	velvetleaf	Prickly sida	ivy-leaf morri>	foxtail, giant ragweed, giant	
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-24-2020	Jun-24-2020	Jun-24-2020	Jul-8-2020	Jul-8-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Loux	Loux
Data Entry Date	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-9-2020	Jul-9-2020
Rating Timing					
Days After First/Last Applic.	63 15	63 15	63 15	77 29	77 29
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	29 DA-C	
Plant-Eval Interval	63 DP-1	63 DP-1	63 DP-1	77 DP-1	77 DP-1
Days After Emergence	41 DE-1	41 DE-1	41 DE-1	55 DE-1	55 DE-1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Other Rate	Other Rate	Appl Unit Code	11*	12*	13*	14*	15*
1 Lexar EZ	2.78 lb ai/a		3 qt/a	A	100 a	88 a-d	94 -	86 a-d	72 efg
2 Resicore	2.06 lb ai/a		2.5 qt/a	A	100 a	95 abc	94 -	75 de	60 g
3 Halex GT	2.2 lb ai/a		4 pt/a	B	100 a	89 a-d	94 -	90 abc	73 d-g
3 Atrazine	0.5 lb ai/a		1 pt/a	B					
3 NIS	0.25 % v/v		0.25 % v/v	B					
3 N PAK-AMS	2.5 % v/v		2.5 % v/v	B					
4 Capreno	0.081 lb ai/a		3 oz/a	B	98 a	81 cde	83 -	73 e	65 fg
4 Atrazine	0.5 lb ai/a		1 pt/a	B					
4 Roundup Powermax	0.98 lb ae/a		28 oz/a	B					
4 N PAK-AMS	2.5 % v/v		2.5 % v/v	B					
5 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a	A	100 a	94 abc	98 -	97 a	79 c-f
5 Halex GT	1.97 lb ai/a		3.6 pt/a	C					
5 Atrazine	0.5 lb ai/a		1 pt/a	C					
5 NIS	0.25 % v/v		0.25 % v/v	C					
5 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
6 Lexar EZ	1.39 lb ai/a		1.5 qt/a	A	100 a	91 abc	89 -	92 ab	84 b-e
6 Halex GT	1.97 lb ai/a		3.6 pt/a	C					
6 Atrazine	0.5 lb ai/a		1 pt/a	C					
6 NIS	0.25 % v/v		0.25 % v/v	C					
6 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
7 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	80 b	70 e	83 -	85 a-e	43 h
8 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	100 a	74 de	90 -	94 ab	98 ab
8 Shieldex	0.026 lb ai/a		1 oz/a	C					
8 Atrazine	0.5 lb ai/a		1 pt/a	C					
8 COC	1 % v/v		1 % v/v	C					
8 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
9 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	100 a	89 a-d	89 -	90 abc	93 abc
9 Impact	0.0219 lb ai/a		1 oz/a	C					
9 Atrazine	0.5 lb ai/a		1 pt/a	C					
9 COC	1 % v/v		1 % v/v	C					
9 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					

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* Adjusted means

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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	SIDSP	IPOHE	SETFA	AMBTR
Pest Scientific Name	Abutilon theop>	Sida spinosa	Ipomoea hederata>	Setaria faberi	Ambrosia trifida>
Pest Name	velvetleaf	Prickly sida	ivy-leaf morni>	foxtail, giant ragweed, giant	
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-24-2020	Jun-24-2020	Jun-24-2020	Jul-8-2020	Jul-8-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Loux	Loux
Data Entry Date	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-9-2020	Jul-9-2020
Rating Timing					
Days After First/Last Applic.	63 15	63 15	63 15	77 29	77 29
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	29 DA-C	
Plant-Eval Interval	63 DP-1	63 DP-1	63 DP-1	77 DP-1	77 DP-1
Days After Emergence	41 DE-1	41 DE-1	41 DE-1	55 DE-1	55 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	11*	12*	13*	14*	15*
10	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	100 a	83 b-e	95 -	83 b-e	99 a
10	Laudis	0.082 lb ai/a		3 oz/a		C					
10	Atrazine	0.5 lb ai/a		1 pt/a		C					
10	COC	1 % v/v		1 % v/v		C					
10	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
11	Resicore	2.06 lb ai/a		2.5 qt/a		A	100 a	98 ab	95 -	95 ab	100 a
11	Atrazine	1 lb ai/a		2 pt/a		A					
11	Durango DMA	1 lb ae/a		32 oz/a		C					
11	Status	0.0875 lb ai/a		2.5 oz/a		C					
11	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
12	Surestart	1.6 lb ai/a		3 pt/a		A	100 a	100 a	85 -	78 cde	93 abc
12	Atrazine	1.5 lb ai/a		3 pt/a		A					
12	Durango DMA	1 lb ae/a		32 oz/a		C					
12	Status	0.0875 lb ai/a		2.5 oz/a		C					
12	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
13	Resicore	1.03 lb ai/a		1.25 qt/a		A	100 a	95 abc	93 -	96 ab	88 a-d
13	Atrazine	1 lb ai/a		1 qt/a		A					
13	Resicore	1.03 lb ai/a		1.25 qt/a		C					
13	Durango DMA	1 lb ae/a		1 qt/a		C					
13	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					

Means followed by same letter or symbol do not significantly differ (P=0.05, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	SIDSP	IPOHE	SETFA	AMBTR
Pest Scientific Name	Abutilon theop>	Sida spinosa	Ipomoea hederata>	Setaria faberi	Ambrosia trifida>
Pest Name	velvetleaf	Prickly sida	ivy-leaf morni>	foxtail, giant ragweed, giant	
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-24-2020	Jun-24-2020	Jun-24-2020	Jul-8-2020	Jul-8-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Lamb	Lamb	Lamb	Loux	Loux
Data Entry Date	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-9-2020	Jul-9-2020
Rating Timing					
Days After First/Last Applic.	63 15	63 15	63 15	77 29	77 29
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	29 DA-C	
Plant-Eval Interval	63 DP-1	63 DP-1	63 DP-1	77 DP-1	77 DP-1
Days After Emergence	41 DE-1	41 DE-1	41 DE-1	55 DE-1	55 DE-1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Unit	Appl Code	11*	12*	13*	14*	15*
14 Anthem Maxx	0.134 lb ai/a		4 oz/a			A	100 a	95 abc	89 -	95 ab	86 a-e
14 Atrazine	1.5 lb ai/a		3 pt/a			A					
14 Mesotrione	0.094 lb ai/a		3 oz/a			C					
14 Atrazine	1 lb ai/a		2 pt/a			C					
14 Roundup Powermax	1.13 lb ae/a		32 oz/a			C					
14 N PAK-AMS	2.5 % v/v		2.5 % v/v			C					
LSD P=.05							5.4	15.4	14.1	13.5	15.4
Standard Deviation							3.8	10.8	9.8	9.5	10.8
CV							3.87	12.15	10.88	10.8	13.34
Grand Mean							98.4	88.6	90.5	87.6	80.7
Levene's F							1.431	0.53	2.215	1.366	0.668
Levene's Prob(F)							0.186	0.893	0.026*	0.216	0.781
Rank X2							.	.	.	.	.
P(Rank X2)							.	.	.	.	.
Skewness							-3.8905*	-1.1355*	-0.913*	-0.4958	-0.9004*
Kurtosis							14.1847*	-0.104	0.5604	-1.0156	0.3961
Replicate F							1.353	6.811	0.104	1.471	1.433
Replicate Prob(F)							0.2713	0.0008	0.9570	0.2373	0.2479
Treatment F							7.845	2.720	0.929	2.863	9.670
Treatment Prob(F)							0.0001	0.0079	0.5333	0.0055	0.0001

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 * Adjusted means
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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	ABUTH	SIDSP	IPOHE
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Sida spinosa	Ipomoea hederata>
Pest Name	lambsquarters,>	pigweed, redro>	velvetleaf	sida, prickly	morningglory, >
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-8-2020	Jul-8-2020	Jul-8-2020	Jul-8-2020	Jul-8-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux	Loux
Data Entry Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Timing					
Days After First/Last Applic.	77 29	77 29	77 29	77 29	77 29
Trt-Eval Interval		29 DA-C			
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1	77 DP-1	77 DP-1
Days After Emergence	55 DE-1	55 DE-1	55 DE-1	55 DE-1	55 DE-1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Other Rate	Other Rate	Appl Unit Code	16*	17*	18*	19*	20*
1 Lexar EZ	2.78 lb ai/a		3 qt/a	A	100 a	100 a	100 a	98 a	90 -
2 Resicore	2.06 lb ai/a		2.5 qt/a	A	100 a	100 a	100 a	100 a	86 -
3 Halex GT	2.2 lb ai/a		4 pt/a	B	100 a	100 a	100 a	90 abc	85 -
3 Atrazine	0.5 lb ai/a		1 pt/a	B					
3 NIS	0.25 % v/v		0.25 % v/v	B					
3 N PAK-AMS	2.5 % v/v		2.5 % v/v	B					
4 Capreno	0.081 lb ai/a		3 oz/a	B	100 a	99 a	94 a	78 cd	78 -
4 Atrazine	0.5 lb ai/a		1 pt/a	B					
4 Roundup Powermax	0.98 lb ae/a		28 oz/a	B					
4 N PAK-AMS	2.5 % v/v		2.5 % v/v	B					
5 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a	A	100 a	100 a	100 a	93 abc	93 -
5 Halex GT	1.97 lb ai/a		3.6 pt/a	C					
5 Atrazine	0.5 lb ai/a		1 pt/a	C					
5 NIS	0.25 % v/v		0.25 % v/v	C					
5 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
6 Lexar EZ	1.39 lb ai/a		1.5 qt/a	A	100 a	100 a	100 a	88 abc	80 -
6 Halex GT	1.97 lb ai/a		3.6 pt/a	C					
6 Atrazine	0.5 lb ai/a		1 pt/a	C					
6 NIS	0.25 % v/v		0.25 % v/v	C					
6 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
7 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	80 b	93 b	68 b	70 d	83 -
8 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	95 a	100 a	99 a	70 d	90 -
8 Shieldex	0.026 lb ai/a		1 oz/a	C					
8 Atrazine	0.5 lb ai/a		1 pt/a	C					
8 COC	1 % v/v		1 % v/v	C					
8 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
9 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	97 a	100 a	96 a	80 bcd	83 -
9 Impact	0.0219 lb ai/a		1 oz/a	C					
9 Atrazine	0.5 lb ai/a		1 pt/a	C					
9 COC	1 % v/v		1 % v/v	C					
9 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					

Means followed by same letter or symbol do not significantly differ (P=0.05, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	ABUTH	SIDSP	IPOHE
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Sida spinosa	Ipomoea hederata>
Pest Name	lambsquarters,>	pigweed, redro>	velvetleaf	sida, prickly	morningglory, >
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-8-2020	Jul-8-2020	Jul-8-2020	Jul-8-2020	Jul-8-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux	Loux
Data Entry Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Timing					
Days After First/Last Applic.	77 29	77 29	77 29	77 29	77 29
Trt-Eval Interval		29 DA-C			
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1	77 DP-1	77 DP-1
Days After Emergence	55 DE-1	55 DE-1	55 DE-1	55 DE-1	55 DE-1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Other Rate	Other Unit	Appl Code	16*	17*	18*	19*	20*
10 Bicep II Magnum	2.3 lb ai/a	1.67 qt/a		A	100 a	99 a	100 a	80 bcd	93 -
10 Laudis	0.082 lb ai/a	3 oz/a		C					
10 Atrazine	0.5 lb ai/a	1 pt/a		C					
10 COC	1 % v/v	1 % v/v		C					
10 N PAK-AMS	2.5 % v/v	2.5 % v/v		C					
11 Resicore	2.06 lb ai/a	2.5 qt/a		A	100 a	100 a	100 a	91 abc	90 -
11 Atrazine	1 lb ai/a	2 pt/a		A					
11 Durango DMA	1 lb ae/a	32 oz/a		C					
11 Status	0.0875 lb ai/a	2.5 oz/a		C					
11 N PAK-AMS	2.5 % v/v	2.5 % v/v		C					
12 Surestart	1.6 lb ai/a	3 pt/a		A	100 a	100 a	100 a	95 ab	79 -
12 Atrazine	1.5 lb ai/a	3 pt/a		A					
12 Durango DMA	1 lb ae/a	32 oz/a		C					
12 Status	0.0875 lb ai/a	2.5 oz/a		C					
12 N PAK-AMS	2.5 % v/v	2.5 % v/v		C					
13 Resicore	1.03 lb ai/a	1.25 qt/a		A	100 a	100 a	100 a	94 abc	75 -
13 Atrazine	1 lb ai/a	1 qt/a		A					
13 Resicore	1.03 lb ai/a	1.25 qt/a		C					
13 Durango DMA	1 lb ae/a	1 qt/a		C					
13 N PAK-AMS	2.5 % v/v	2.5 % v/v		C					

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	ABUTH	SIDSP	IPOHE
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Sida spinosa	Ipomoea hederata>
Pest Name	lambsquarters,>	pigweed, redro>	velvetleaf	sida, prickly	morningglory, >
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-8-2020	Jul-8-2020	Jul-8-2020	Jul-8-2020	Jul-8-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux	Loux
Data Entry Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Timing					
Days After First/Last Applic.	77 29	77 29	77 29	77 29	77 29
Trt-Eval Interval		29 DA-C			
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1	77 DP-1	77 DP-1
Days After Emergence	55 DE-1	55 DE-1	55 DE-1	55 DE-1	55 DE-1
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Other	Other	Appl	
No. Name	Rate	Unit	Rate	Rate	Unit Code
14 Anthem Maxx	0.134 lb ai/a		4 oz/a	A	16* 100 a
14 Atrazine	1.5 lb ai/a		3 pt/a	A	17* 100 a
14 Mesotrione	0.094 lb ai/a		3 oz/a	C	18* 100 a
14 Atrazine	1 lb ai/a		2 pt/a	C	19* 84 a-d
14 Roundup Powermax	1.13 lb ae/a		32 oz/a	C	20* 75 -
14 N PAK-AMS	2.5 % v/v		2.5 % v/v	C	
LSD P=.05	7.7		3.8		9.3
Standard Deviation	5.4		2.7		6.5
CV	5.47		2.7		6.71
Grand Mean	98.0		99.3		96.9
Levene's F	1.889		6.677		5.167
Levene's Prob(F)	0.06		0.001*		0.001*
Rank X2	.		.		.
P(Rank X2)	.		.		.
Skewness	-4.0115*		-5.4373*		-4.0054*
Kurtosis	17.3427*		31.8139*		15.9614*
Replicate F	0.579		0.973		1.350
Replicate Prob(F)	0.6323		0.4152		0.2721
Treatment F	4.027		2.229		7.109
Treatment Prob(F)	0.0004		0.0269		0.0001

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 * Adjusted means
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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	ABUTH	AMARE
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium album	Abutilon theophrasti	Amaranthus retrofractus
Pest Name	foxtail, giant ragweed, giant	lambsquarters, >	velvetleaf	pigweed, redro	
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-22-2020	Jul-22-2020	Jul-22-2020	Jul-22-2020	Jul-22-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Lamb				
Data Entry Date	Jul-27-2020	Jul-27-2020	Jul-27-2020	Aug-6-2020	Jul-27-2020
Rating Timing					
Days After First/Last Applic.	91 43	91 43	91 43	91 43	91 43
Trt-Eval Interval	43 DA-C			43 DA-C	43 DA-C
Plant-Eval Interval	91 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1
Days After Emergence	69 DE-1	69 DE-1	69 DE-1	69 DE-1	69 DE-1
Number of Decimals	0				0

Trt Treatment No. Name	Rate	Other Rate	Other Rate	Appl Unit Code	21*	22*	23*	24*	25*
1 Lexar EZ	2.78 lb ai/a		3 qt/a	A	90 abc	70.0 bcd	100.0 a	100.0 a	100 -
2 Resicore	2.06 lb ai/a		2.5 qt/a	A	76 d	62.5 de	100.0 a	100.0 a	100 -
3 Halex GT	2.2 lb ai/a		4 pt/a	B	81 cd	68.8 cd	100.0 a	100.0 a	100 -
3 Atrazine	0.5 lb ai/a		1 pt/a	B					
3 NIS	0.25 % v/v		0.25 % v/v	B					
3 N PAK-AMS	2.5 % v/v		2.5 % v/v	B					
4 Capreno	0.081 lb ai/a		3 oz/a	B	75 d	70.0 bcd	100.0 a	100.0 a	95 -
4 Atrazine	0.5 lb ai/a		1 pt/a	B					
4 Roundup Powermax	0.98 lb ae/a		28 oz/a	B					
4 N PAK-AMS	2.5 % v/v		2.5 % v/v	B					
5 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a	A	94 ab	77.5 a-d	100.0 a	100.0 a	100 -
5 Halex GT	1.97 lb ai/a		3.6 pt/a	C					
5 Atrazine	0.5 lb ai/a		1 pt/a	C					
5 NIS	0.25 % v/v		0.25 % v/v	C					
5 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
6 Lexar EZ	1.39 lb ai/a		1.5 qt/a	A	84 bcd	82.5 abc	100.0 a	100.0 a	100 -
6 Halex GT	1.97 lb ai/a		3.6 pt/a	C					
6 Atrazine	0.5 lb ai/a		1 pt/a	C					
6 NIS	0.25 % v/v		0.25 % v/v	C					
6 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
7 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	95 a	47.5 e	80.0 c	85.0 b	100 -
8 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	90 abc	90.0 a	87.5 bc	100.0 a	100 -
8 Shieldex	0.026 lb ai/a		1 oz/a	C					
8 Atrazine	0.5 lb ai/a		1 pt/a	C					
8 COC	1 % v/v		1 % v/v	C					
8 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					
9 Bicep II Magnum	2.3 lb ai/a		1.67 qt/a	A	90 abc	81.3 abc	95.0 ab	97.0 a	100 -
9 Impact	0.0219 lb ai/a		1 oz/a	C					
9 Atrazine	0.5 lb ai/a		1 pt/a	C					
9 COC	1 % v/v		1 % v/v	C					
9 N PAK-AMS	2.5 % v/v		2.5 % v/v	C					

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Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	ABUTH	AMARE
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium album	Abutilon theophrasti	Amaranthus retrofractus
Pest Name	foxtail, giant ragweed, giant	lambsquarters, >	velvetleaf	pigweed, redro	
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-22-2020	Jul-22-2020	Jul-22-2020	Jul-22-2020	Jul-22-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Lamb				
Data Entry Date	Jul-27-2020	Jul-27-2020	Jul-27-2020	Aug-6-2020	Jul-27-2020
Rating Timing					
Days After First/Last Applic.	91 43	91 43	91 43	91 43	91 43
Trt-Eval Interval	43 DA-C			43 DA-C	43 DA-C
Plant-Eval Interval	91 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1
Days After Emergence	69 DE-1	69 DE-1	69 DE-1	69 DE-1	69 DE-1
Number of Decimals	0				0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	21*	22*	23*	24*	25*
10	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	88 abc	92.5 a	100.0 a	100.0 a	100 -
10	Laudis	0.082 lb ai/a		3 oz/a		C					
10	Atrazine	0.5 lb ai/a		1 pt/a		C					
10	COC	1 % v/v		1 % v/v		C					
10	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
11	Resicore	2.06 lb ai/a		2.5 qt/a		A	85 a-d	90.8 a	100.0 a	100.0 a	100 -
11	Atrazine	1 lb ai/a		2 pt/a		A					
11	Durango DMA	1 lb ae/a		32 oz/a		C					
11	Status	0.0875 lb ai/a		2.5 oz/a		C					
11	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
12	Surestart	1.6 lb ai/a		3 pt/a		A	85 a-d	86.3 a	100.0 a	100.0 a	100 -
12	Atrazine	1.5 lb ai/a		3 pt/a		A					
12	Durango DMA	1 lb ae/a		32 oz/a		C					
12	Status	0.0875 lb ai/a		2.5 oz/a		C					
12	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					
13	Resicore	1.03 lb ai/a		1.25 qt/a		A	88 abc	86.3 a	100.0 a	100.0 a	100 -
13	Atrazine	1 lb ai/a		1 qt/a		A					
13	Resicore	1.03 lb ai/a		1.25 qt/a		C					
13	Durango DMA	1 lb ae/a		1 qt/a		C					
13	N PAK-AMS	2.5 % v/v		2.5 % v/v		C					

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* Adjusted means

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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW
 Protocol ID: 20CORNSHOW
 Project ID:

Location: Western Branch G-6 Trial Year: 2020
 Investigator: Dr. Mark M. Loux
 Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	ABUTH	AMARE
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium album	Abutilon theophrasti	Amaranthus retrofractus
Pest Name	foxtail, giant ragweed, giant	lambsquarters, >	velvetleaf	pigweed, redro	
Crop Type, Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-22-2020	Jul-22-2020	Jul-22-2020	Jul-22-2020	Jul-22-2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Lamb				
Data Entry Date	Jul-27-2020	Jul-27-2020	Jul-27-2020	Aug-6-2020	Jul-27-2020
Rating Timing					
Days After First/Last Applic.	91 43	91 43	91 43	91 43	91 43
Trt-Eval Interval	43 DA-C			43 DA-C	43 DA-C
Plant-Eval Interval	91 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1
Days After Emergence	69 DE-1	69 DE-1	69 DE-1	69 DE-1	69 DE-1
Number of Decimals	0				0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Unit	Appl Code	21*	22*	23*	24*	25*
14 Anthem Maxx	0.134 lb ai/a		4 oz/a			A	88 abc	85.0 ab	100.0 a	100.0 a	100 -
14 Atrazine	1.5 lb ai/a		3 pt/a			A					
14 Mesotrione	0.094 lb ai/a		3 oz/a			C					
14 Atrazine	1 lb ai/a		2 pt/a			C					
14 Roundup Powermax	1.13 lb ae/a		32 oz/a			C					
14 N PAK-AMS	2.5 % v/v		2.5 % v/v			C					
LSD P=.05							11.1	15.17	8.19	5.20	3.8
Standard Deviation							7.8	10.61	5.73	3.64	2.7
CV							9.02	13.62	5.89	3.68	2.68
Grand Mean							86.3	77.91	97.32	98.71	99.6
Levene's F							1.556	1.077	4.662	8.464	1.00
Levene's Prob(F)							0.138	0.404	0.001*	0.001*	0.468
Rank X2							.	.	.	.	.
P(Rank X2)							.	.	.	.	.
Skewness							0.4327	-1.0154*	-3.2348*	-4.5608*	-7.4833*
Kurtosis							-1.0257	2.1609*	10.8364*	21.8984*	56.0*
Replicate F							0.757	2.212	0.961	1.310	1.000
Replicate Prob(F)							0.5253	0.1021	0.4208	0.2849	0.4031
Treatment F							2.238	5.787	4.506	4.904	1.000
Treatment Prob(F)							0.0262	0.0001	0.0001	0.0001	0.4697

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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed
Pest Code	SIDSP	IPOHE
Pest Scientific Name	Sida spinosa	Ipomoea hederata
Pest Name	sida, prickly	morningglory, >
Crop Type, Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	Jul-22-2020	Jul-22-2020
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples Assessed By	1	1
Data Entry Date	Jul-27-2020	Jul-27-2020
Rating Timing		
Days After First/Last Applic.	91 43	91 43
Trt-Eval Interval		
Plant-Eval Interval	91 DP-1	91 DP-1
Days After Emergence	69 DE-1	69 DE-1
Number of Decimals		

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	26*	27*
1	Lexar EZ	2.78 lb ai/a		3 qt/a		A	90.0 ab	80.0 -
2	Resicore	2.06 lb ai/a		2.5 qt/a		A	88.8 abc	85.0 -
3	Halex GT	2.2 lb ai/a		4 pt/a		B	90.0 ab	90.0 -
3	Atrazine	0.5 lb ai/a		1 pt/a		B		
3	NIS	0.25 % v/v		0.25 % v/v		B		
3	PAK-AMS	2.5 % v/v		2.5 % v/v		B		
4	Capreno	0.081 lb ai/a		3 oz/a		B	83.8 abc	76.3 -
4	Atrazine	0.5 lb ai/a		1 pt/a		B		
4	Roundup Powermax	0.98 lb ae/a		28 oz/a		B		
4	PAK-AMS	2.5 % v/v		2.5 % v/v		B		
5	Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	86.3 abc	90.0 -
5	Halex GT	1.97 lb ai/a		3.6 pt/a		C		
5	Atrazine	0.5 lb ai/a		1 pt/a		C		
5	NIS	0.25 % v/v		0.25 % v/v		C		
5	PAK-AMS	2.5 % v/v		2.5 % v/v		C		
6	Lexar EZ	1.39 lb ai/a		1.5 qt/a		A	87.5 abc	85.0 -
6	Halex GT	1.97 lb ai/a		3.6 pt/a		C		
6	Atrazine	0.5 lb ai/a		1 pt/a		C		
6	NIS	0.25 % v/v		0.25 % v/v		C		
6	PAK-AMS	2.5 % v/v		2.5 % v/v		C		
7	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	66.3 d	82.5 -
8	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	76.3 cd	78.8 -
8	Shieldex	0.026 lb ai/a		1 oz/a		C		
8	Atrazine	0.5 lb ai/a		1 pt/a		C		
8	COC	1 % v/v		1 % v/v		C		
8	PAK-AMS	2.5 % v/v		2.5 % v/v		C		
9	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	81.3 abc	82.5 -
9	Impact	0.0219 lb ai/a		1 oz/a		C		
9	Atrazine	0.5 lb ai/a		1 pt/a		C		
9	COC	1 % v/v		1 % v/v		C		
9	PAK-AMS	2.5 % v/v		2.5 % v/v		C		

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 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
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The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed
Pest Code	SIDSP	IPOHE
Pest Scientific Name	Sida spinosa	Ipomoea hederata
Pest Name	sida, prickly	morningglory, >
Crop Type, Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	Jul-22-2020	Jul-22-2020
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples Assessed By	1	1
Data Entry Date	Jul-27-2020	Jul-27-2020
Rating Timing		
Days After First/Last Applic.	91 43	91 43
Trt-Eval Interval		
Plant-Eval Interval	91 DP-1	91 DP-1
Days After Emergence	69 DE-1	69 DE-1
Number of Decimals		

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	26*	27*
10	Bicep II Magnum	2.3 lb ai/a		1.67 qt/a		A	78.8 bcd	85.0 -
10	Laudis	0.082 lb ai/a		3 oz/a		C		
10	Atrazine	0.5 lb ai/a		1 pt/a		C		
10	COC	1 % v/v		1 % v/v		C		
10	N PAK-AMS	2.5 % v/v		2.5 % v/v		C		
11	Resicore	2.06 lb ai/a		2.5 qt/a		A	92.5 a	86.3 -
11	Atrazine	1 lb ai/a		2 pt/a		A		
11	Durango DMA	1 lb ae/a		32 oz/a		C		
11	Status	0.0875 lb ai/a		2.5 oz/a		C		
11	N PAK-AMS	2.5 % v/v		2.5 % v/v		C		
12	Surestart	1.6 lb ai/a		3 pt/a		A	85.0 abc	80.0 -
12	Atrazine	1.5 lb ai/a		3 pt/a		A		
12	Durango DMA	1 lb ae/a		32 oz/a		C		
12	Status	0.0875 lb ai/a		2.5 oz/a		C		
12	N PAK-AMS	2.5 % v/v		2.5 % v/v		C		
13	Resicore	1.03 lb ai/a		1.25 qt/a		A	85.0 abc	78.8 -
13	Atrazine	1 lb ai/a		1 qt/a		A		
13	Resicore	1.03 lb ai/a		1.25 qt/a		C		
13	Durango DMA	1 lb ae/a		1 qt/a		C		
13	N PAK-AMS	2.5 % v/v		2.5 % v/v		C		

Means followed by same letter or symbol do not significantly differ (P=0.05, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type	W Weed	W Weed
Pest Code	SIDSP	IPOHE
Pest Scientific Name	Sida spinosa	Ipomoea hederata
Pest Name	sida, prickly	morningglory, >
Crop Type, Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	Jul-22-2020	Jul-22-2020
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples Assessed By	1	1
Data Entry Date	Jul-27-2020	Jul-27-2020
Rating Timing		
Days After First/Last Applic.	91 43	91 43
Trt-Eval Interval		
Plant-Eval Interval	91 DP-1	91 DP-1
Days After Emergence	69 DE-1	69 DE-1
Number of Decimals		

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	26*	27*
14	Anthem Maxx	0.134	lb ai/a	4	oz/a	A	86.3 abc	83.8 -
14	Atrazine	1.5	lb ai/a	3	pt/a	A		
14	Mesotrione	0.094	lb ai/a	3	oz/a	C		
14	Atrazine	1	lb ai/a	2	pt/a	C		
14	Roundup Powermax	1.13	lb ae/a	32	oz/a	C		
14	N PAK-AMS	2.5	% v/v	2.5	% v/v	C		
LSD P=.05							13.55	13.82
Standard Deviation							9.47	9.66
CV							11.26	11.63
Grand Mean							84.11	83.13
Levene's F							0.296	0.404
Levene's Prob(F)							0.99	0.96
Rank X2							.	.
P(Rank X2)							.	.
Skewness							-0.3615	0.8556*
Kurtosis							-0.3236	-0.2712
Replicate F							10.598	0.362
Replicate Prob(F)							0.0001	0.7810
Treatment F							2.063	0.728
Treatment Prob(F)							0.0407	0.7249

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

The Ohio State University

Corn Showcase Treatments

Trial ID: 20CORNSHOW Location: Western Branch G-6 Trial Year: 2020
 Protocol ID: 20CORNSHOW Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact:

Pest Type

W, Weed = Weed or volunteer crop

Pest Code

SETFA, Setaria faberi, Giant foxtail = US
 AMBTR, Ambrosia trifida, Giant ragweed = US
 CHEAL, Chenopodium album, common lambsquarters = US
 ABUTH, Abutilon theophrasti, velvetleaf = US
 IPOHE, Ipomoea hederacea, ivy-leaf morning glory = US
 SIDSP, Sida spinosa, Prickly sida = US
 SETFA, Setaria faberi, foxtail, giant = US
 AMBTR, Ambrosia trifida, ragweed, giant = US
 CHEAL, Chenopodium album, lambsquarters, common = US
 AMARE, Amaranthus retroflexus, pigweed, redroot = US
 SIDSP, Sida spinosa, sida, prickly = US
 IPOHE, Ipomoea hederacea, morningglory, ivyleaf = US

Crop Type, Code

C = EPPPO species (Bayer) codes
 ZEAMX, BCOR, Zea mays, Corn = US

Rating Type

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

Rating Unit

% = percent

Plant-Eval Interval

47 DP-1 = 1 ZEAMD Apr-22-2020
 55 DP-1 = 1 ZEAMD Apr-22-2020
 63 DP-1 = 1 ZEAMD Apr-22-2020
 77 DP-1 = 1 ZEAMD Apr-22-2020
 91 DP-1 = 1 ZEAMD Apr-22-2020