

# Purdue Weed Science

**Enlist Corn Weed Control Programs**

Trial ID: 18S-TPAC-CORN-13      Location: TPAC      Trial Year: 2018  
 Protocol ID: 18S-TPAC-CORN-13      Investigator: Dr. Bill Johnson  
 Project ID: NA18P2E001      Study Director: Dustin Johnson  
 Sponsor Contact: K. Johnson - Corteva

**General Trial Information**

**Study Director:** Dustin Johnson    **Title:** Research Associate  
**Investigator:** Dr. Bill Johnson    **Title:** Professor

**Discipline:** H herbicide

**Trial Location**

**City:** Lafayette      **Country:** USA United States  
**State/Prov.:** Indiana  
**Postal Code:** 47909

**Latitude of LL Corner °:** 40.29343 N  
**Longitude of LL Corner °:** 86.90466 W

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

**Contacts**

**Study Director:** Dustin Johnson    **Title:** Research Associate  
**Organization:** Purdue University  
**Address:** 915 W. State Street  
**City+State/Prov:** West Lafayette, IN  
**Postal Code:** 47907      **E-mail:** john1357@purdue.edu  
**Country:** USA      United States

**Investigator:** Dr. Bill Johnson    **Title:** Professor  
**Organization:** Purdue University  
**Address:** 915 W. State Street  
**City+State/Prov:** West Lafayette, IN  
**Postal Code:** 47907      **E-mail:** wgj@purdue.edu  
**Country:** USA      United States

**Cooperator/Landowner**

**Cooperator:** Jay Young      **Role:** Superintendent  
**Organization:** Purdue University  
**Address 1:** 8343 US 231 S  
**City:** Lafayette      **Phone No.:** 765-538-3422  
**State/Prov:** IN      **Fax No.:** 765-538-3423  
**Postal Code:** 47909  
**Country:** USA United States      **E-mail:** jayyoung@purdue.edu

**Crop Description**

**Crop 1:** ZEAMX      Zea mays    Corn  
**Variety:** Enlist  
**Description:** 2,4-D Choline/RR/LL

**Planting Date:** May-8-2018  
**Planting Method:** PLANTD planted  
**Planting Equipment:** PP      plot planter  
**Emergence Date:** May-14-2018

**Planting Rate, Unit:** 32000 S/A  
**Depth, Unit:** 1.5 IN  
**Row Spacing, Unit:** 30 IN  
**Rows per Plot:** 4  
**Soil Temperature, Unit:** 67 F  
**Soil Moisture:** DRY    dry

**Pest Description**

**Pest 1 Type:** W    **Code:** AMBTR Ambrosia trifida  
**Common Name:** Giant ragweed

**Pest 2 Type:** W    **Code:** CHEAL Chenopodium album  
**Common Name:** common lambsquarters

**Pest 3 Type:** W    **Code:** SETFA Setaria faberi  
**Common Name:** Giant foxtail

**Site and Design**

**Treated Plot Width:** 10 FT  
**Treated Plot Length:** 30 FT  
**Treated Plot Area:** 300 FT2    **Treatments:** 8  
**Replications:** 4

**Site Type:** FIELD    field  
**Experimental Unit:** 1    PLOT      plot  
**Tillage Type:** CONTIL conventional-till  
**Study Design:** RACOB� Randomized Complete Block (RCB)

# Purdue Weed Science

## Soil Description

**Description Name:** TPAC-Field 4A  
**% OM:** 3.1      **Texture:** SIL      silt loam  
**pH:** 6      **Soil Name:** Toronto-Millbrook  
**CEC:** 11.1

## Application Description

	A	B	C
<b>Application Date:</b>	May-8-2018	May-22-2018	May-29-2018
<b>Appl. Start Time:</b>	12:30 PM	11:00 AM	12:35 PM
<b>Appl. Stop Time:</b>	12:50 PM	11:25 AM	12:50 PM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PREPRE	POSPOS	POSPOS
<b>Application Placement:</b>	BROADC	BROADC	BROADC
<b>Applied By:</b>	T. CAMPBELL	J. HARMAAN	D. JOHNSON
<b>Air Temperature, Unit:</b>	81 F	73 F	84 F
<b>% Relative Humidity:</b>	34	82	61
<b>Wind Velocity, Unit:</b>	5 MPH	3 MPH	7 MPH
<b>Wind Direction:</b>	NE	WNW	ENE
<b>Dew Presence (Y/N):</b>	N no	N no	N no
<b>Soil Temperature, Unit:</b>	67 F	68 F	78 F
<b>Soil Moisture:</b>	DRY	SLIWET	DRY
<b>% Cloud Cover:</b>	0	80	80

## Crop Stage At Each Application

	A	B	C
<b>Crop 1 Code, BBCH Scale:</b>	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
<b>Stage Scale Used:</b>	BBCH	BBCH	BBCH
<b>Stage Majority, Percent:</b>	00	12	14
<b>Stage Minimum, Percent:</b>	00	12	13
<b>Stage Maximum, Percent:</b>	00	12	14
<b>Height, Unit:</b>		5 IN	9 IN
<b>Height Minimum, Maximum:</b>		4 6	6.5 11

## Purdue Weed Science

### Pest Stage At Each Application

	A	B	C
<b>Pest 1 Code, Type, Scale:</b>	AMBTR W	AMBTR W	AMBTR W
<b>Stage Majority, Percent:</b>	00	14	14
<b>Stage Minimum, Percent:</b>	00	10	10
<b>Stage Maximum, Percent:</b>	00	16	19
<b>Height, Unit:</b>		3 IN	4.5 IN
<b>Height Minimum, Maximum:</b>		0.25 6	0.25 10
<b>Density, Unit:</b>		6 FT2	8 FT2
<b>Pest 2 Code, Type, Scale:</b>	CHEAL W	CHEAL W	CHEAL W
<b>Stage Majority, Percent:</b>	00	12	16
<b>Stage Minimum, Percent:</b>	00	10	14
<b>Stage Maximum, Percent:</b>	00	16	19
<b>Height, Unit:</b>		0.5 IN	2 IN
<b>Height Minimum, Maximum:</b>		0.25 1	0.25 4
<b>Density, Unit:</b>		1 FT2	1.5 FT2
<b>Pest 3 Code, Type, Scale:</b>	SETFA W	SETFA W	SETFA W
<b>Stage Majority, Percent:</b>	00	12	15
<b>Stage Minimum, Percent:</b>	00	10	10
<b>Stage Maximum, Percent:</b>	00	19	19
<b>Height, Unit:</b>		3 IN	4 IN
<b>Height Minimum, Maximum:</b>		0.25 6	0.25 6.5
<b>Density, Unit:</b>		2 FT2	2 FT2

### Application Equipment

	A	B	C
<b>Appl. Equipment:</b>	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK
<b>Equipment Type:</b>	BACSPR	BACSPR	BACSPR
<b>Operation Pressure, Unit:</b>	29 PSI	29 PSI	29 PSI
<b>Nozzle Type:</b>	TTI	AIXR	AIXR
<b>Nozzle Size:</b>	110015	110015	110015
<b>Nozzle Spacing, Unit:</b>	15 IN	15 IN	15 IN
<b>Nozzles/Row:</b>	8	8	8
<b>Boom Length, Unit:</b>	10 FT	10 FT	10 FT
<b>Boom Height, Unit:</b>	17 IN	17 IN	17 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	15 GAL/AC	15 GAL/AC	15 GAL/AC
<b>Mix Size, Unit:</b>	1.8 L	1.8 L	1.8 L
<b>Propellant:</b>	COMCO2	COMCO2	COMCO2

Date	By	Notes
Jun-8-2018	D. JOHNSON	Evening storm brought hail and damage to crop occurred.

Trial Comments

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Reps: 4      Plots: 10 by 30 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1.8 L (total for 4 plots; minimum=1.564 L)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Appl Description	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	UNTREATED CHECK									101	205	303	402
2	SURESTART II	4.25 LB/GAL	L	L	2.5 pt/a	A	PRE	37.5 mL/mx	102	206	307	401	
	ENLIST DUO	3.33 LBAE/GAL	SL	SL	3.5 pt/a	C	V4	52.5 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	C	V4	45.0 mL/mx					
3	SURESTART II	4.25 LB/GAL	L	L	2.5 pt/a	A	PRE	37.5 mL/mx	103	201	304	406	
	ENLIST DUO	3.33 LBAE/GAL	SL	SL	4.67 pt/a	C	V4	70.05 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	C	V4	45.0 mL/mx					
4	RESICORE	3.29 LB/GAL	L	L	2.5 qt/a	A	PRE	75.0 mL/mx	104	208	301	404	
	ENLIST DUO	3.33 LBAE/GAL	SL	SL	3.5 pt/a	C	V4	52.5 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	C	V4	45.0 mL/mx					
5	SURESTART II	4.25 LB/GAL	L	L	3.0 pt/a	B	V2	45.0 mL/mx	105	202	305	408	
	ENLIST DUO	3.33 LBAE/GAL	SL	SL	3.5 pt/a	B	V2	52.5 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	B	V2	45.0 mL/mx					
6	RESICORE	3.29 LB/GAL	L	L	1.75 qt/a	A	PRE	52.5 mL/mx	106	204	302	407	
	REALM Q @ 4 OZ/A												
	MESOTRIONE	50 %		WG	2.5 oz/a	B	V2	2.247 g/mx					
	RESOLVE	25 %		DF	1.2 oz/a	B	V2	1.078 g/mx					
	ISOXADIFEN-ETHYL	50 %		WG	0.3 oz/a	B	V2	0.2696 g/mx					
	AATREX	4 LB/GAL	L	L	1 pt/a	B	V2	15.0 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	B	V2	45.0 mL/mx					
	COC	100 %		SL	1 % v/v	B	V2	18.0 mL/mx					
7	ACURON	3.44 LB/GAL	ZC	ZC	1.5 pt/a	A	PRE	22.5 mL/mx	107	203	308	403	
	ACURON	3.44 LB/GAL	ZC	ZC	1.5 pt/a	C	V4	22.5 mL/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL	SL	32 fl oz/a	C	V4	30.0 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	C	V4	45.0 mL/mx					
8	ACURON	3.44 LB/GAL	ZC	ZC	2 pt/a	B	V2	30.0 mL/mx	108	207	306	405	
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL	SL	32 fl oz/a	B	V2	30.0 mL/mx					
	N-PAK AMS	3.4 LBA/GAL	L	L	2.5 % v/v	B	V2	45.0 mL/mx					

Sort Order: Treatment

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Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code		AMBTR	CHEAL	SETFA	AMBTR	AMBTR		
Pest Name		Giant ragweed	common lambsqu>	Giant foxtail	Giant ragweed	Giant ragweed		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Part Rated	PLOT -	PLOT -	PLOT -	PLOT -	PLOT -	PLOT -		
Rating Date	May-22-2018	May-22-2018	May-22-2018	May-22-2018	May-29-2018	May-29-2018		
Rating Type	PHYGEN	CONTROL	CONTROL	CONTROL	PHYGEN	CONTROL		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Assessed By	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON		
Rating Timing	A1	A1	A1	A1	A2	A2		
Days After First/Last Applic.	14 14	14 14	14 14	14 14	21 7	21 7		
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A		
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	15 DE-1	15 DE-1		
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	1	2	3	4	5	6
1 UNTREATED CHECK			0	0	0	0	0	0
2 SURESTART II	2.5 pt/a	A	0 -	49 b	83 -	13 -	0 b	30 c
ENLIST DUO	3.5 pt/a	C						
N-PAK AMS	2.5 % v/v	C						
3 SURESTART II	2.5 pt/a	A	0 -	41 b	88 -	15 -	0 b	30 c
ENLIST DUO	4.67 pt/a	C						
N-PAK AMS	2.5 % v/v	C						
4 RESICORE	2.5 qt/a	A	0 -	59 a	100 -	38 -	0 b	55 b
ENLIST DUO	3.5 pt/a	C						
N-PAK AMS	2.5 % v/v	C						
5 SURESTART II	3.0 pt/a	B					6 a	96 a
ENLIST DUO	3.5 pt/a	B						
N-PAK AMS	2.5 % v/v	B						
6 RESICORE	1.75 qt/a	A	0 -	48 b	88 -	18 -	3 b	99 a
REALM Q @ 4 OZ/A								
MESOTRIONE	2.5 oz/a	B						
RESOLVE	1.2 oz/a	B						
ISOXADIFEN-ETHYL	0.3 oz/a	B						
AATREX	1 pt/a	B						
N-PAK AMS	2.5 % v/v	B						
COC	1 % v/v	B						
7 ACURON	1.5 pt/a	A	0 -	30 c	87 -	8 -	3 b	0 d
ACURON	1.5 pt/a	C						
ROUNDUP POWERMAX	32 fl oz/a	C						
N-PAK AMS	2.5 % v/v	C						
8 ACURON	2 pt/a	B					7 a	96 a
ROUNDUP POWERMAX	32 fl oz/a	B						
N-PAK AMS	2.5 % v/v	B						
LSD P=.05				9.5	36.0	23.5	3.3	5.4
Standard Deviation	0.0			6.2	22.1	15.3	2.2	3.6
CV	0.0			13.65	24.82	84.86	88.64	6.25
Levene's F	0.00			0.441	0.153	2.143	0.884	2.077
Levene's Prob(F)	0.00*			0.777	0.958	0.126	0.524	0.10
Skewness				0.0513	-1.3165*	1.2279*	1.01*	-0.195
Kurtosis				-0.9812	-0.2615	1.2954	-0.2589	-1.5396
Replicate F	0.000			13.760	1.763	0.286	1.044	0.818
Replicate Prob(F)	1.0000			0.0003	0.2318	0.8348	0.3971	0.5009
Treatment F	0.000			11.754	0.334	2.271	6.474	481.249
Treatment Prob(F)	1.0000			0.0004	0.8477	0.1218	0.0009	0.0001

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.  
 Untreated treatment(s) 1 excluded from analysis.  
 Missing data estimates are included in columns: Yates=7,11; Average=3  
 Could not calculate LSD (% mean diff) for columns 1,16 because error mean square = 0.

# Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	CHEAL	SETFA		AMBTR	CHEAL	SETFA		
Pest Name	common lambsqu>	Giant foxtail		Giant ragweed	common lambsqu>	Giant foxtail		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Part Rated	PLOT -	PLOT -	PLOT -	PLOT -	PLOT -	PLOT -		
Rating Date	May-29-2018	May-29-2018	Jun-6-2018	Jun-6-2018	Jun-6-2018	Jun-6-2018		
Rating Type	CONTROL	CONTROL	PHYGEN	CONTROL	CONTROL	CONTROL		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Assessed By	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON		
Rating Timing	A2	A2	A3	A3	A3	A3		
Days After First/Last Applic.	21 7	21 7	29 8	29 8	29 8	29 8		
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A		
Days After Emergence	15 DE-1	15 DE-1	23 DE-1	23 DE-1	23 DE-1	23 DE-1		
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	7	8	9	10	11	12
1 UNTREATED CHECK			0	0	0	0	0	0
2 SURESTART II	2.5 pt/a	A	78 -	5 d	2 ab	98 a	100 -	98 a
ENLIST DUO	3.5 pt/a	C						
N-PAK AMS	2.5 % v/v	C						
3 SURESTART II	2.5 pt/a	A	85 -	8 cd	1 b	98 a	100 -	97 a
ENLIST DUO	4.67 pt/a	C						
N-PAK AMS	2.5 % v/v	C						
4 RESICORE	2.5 qt/a	A	88 -	23 c	0 b	99 a	100 -	97 a
ENLIST DUO	3.5 pt/a	C						
N-PAK AMS	2.5 % v/v	C						
5 SURESTART II	3.0 pt/a	B	100 -	99 a	3 a	99 a	100 -	98 a
ENLIST DUO	3.5 pt/a	B						
N-PAK AMS	2.5 % v/v	B						
6 RESICORE	1.75 qt/a	A	100 -	71 b	0 b	98 a	100 -	80 c
REALM Q @ 4 OZ/A								
MESOTRIONE	2.5 oz/a	B						
RESOLVE	1.2 oz/a	B						
ISOXADIFEN-ETHYL	0.3 oz/a	B						
AATREX	1 pt/a	B						
N-PAK AMS	2.5 % v/v	B						
COC	1 % v/v	B						
7 ACURON	1.5 pt/a	A	85 -	0 d	0 b	87 b	100 -	88 b
ACURON	1.5 pt/a	C						
ROUNDUP POWERMAX	32 fl oz/a	C						
N-PAK AMS	2.5 % v/v	C						
8 ACURON	2 pt/a	B	100 -	99 a	3 a	98 a	100 -	100 a
ROUNDUP POWERMAX	32 fl oz/a	B						
N-PAK AMS	2.5 % v/v	B						
LSD P=.05	36.1	16.8	1.8	2.0	0.0	5.9		
Standard Deviation	23.8	11.3	1.2	1.3	0.0	4.0		
CV	26.2	25.94	106.9	1.39	0.02	4.26		
Levene's F	0.613	1.964	1.404	1.322	0.00	1.388		
Levene's Prob(F)	0.717	0.117	0.259	0.291	0.00*	0.265		
Skewness	-2.107*	0.2631	1.3516*	-2.2903*	.	-1.6395*		
Kurtosis	3.0179*	-1.8274*	0.5551	4.0268*	.	2.4855*		
Replicate F	0.497	1.393	3.221	1.817	2.523	0.146		
Replicate Prob(F)	0.6902	0.2773	0.0473	0.1801	0.0970	0.9309		
Treatment F	0.580	63.203	4.989	40.189	0.833	13.129		
Treatment Prob(F)	0.7404	0.0001	0.0036	0.0001	0.5626	0.0001		

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.  
Untreated treatment(s) 1 excluded from analysis.  
Missing data estimates are included in columns: Yates=7,11; Average=3  
Could not calculate LSD (% mean diff) for columns 1,16 because error mean square = 0.

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Pest Type Pest Code Pest Name		W Weed AMBTR Giant ragweed	W Weed SETFA Giant foxtail		W Weed AMBTR Giant ragweed	W Weed SETFA Giant foxtail		
Crop Code Crop Name Part Rated Rating Date Rating Type Rating Unit Number of Subsamples Assessed By	ZEAMX Corn PLOT - Jun-13-2018 PHYGEN % 1 D. JOHNSON	ZEAMX Corn PLOT - Jun-13-2018 CONTROL % 1 D. JOHNSON	ZEAMX Corn PLOT - Jun-13-2018 CONTROL % 1 D. JOHNSON	ZEAMX Corn PLOT - Jun-19-2018 PHYGEN % 1 D. JOHNSON	ZEAMX Corn PLOT - Jun-19-2018 CONTROL % 1 D. JOHNSON	ZEAMX Corn PLOT - Jun-19-2018 CONTROL % 1 D. JOHNSON		
Rating Timing Days After First/Last Applic. Trt-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	A4 36 15 14 DA-A 30 DE-1 P 0	A4 36 15 14 DA-A 30 DE-1 P 0	A4 36 15 14 DA-A 30 DE-1 P 0	A5 42 21 14 DA-A 36 DE-1 P 0	A5 42 21 14 DA-A 36 DE-1 P 0	A5 42 21 14 DA-A 36 DE-1 P 0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	13	14	15	16	17	18
1 UNTREATED CHECK			0	0	0	0	0	0
2 SURESTART II ENLIST DUO N-PAK AMS	2.5 pt/a A 3.5 pt/a C 2.5 % v/v C		0 -	96 a	100 a	0 -	90 a-d	98 a
3 SURESTART II ENLIST DUO N-PAK AMS	2.5 pt/a A 4.67 pt/a C 2.5 % v/v C		0 -	94 a	100 a	0 -	87 cd	100 a
4 RESICORE ENLIST DUO N-PAK AMS	2.5 qt/a A 3.5 pt/a C 2.5 % v/v C		0 -	95 a	100 a	0 -	94 a	100 a
5 SURESTART II ENLIST DUO N-PAK AMS	3.0 pt/a B 3.5 pt/a B 2.5 % v/v B		1 -	93 a	99 a	0 -	89 bcd	98 a
6 RESICORE REALM Q @ 4 OZ/A MESOTRIONE RESOLVE ISOXADIFEN-ETHYL AATREX N-PAK AMS COC	1.75 qt/a A 2.5 oz/a B 1.2 oz/a B 0.3 oz/a B 1 pt/a B 2.5 % v/v B 1 % v/v B		0 -	95 a	70 b	0 -	93 ab	54 b
7 ACURON ACURON ROUNDUP POWERMAX N-PAK AMS	1.5 pt/a A 1.5 pt/a C 32 fl oz/a C 2.5 % v/v C		0 -	94 a	95 a	0 -	90 abc	93 a
8 ACURON ROUNDUP POWERMAX N-PAK AMS	2 pt/a B 32 fl oz/a B 2.5 % v/v B		0 -	90 b	98 a	0 -	85 d	95 a
LSD P=.05	0.8	3.0	6.9	.	5.1	10.2		
Standard Deviation	0.6	2.0	4.6	0.0	3.4	6.9		
CV	529.15	2.17	4.9	0.0	3.8	7.57		
Levene's F		2.712	1.048	0.00	2.916	1.534		
Levene's Prob(F)		0.041*	0.423	0.00*	0.031*	0.216		
Skewness	5.2915*	-0.5641	-1.9962*	.	-0.3784	-2.0529*		
Kurtosis	28.0*	-0.9605	2.8166*	.	-1.2306	3.2159*		
Replicate F	1.000	2.420	2.397	0.000	1.675	1.741		
Replicate Prob(F)	0.4155	0.0996	0.1019	1.0000	0.2079	0.1945		
Treatment F	1.000	3.959	22.376	0.000	3.642	23.272		
Treatment Prob(F)	0.4552	0.0106	0.0001	1.0000	0.0152	0.0001		

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.  
Untreated treatment(s) 1 excluded from analysis.  
Missing data estimates are included in columns: Yates=7,11; Average=3  
Could not calculate LSD (% mean diff) for columns 1,16 because error mean square = 0.

# Purdue Weed Science

## Enlist Corn Weed Control Programs

Trial ID: 18S-TPAC-CORN-13      Location: TPAC      Trial Year: 2018  
Protocol ID: 18S-TPAC-CORN-13      Investigator: Dr. Bill Johnson  
Project ID: NA18P2E001      Study Director: Dustin Johnson  
Sponsor Contact: K. Johnson - Corteva

Pest Type

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

Pest Code

AMBTR, Ambrosia trifida, Giant ragweed = US

CHEAL, Chenopodium album, common lambsquarters = US

SETFA, Setaria faberi, Giant foxtail = US

Crop Code

ZEAMX, BCOR, Zea mays, Corn = US

Part Rated

PLOT = plot

Rating Type

PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

Rating Timing

A1 = 1st Assessment According to Trial Schedule

A2 = 2nd Assessment According to trial Schedule

A3 = 3rd Assessment According to Trial Schedule

A4 = 4th Assessment According to Trial Schedule

A5 = 5th Assessment According to Trial Schedule

ARM Action Codes

P = Rating scale of 0 to 100 (e.g. % control or injury)