

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01 Location: TPAC Trial Y  
 Protocol ID: 19S-TPAC-CORN-01 Investigator (Creator): Dr. Bill Johnson  
 Project ID: USA-19-751 Study Director: Dustin Johnson & Marcelo Zimmer  
 Sponsor Contact: N. Hustedde - FMC

### General Trial Information

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

**Discipline:** H herbicide  
**Trial Status:** E established

**ARM Trial Created On:** Apr-18-2019  
**Initiation Date:** May-21-2019

### Trial Location

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

**Latitude of LL Corner °:** 40.29176 N  
**Longitude of LL Corner °:** -86.90927 W

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

### Contacts

**Role:** STYDIR

**Study Director:** Dustin Johnson & Marcelo Zimmer **Title:** Research Associate  
**Organization:** Purdue University  
**Address 1:** 915 W. State Street  
**Country:** USA United States **E-mail:** john1357@purdue.edu  
**City:** West Lafayette, IN **Postal Code:** 47907

**Role:** INVEST

**Investigator:** Dr. Bill Johnson **Title:** Professor  
**Organization:** Purdue University  
**Address 1:** 915 W. State Street  
**Country:** USA United States **E-mail:** wgj@purdue.edu  
**City:** West Lafayette, IN **Postal Code:** 47907

**Role:** COOPER

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

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### Crop Description

**Crop 1:** C ZEAMX Zea mays Corn **BBCH Scale:** BCOR  
**Entry Date:** May-23-2019 **Stage Scale:** BBCH  
**Variety:** DKC62-52RIB  
**Attributes:** RR/LL Stacked  
**Planting Date:** May-21-2019 **Planting Rate:** 32000 S/A  
**Depth:** 1.75 IN  
**Rows per Plot:** 4 **Planting Method:** PLANTD planted  
**Row Spacing:** 30 IN **Planting Equipment:** PP plot planter  
**Soil Temperature:** 58 F **Soil Moisture:** SLIWET slightly wet, moist  
**Emergence Date:** May-29-2019  
**Harvested Width:** 5 FT  
**Harvested Length:** 25 FT  
**% Standard Moisture:** 15.5

### Pest Description

**Pest 1 Type:** W **Code:** AMBTR Ambrosia trifida **Entry Date:** Jun-10-2019  
**Common Name:** Giant ragweed **Stage Scale:** BBCH  
**Pest 2 Type:** W **Code:** SETFA Setaria faberi **Entry Date:** Jun-10-2019  
**Common Name:** Giant foxtail **Stage Scale:** BBCH  
**Pest 3 Type:** W **Code:** ECHSS Echinochloa sp. **Entry Date:** Jun-10-2019  
**Common Name:** Barnyardgrass **Stage Scale:** BBCH

### 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 FT<sup>2</sup> **Treatments:** 9 **Tillage Type:** CONTIL conventional-till  
**Replications:** 4 **Study Design:** RACOB� Randomized Comple

### Field Prep./Maintenance:

4/21/19 Farm Applied 180 lbs of N applied as UAN 28-0-0.

### Soil Description

**Description Name:** TPAC- Field 4B  
**% OM:** 2.9 **Texture:** SIL silt loam  
**pH:** 6.2 **Soil Name:** Toronto-Millbrook  
**CEC:** 13.3

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### Application Description

	A	B	C
<b>Application Date</b>	May-21-2019	Jun-7-2019	Jun-17-2019
<b>Appl. Start Time</b>	4:35 PM	10:15 AM	2:40 PM
<b>Appl. Stop Time</b>	5:00 PM	10:20 AM	2:45 PM
<b>Interval to Prev. Appl.</b>		17 DAYS	10 DAYS
<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>	W. PETERSEN	D. JOHNSON	C. HODGSKISS
<b>Appl. Entry Date</b>	May-23-2019	Jun-10-2019	Jun-20-2019
<b>Air Temperature Start, Stop</b>	56 F	74 F	78 F
<b>% Relative Humidity Start, Stop</b>	72	58	77
<b>Wind Velocity+Dir. Start</b>	9 MPH E	8 MPH NE	3 MPH S
<b>Soil Temperature</b>	58 F	72 F	78 F
<b>Soil Moisture</b>	SLIWET	SLIWET	DRY
<b>% Cloud Cover</b>	100	20	100

### Crop Stage At Each Application

	A	B	C
<b>Crop 1 Code, BBCH Scale</b>	ZEAMX BCOR	BCOR	BCOR
<b>Days after Emergence</b>	-8	9	19
<b>Stage Scale Used</b>	BBCH	BBCH	BBCH
<b>Stage Majority, Percent</b>	00	12	15
<b>Stage Minimum, Percent</b>	00	11	13
<b>Stage Maximum, Percent</b>	00	12	15
<b>Diameter Average</b>	0 IN	0 IN	0 IN
<b>Height Average</b>	0 IN	3.5 IN	8 IN
<b>Height Minimum, Maximum</b>	0 00	2.5 4	3 10

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### Pest Stage At Each Application

	A		B		C	
<b>Pest 1 Code, Type, Scale</b>	AMBTR W				W	
<b>Stage Majority, Percent</b>	00		12		12	
<b>Stage Minimum, Percent</b>	00		09		10	
<b>Stage Maximum, Percent</b>	00		14		14	
<b>Diameter Average</b>	00	IN	00	IN	00	IN
<b>Height Average</b>	00	IN	2	IN	0.5	IN
<b>Height Minimum, Maximum</b>	00	00	2.5	4	0	3
<b>Density Average</b>	00	FT2	7	FT2	7	FT2
<b>Density Minimum, Maximum</b>	00	00	3	17	0	11
<b>Stage Majority, Percent</b>	00		12		00	
<b>Stage Minimum, Percent</b>	00		09		00	
<b>Stage Maximum, Percent</b>	00		13		00	
<b>Diameter Average</b>	00	IN	00	IN	00	IN
<b>Height Average</b>	00	IN	2	IN	00	IN
<b>Height Minimum, Maximum</b>	00	00	0.25	4	00	00
<b>Density Average</b>	00	FT2	5	FT2	00	FT2
<b>Density Minimum, Maximum</b>	00	00	0	10	00	00
<b>Stage Majority, Percent</b>	00		12		00	
<b>Stage Minimum, Percent</b>	00		09		00	
<b>Stage Maximum, Percent</b>	00		13		00	
<b>Diameter Average</b>	00	IN	00	IN	00	IN
<b>Height Average</b>	00	IN	2	IN	00	IN
<b>Height Minimum, Maximum</b>	00	00	0.25	3	00	00
<b>Density Average</b>	00	FT2	4	FT2	00	FT2
<b>Density Minimum, Maximum</b>	00	00	0	8	00	00

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### 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</b>	29 PSI	18 PSI	29 PSI
<b>Nozzle Type</b>	TTI	FLAFXR	TTI
<b>Nozzle Size</b>	110015	XR8002	110015
<b>Nozzle Spacing</b>	15 IN	15 IN	15 IN
<b>Nozzles/Row</b>	8	8	8
<b>Boom Length</b>	10 FT	10 FT	10 FT
<b>Boom Height</b>	17 IN	17 IN	17 IN
<b>Ground Speed</b>	3 MPH	3 MPH	3 MPH
<b>Carrier</b>	WATER	WATER	WATER
<b>Application Amount</b>	15 GAL/AC	15 GAL/AC	15 GAL/AC
<b>Mix Size</b>	1.8 liters	1.8 liters	1.8 liters
<b>Propellant</b>	COMCO2	COMCO2	COMCO2

Context	Date	By	Notes
STATUS	Apr-18-2019	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	May-23-2019	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'E' when Planting Date entered.
MAINT	May-21-2019	Co-op Applied	Farm Applied 180 lbs of N applied as UAN 28-0-0.
GENTRI	May-28-2019	D. JOHNSON	Corn still emerging and therefore did not rate.
APPLIC	Jun-7-2019	D. JOHNSON	Due to weather EPOST "B" application was sprayed a growth stage late.
GENTRI	Jun-17-2019	D. JOHNSON	Application "C" was applied due to corn size rather than weed size and weed emergence.

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Reps: 4

Plots: 10 by 30 feet

Appl. Amount: 15 GAL/AC

Mix Size: 1.8 liters (total for 4 plots; minimum=1.564 liters)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Appl Amount Unit	Mix Size Unit	Mix Unit	Amt Product to Measure
1	UNTREATED CHECK								
2	ANTHEM MAXX	4.3 LB/GAL		SC	4 fl oz/a	15 GAL/AC	1.8 liters	3.75 mL/mx	
	BALANCE FLEXX	2 LB/GAL		L	3 fl oz/a	15 GAL/AC	1.8 liters	2.812 mL/mx	
	AATREX	4 LB/GAL		L	2 qt/a	15 GAL/AC	1.8 liters	60.0 mL/mx	
3	ANTHEM MAXX	4.3 LB/GAL		SC	4 fl oz/a	15 GAL/AC	1.8 liters	3.75 mL/mx	
	CALLISTO	4 LB/GAL		L	6 fl oz/a	15 GAL/AC	1.8 liters	5.625 mL/mx	
	AATREX	4 LB/GAL		L	2 qt/a	15 GAL/AC	1.8 liters	60.0 mL/mx	
4	CORVUS	2.63 LB/GAL		SC	5.6 fl oz/a	15 GAL/AC	1.8 liters	5.25 mL/mx	
	AATREX	4 LB/GAL		L	2 qt/a	15 GAL/AC	1.8 liters	60.0 mL/mx	
5	ACURON	3.44 LB/GAL		ZC	3 qt/a	15 GAL/AC	1.8 liters	90.0 mL/mx	
6	RESICORE	3.29 LB/GAL		L	2.5 qt/a	15 GAL/AC	1.8 liters	75.0 mL/mx	
7	ANTHEM MAXX	4.3 LB/GAL		SC	4 fl oz/a	15 GAL/AC	1.8 liters	3.75 mL/mx	
	CALLISTO	4 LB/GAL		L	3 fl oz/a	15 GAL/AC	1.8 liters	2.812 mL/mx	
	AATREX	4 LB/GAL		L	2 qt/a	15 GAL/AC	1.8 liters	60.0 mL/mx	
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	32 fl oz/a	15 GAL/AC	1.8 liters	30.0 mL/mx	
	N-PAK AMS	3.4 LBA/GAL		L	2.5 % v/v	15 GAL/AC	1.8 liters	45.0 mL/mx	
8	DEGREE XTRA	4.40 LB/GAL		L	3 qt/a	15 GAL/AC	1.8 liters	90.0 mL/mx	
	CALLISTO	4 LB/GAL		L	3 fl oz/a	15 GAL/AC	1.8 liters	2.812 mL/mx	
	AATREX	4 LB/GAL		L	1 qt/a	15 GAL/AC	1.8 liters	30.0 mL/mx	
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	32 fl oz/a	15 GAL/AC	1.8 liters	30.0 mL/mx	
	N-PAK AMS	3.4 LBA/GAL		L	2.5 % v/v	15 GAL/AC	1.8 liters	45.0 mL/mx	
9	ANTHEM MAXX	4.3 LB/GAL		SC	4 fl oz/a	15 GAL/AC	1.8 liters	3.75 mL/mx	
	CALLISTO	4 LB/GAL		L	6 fl oz/a	15 GAL/AC	1.8 liters	5.625 mL/mx	
	AATREX	4 LB/GAL		L	1.5 qt/a	15 GAL/AC	1.8 liters	45.0 mL/mx	
	AATREX	4 LB/GAL		L	1 pt/a	15 GAL/AC	1.8 liters	15.0 mL/mx	
	STATUS	56 %		DG	4 oz/a	15 GAL/AC	1.8 liters	3.595 g/mx	
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	32 fl oz/a	15 GAL/AC	1.8 liters	30.0 mL/mx	
	N-PAK AMS	3.4 LBA/GAL		L	2.5 % v/v	15 GAL/AC	1.8 liters	45.0 mL/mx	

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
18.750	mL	ANTHEM MAXX	4.3	LB/GAL	SC	
3.516	mL	BALANCE FLEXX	2	LB/GAL	L	
412.499	mL	AATREX	4	LB/GAL	L	

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Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
21.094	mL	CALLISTO	4	LB/GAL	L	
6.562	mL	CORVUS	2.63	LB/GAL	SC	
112.500	mL	ACURON	3.44	LB/GAL	ZC	
93.750	mL	RESICORE	3.29	LB/GAL	L	
112.500	mL	ROUNDUP POWERMAX	4.5	LBAE/GAL	SL	
168.732	mL	N-PAK AMS	3.4	LBA/GAL	L	
112.500	mL	DEGREE XTRA	4.40	LB/GAL	L	
4.493	g	STATUS	56	%	DG	

\* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 1.8 L (mix size basis).

\* Product amount calculations increased 25 % for overage adjustment.

\* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 1.8 L.

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	W Weed	W Weed	W Weed
Pest Type	AMBTR	SETFA	ECHSS
Pest Code	AMBTR	SETFA	ECHSS
Pest Scientific Name	Ambrosia trifida	Setaria faberi	Echinochloa sp.
Pest Name	Giant ragweed	Giant foxtail	Barnyardgrass
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-4-2019	Jun-4-2019	Jun-4-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date	Jun-10-2019	Jun-10-2019	Jun-10-2019
Rating Timing	A1	A1	A1
Days After First/Last Applic.	14 14	14 14	14 14
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1
Days After Emergence	6 DE-1	6 DE-1	6 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
1 UNTREATED CHECK			0
2 ANTHEM MAXX	4 fl oz/a A		97 a
BALANCE FLEXX	3 fl oz/a A		
AATREX	2 qt/a A		
3 ANTHEM MAXX	4 fl oz/a A		96 a
CALLISTO	6 fl oz/a A		
AATREX	2 qt/a A		
4 CORVUS	5.6 fl oz/a A		96 a
AATREX	2 qt/a A		
5 ACURON	3 qt/a A		74 a
6 RESICORE	2.5 qt/a A		96 a

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.



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	W Weed	W Weed	W Weed
Pest Type	AMBTR	SETFA	ECHSS
Pest Code	AMBTR	SETFA	ECHSS
Pest Scientific Name	Ambrosia trifida	Setaria faberi	Echinochloa sp.
Pest Name	Giant ragweed	Giant foxtail	Barnyardgrass
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-4-2019	Jun-4-2019	Jun-4-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
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ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment			
No. Name	Rate Unit Code		
		1	2
			3
7 ANTHEM MAXX	4 fl oz/a B		
CALLISTO	3 fl oz/a B		
AATREX	2 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		
8 DEGREE XTRA	3 qt/a B		
CALLISTO	3 fl oz/a B		
AATREX	1 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		

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Days After Emergence	6 DE-1	6 DE-1	6 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			1
			2
			3
9 ANTHEM MAXX	4 fl oz/a A		97 a
CALLISTO	6 fl oz/a A		100 a
AATREX	1.5 qt/a A		100 a
AATREX	1 pt/a C		
STATUS	4 oz/a C		
ROUNDUP POWERMAX	32 fl oz/a C		
N-PAK AMS	2.5 % v/v C		
LSD P=.05	27.0	.	.
Standard Deviation	17.9	0.0	0.0
CV	19.38	0.0	0.0
Grand Mean	92.6	100.0	100.0
Levene's F	0.982	0.00	0.00
Levene's Prob(F)	0.456	0.00*	0.00*
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness	-4.8464*	.	.

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BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-4-2019	Jun-4-2019	Jun-4-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
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Days After Emergence	6 DE-1	6 DE-1	6 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment			
No. Name	Rate Appl		
	Rate Unit Code		
	1	2	3
Kurtosis	23.6454*	.	.
Replicate F	0.870	0.000	0.000
Replicate Prob(F)	0.4781	1.0000	1.0000
Treatment F	1.036	0.000	0.000
Treatment Prob(F)	0.4324	1.0000	1.0000

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

		W Weed	W Weed
Pest Type		AMBTR	SETFA
Pest Code			
Pest Scientific Name		Ambrosia trifida	Setaria faberi
Pest Name		Giant ragweed	Giant foxtail
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-4-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date	Jun-10-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A1	A2	A2
Days After First/Last Applic.	14 14	27 10	27 10
Plant-Eval Interval	14 DP-1	27 DP-1	27 DP-1
Days After Emergence	6 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			4 5 6
1 UNTREATED CHECK			0 0 0
2 ANTHEM MAXX	4 fl oz/a A		3 a 87 d 100 a
BALANCE FLEXX	3 fl oz/a A		
AATREX	2 qt/a A		
3 ANTHEM MAXX	4 fl oz/a A		0 a 90 bc 100 a
CALLISTO	6 fl oz/a A		
AATREX	2 qt/a A		
4 CORVUS	5.6 fl oz/a A		3 a 92 b 100 a
AATREX	2 qt/a A		
5 ACURON	3 qt/a A		0 a 89 cd 100 a
6 RESICORE	2.5 qt/a A		3 a 90 bc 100 a

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type		W Weed	W Weed
Pest Code		AMBTR	SETFA
Pest Scientific Name		Ambrosia trifida	Setaria faberi
Pest Name		Giant ragweed	Giant foxtail
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-4-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date	Jun-10-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A1	A2	A2
Days After First/Last Applic.	14 14	27 10	27 10
Plant-Eval Interval	14 DP-1	27 DP-1	27 DP-1
Days After Emergence	6 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code	4	5
7 ANTHEM MAXX	4 fl oz/a B		100 a
CALLISTO	3 fl oz/a B	95 a	
AATREX	2 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		
8 DEGREE XTRA	3 qt/a B	97 a	100 a
CALLISTO	3 fl oz/a B		
AATREX	1 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

		W Weed	W Weed
Pest Type		AMBTR	SETFA
Pest Code		Ambrosia trifida	Setaria faberi
Pest Scientific Name		Giant ragweed	Giant foxtail
Pest Name		C ZEAMX	C ZEAMX
Crop Type, Code	C ZEAMX	BCOR	BCOR
BBCH Scale	BCOR	Zea mays	Zea mays
Crop Scientific Name	Zea mays	Corn	Corn
Crop Name	Corn	Jun-4-2019	Jun-17-2019
Rating Date	Jun-4-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date	Jun-10-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A1	A2	A2
Days After First/Last Applic.	14 14	27 10	27 10
Plant-Eval Interval	14 DP-1	27 DP-1	27 DP-1
Days After Emergence	6 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
		4	5
9 ANTHEM MAXX	4 fl oz/a A	4 a	91 bc
CALLISTO	6 fl oz/a A		100 a
AATREX	1.5 qt/a A		
AATREX	1 pt/a C		
STATUS	4 oz/a C		
ROUNDUP POWERMAX	32 fl oz/a C		
N-PAK AMS	2.5 % v/v C		
LSD P=.05	5.6	2.2	.
Standard Deviation	3.7	1.5	0.0
CV	198.26	1.66	0.0
Grand Mean	1.9	91.4	100.0
Levene's F	0.692	1.599	0.00
Levene's Prob(F)	0.636	0.184	0.00*
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness	1.7067*	0.0396	.

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type		W Weed	W Weed
Pest Code		AMBTR	SETFA
Pest Scientific Name		Ambrosia trifida	Setaria faberi
Pest Name		Giant ragweed	Giant foxtail
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-4-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date	Jun-10-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A1	A2	A2
Days After First/Last Applic.	14 14	27 10	27 10
Plant-Eval Interval	14 DP-1	27 DP-1	27 DP-1
Days After Emergence	6 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			4
			5
			6
Kurtosis	1.1378	-1.0635	.
Replicate F	2.085	13.354	0.000
Replicate Prob(F)	0.1451	0.0001	1.0000
Treatment F	0.678	17.289	0.000
Treatment Prob(F)	0.6465	0.0001	1.0000

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed		W Weed
Pest Type	ECHSS		AMBTR
Pest Code	ECHSS		AMBTR
Pest Scientific Name	Echinochloa sp.		Ambrosia trifida
Pest Name	Barnyardgrass		Giant ragweed
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-17-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	PHYGEN	COUNT
Rating Unit	%	%	m2
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	D. JOHNSON
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A2	A2	A3
Days After First/Last Applic.	27 10	27 10	27 10
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			7
1 UNTREATED CHECK			0
2 ANTHEM MAXX	4 fl oz/a A		100 a
BALANCE FLEXX	3 fl oz/a A		
AATREX	2 qt/a A		0 a
3 ANTHEM MAXX	4 fl oz/a A		100 a
CALLISTO	6 fl oz/a A		
AATREX	2 qt/a A		0 a
4 CORVUS	5.6 fl oz/a A		100 a
AATREX	2 qt/a A		0 a
5 ACURON	3 qt/a A		100 a
6 RESICORE	2.5 qt/a A		100 a
			8
			9
			58
			34 a
			33 a
			34 a
			61 a

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.



# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed		W Weed
Pest Type	ECHSS		AMBTR
Pest Code	ECHSS		AMBTR
Pest Scientific Name	Echinochloa sp.		Ambrosia trifida
Pest Name	Barnyardgrass		Giant ragweed
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-17-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	PHYGEN	COUNT
Rating Unit	%	%	m2
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	D. JOHNSON
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A2	A2	A3
Days After First/Last Applic.	27 10	27 10	27 10
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			7
7 ANTHEM MAXX	4 fl oz/a B		100 a
CALLISTO	3 fl oz/a B		0 a
AATREX	2 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		
8 DEGREE XTRA	3 qt/a B		100 a
CALLISTO	3 fl oz/a B		1 a
AATREX	1 qt/a B		13 a
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed	W Weed	W Weed
Pest Type	ECHSS	AMBTR	AMBTR
Pest Code	ECHSS	AMBTR	AMBTR
Pest Scientific Name	Echinochloa sp.	Ambrosia trifida	Ambrosia trifida
Pest Name	Barnyardgrass	Giant ragweed	Giant ragweed
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-17-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	PHYGEN	COUNT
Rating Unit	%	%	m2
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	D. JOHNSON
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A2	A2	A3
Days After First/Last Applic.	27 10	27 10	27 10
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment			
No. Name	7	8	9
9 ANTHEM MAXX	100 a	1 a	34 a
CALLISTO			
AATREX			
AATREX			
STATUS			
ROUNDUP POWERMAX			
N-PAK AMS			
LSD P=.05	.	1.2	349.3
Standard Deviation	0.0	0.8	33.7
CV	0.0	297.04	97.04
Grand Mean	100.0	0.3	34.7
Levene's F	0.00	0.64	1.461
Levene's Prob(F)	0.00*	0.719	0.313
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness	.	2.8871*	-0.0529

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

Demonstrate Anthem Maxx Herbicide Performance			
Trial ID: 19S-TPAC-CORN-01	Location: TPAC		Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson		
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer		
Sponsor Contact: N. Hustedde - FMC			
Pest Type	W Weed		W Weed
Pest Code	ECHSS		AMBTR
Pest Scientific Name	Echinochloa sp.		Ambrosia trifida
Pest Name	Barnyardgrass		Giant ragweed
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-17-2019	Jun-17-2019	Jun-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	PHYGEN	COUNT
Rating Unit	%	%	m2
Number of Subsamples	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	D. JOHNSON
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A2	A2	A3
Days After First/Last Applic.	27 10	27 10	27 10
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
Kurtosis			
Replicate F	0.000	1.239	0.092
Replicate Prob(F)	1.0000	0.3207	0.9193
Treatment F	0.000	0.659	0.619
Treatment Prob(F)	1.0000	0.7036	0.7405

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed	W Weed	W Weed
Pest Type	SETFA	ECHSS	AMBTR
Pest Code	SETFA	ECHSS	AMBTR
Pest Scientific Name	Setaria faberi	Echinochloa sp.	Ambrosia trifida
Pest Name	Giant foxtail	Barnyardgrass	Giant ragweed
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-17-2019	Jun-17-2019	Jul-15-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	COUNT	COUNT	CONTRO
Rating Unit	m2	m2	%
Number of Subsamples	1	1	1
Assessed By	D. JOHNSON	D. JOHNSON	M. ZIMMER
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A3	A3	A4
Days After First/Last Applic.	27 10	27 10	55 28
Plant-Eval Interval	27 DP-1	27 DP-1	55 DP-1
Days After Emergence	19 DE-1	19 DE-1	47 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
1 UNTREATED CHECK			10 11 12
2 ANTHEM MAXX	4 fl oz/a A		10 13 0
BALANCE FLEXX	3 fl oz/a A		2 a 0 b 59 d
AATREX	2 qt/a A		
3 ANTHEM MAXX	4 fl oz/a A		0 a 0 b 72 cd
CALLISTO	6 fl oz/a A		
AATREX	2 qt/a A		
4 CORVUS	5.6 fl oz/a A		78 c
AATREX	2 qt/a A		
5 ACURON	3 qt/a A		0 a 0 b 84 abc
6 RESICORE	2.5 qt/a A		5 a 5 a 80 bc

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed SETFA	W Weed ECHSS	W Weed AMBTR
Pest Type	Setaria faberi	Echinochloa sp.	Ambrosia trifida
Pest Code	Giant foxtail	Barnyardgrass	Giant ragweed
Pest Scientific Name	C ZEAMX	C ZEAMX	C ZEAMX
Pest Name	BCOR	BCOR	BCOR
Crop Type, Code	Zea mays	Zea mays	Zea mays
BBCH Scale	Corn	Corn	Corn
Crop Scientific Name	Jun-17-2019	Jun-17-2019	Jul-15-2019
Crop Name	PLOT -	PLOT -	PLOT -
Rating Date	COUNT	COUNT	CONTRO
Part Rated	m2	m2	%
Rating Type	1	1	1
Rating Unit	D. JOHNSON	D. JOHNSON	M. ZIMMER
Number of Subsamples	Jun-20-2019	Jun-20-2019	Jun-20-2019
Assessed By	A3	A3	A4
Data Entry Date	27 10	27 10	55 28
Rating Timing	27 DP-1	27 DP-1	55 DP-1
Days After First/Last Applic.	19 DE-1	19 DE-1	47 DE-1
Plant-Eval Interval	P	P	P
Days After Emergence	0	0	0
ARM Action Codes			
Number of Decimals			
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
	10	11	12
7 ANTHEM MAXX	4 fl oz/a B		95 ab
CALLISTO	3 fl oz/a B		
AATREX	2 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		
8 DEGREE XTRA	3 qt/a B	0 a	99 a
CALLISTO	3 fl oz/a B	0 b	
AATREX	1 qt/a B		
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed	W Weed	W Weed
Pest Type	SETFA	ECHSS	AMBTR
Pest Code	SETFA	ECHSS	AMBTR
Pest Scientific Name	Setaria faberi	Echinochloa sp.	Ambrosia trifida
Pest Name	Giant foxtail	Barnyardgrass	Giant ragweed
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jun-17-2019	Jun-17-2019	Jul-15-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	COUNT	COUNT	CONTRO
Rating Unit	m2	m2	%
Number of Subsamples	1	1	1
Assessed By	D. JOHNSON	D. JOHNSON	M. ZIMMER
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing	A3	A3	A4
Days After First/Last Applic.	27 10	27 10	55 28
Plant-Eval Interval	27 DP-1	27 DP-1	55 DP-1
Days After Emergence	19 DE-1	19 DE-1	47 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code	10	11
9 ANTHEM MAXX	4 fl oz/a A	0 a	99 a
CALLISTO	6 fl oz/a A		
AATREX	1.5 qt/a A		
AATREX	1 pt/a C		
STATUS	4 oz/a C		
ROUNDUP POWERMAX	32 fl oz/a C		
N-PAK AMS	2.5 % v/v C		
LSD P=.05	11.1	.	16.4
Standard Deviation	1.1	0.0	11.1
CV	93.7	0.0	13.4
Grand Mean	1.1	0.8	83.2
Levene's F	0.15	0.00	1.717
Levene's Prob(F)	0.724	0.00*	0.152
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness	2.1145*	3.0*	-0.9246*

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

Demonstrate Anthem Maxx Herbicide Performance				
Trial ID: 19S-TPAC-CORN-01		Location: TPAC		Trial Y
Protocol ID: 19S-TPAC-CORN-01		Investigator (Creator): Dr. Bill Johnson		
Project ID: USA-19-751		Study Director: Dustin Johnson & Marcelo Zimmer		
		Sponsor Contact: N. Hustedde - FMC		
Pest Type	W Weed	W Weed	W Weed	
Pest Code	SETFA	ECHSS	AMBTR	
Pest Scientific Name	Setaria faberi	Echinochloa sp.	Ambrosia trifida	
Pest Name	Giant foxtail	Barnyardgrass	Giant ragweed	
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX	
BBCH Scale	BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays	Zea mays	Zea mays	
Crop Name	Corn	Corn	Corn	
Rating Date	Jun-17-2019	Jun-17-2019	Jul-15-2019	
Part Rated	PLOT -	PLOT -	PLOT -	
Rating Type	COUNT	COUNT	CONTRO	
Rating Unit	m2	m2	%	
Number of Subsamples	1	1	1	
Assessed By	D. JOHNSON	D. JOHNSON	M. ZIMMER	
Data Entry Date	Jun-20-2019	Jun-20-2019	Jun-20-2019	
Rating Timing	A3	A3	A4	
Days After First/Last Applic.	27 10	27 10	55 28	
Plant-Eval Interval	27 DP-1	27 DP-1	55 DP-1	
Days After Emergence	19 DE-1	19 DE-1	47 DE-1	
ARM Action Codes	P	P	P	
Number of Decimals	0	0	0	
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code		
			10	11
				12
Kurtosis			4.7084*	9.0*
				0.0591
Replicate F			0.012	0.000
Replicate Prob(F)			0.9880	1.0000
Treatment F			10.315	0.000
Treatment Prob(F)			0.2319	1.0000
				0.0004

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed	W Weed	
Pest Type	SETFA	ECHSS	
Pest Code	SETFA	ECHSS	
Pest Scientific Name	Setaria faberi	Echinochloa sp.	
Pest Name	Giant foxtail	Barnyardgrass	
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jul-15-2019	Jul-15-2019	Oct-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	YIELD
Rating Unit	%	%	lb/plot
Number of Subsamples	1	1	1
Assessed By	M. ZIMMER	M. ZIMMER	J. HAARMANN
Data Entry Date	Jun-20-2019	Jun-20-2019	Oct-22-2019
Rating Timing	A4	A4	H1
Days After First/Last Applic.	55 28	55 28	149 122
Plant-Eval Interval	55 DP-1	55 DP-1	149 DP-1
Days After Emergence	47 DE-1	47 DE-1	141 DE-1
ARM Action Codes	P	P	
Number of Decimals	0	0	1
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			13
			14
			15
1 UNTREATED CHECK			0
			0
			4.8
2 ANTHEM MAXX	4 fl oz/a A		100 a
BALANCE FLEXX	3 fl oz/a A		100 a
AATREX	2 qt/a A		29.3 b
3 ANTHEM MAXX	4 fl oz/a A		100 a
CALLISTO	6 fl oz/a A		100 a
AATREX	2 qt/a A		36.4 ab
4 CORVUS	5.6 fl oz/a A		96 a
AATREX	2 qt/a A		98 a
5 ACURON	3 qt/a A		100 a
6 RESICORE	2.5 qt/a A		100 a
			100 a
			35.7 ab

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.



# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed	W Weed	
Pest Type	SETFA	ECHSS	
Pest Code	SETFA	ECHSS	
Pest Scientific Name	Setaria faberi	Echinochloa sp.	
Pest Name	Giant foxtail	Barnyardgrass	
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jul-15-2019	Jul-15-2019	Oct-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	YIELD
Rating Unit	%	%	lb/plot
Number of Subsamples	1	1	1
Assessed By	M. ZIMMER	M. ZIMMER	J. HAARMANN
Data Entry Date	Jun-20-2019	Jun-20-2019	Oct-22-2019
Rating Timing	A4	A4	H1
Days After First/Last Applic.	55 28	55 28	149 122
Plant-Eval Interval	55 DP-1	55 DP-1	149 DP-1
Days After Emergence	47 DE-1	47 DE-1	141 DE-1
ARM Action Codes	P	P	
Number of Decimals	0	0	1
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			13
			14
			15
7 ANTHEM MAXX	4 fl oz/a B		98 a
CALLISTO	3 fl oz/a B		99 a
AATREX	2 qt/a B		40.0 a
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		
8 DEGREE XTRA	3 qt/a B		96 a
CALLISTO	3 fl oz/a B		100 a
AATREX	1 qt/a B		42.3 a
ROUNDUP POWERMAX	32 fl oz/a B		
N-PAK AMS	2.5 % v/v B		

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

	W Weed	W Weed	
Pest Type	SETFA	ECHSS	
Pest Code	SETFA	ECHSS	
Pest Scientific Name	Setaria faberi	Echinochloa sp.	
Pest Name	Giant foxtail	Barnyardgrass	
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jul-15-2019	Jul-15-2019	Oct-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	YIELD
Rating Unit	%	%	lb/plot
Number of Subsamples	1	1	1
Assessed By	M. ZIMMER	M. ZIMMER	J. HAARMANN
Data Entry Date	Jun-20-2019	Jun-20-2019	Oct-22-2019
Rating Timing	A4	A4	H1
Days After First/Last Applic.	55 28	55 28	149 122
Plant-Eval Interval	55 DP-1	55 DP-1	149 DP-1
Days After Emergence	47 DE-1	47 DE-1	141 DE-1
ARM Action Codes	P	P	
Number of Decimals	0	0	1
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			13
			14
			15
9 ANTHEM MAXX	4 fl oz/a A		100 a
CALLISTO	6 fl oz/a A		100 a
AATREX	1.5 qt/a A		40.9 a
AATREX	1 pt/a C		
STATUS	4 oz/a C		
ROUNDUP POWERMAX	32 fl oz/a C		
N-PAK AMS	2.5 % v/v C		
LSD P=.05	5.0	2.7	7.14
Standard Deviation	3.4	1.8	4.84
CV	3.47	1.85	12.95
Grand Mean	98.8	99.6	37.37
Levene's F	1.447	1.046	1.211
Levene's Prob(F)	0.233	0.427	0.336
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness	-3.292*	-5.0804*	-0.4896

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type	W Weed	W Weed	
Pest Code	SETFA	ECHSS	
Pest Scientific Name	Setaria faberi	Echinochloa sp.	
Pest Name	Giant foxtail	Barnyardgrass	
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Rating Date	Jul-15-2019	Jul-15-2019	Oct-17-2019
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTRO	CONTRO	YIELD
Rating Unit	%	%	lb/plot
Number of Subsamples	1	1	1
Assessed By	M. ZIMMER	M. ZIMMER	J. HAARMANN
Data Entry Date	Jun-20-2019	Jun-20-2019	Oct-22-2019
Rating Timing	A4	A4	H1
Days After First/Last Applic.	55 28	55 28	149 122
Plant-Eval Interval	55 DP-1	55 DP-1	149 DP-1
Days After Emergence	47 DE-1	47 DE-1	141 DE-1
ARM Action Codes	P	P	
Number of Decimals	0	0	1
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
Kurtosis	13	14	15
	11.1097*	27.0482*	-0.7177
Replicate F	0.201	0.721	8.697
Replicate Prob(F)	0.8946	0.5508	0.0007
Treatment F	0.995	0.958	2.781
Treatment Prob(F)	0.4618	0.4855	0.0342

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type			
Pest Code			
Pest Scientific Name			
Pest Name			
Crop Type, Code	C ZEAMX	C ZEAMX	
BBCH Scale	BCOR	BCOR	
Crop Scientific Name	Zea mays	Zea mays	
Crop Name	Corn	Corn	
Rating Date	Oct-17-2019	Oct-17-2019	
Part Rated	PLOT -	PLOT -	
Rating Type	MOICON	YIELD	
Rating Unit	%	BU	
Number of Subsamples	1	1	
Assessed By	J. HAARMANN	J. HAARMANN	
Data Entry Date	Oct-22-2019	Oct-22-2019	
Rating Timing	H1	H1	
Days After First/Last Applic.	149 122	149 122	
Plant-Eval Interval	149 DP-1	149 DP-1	
Days After Emergence	141 DE-1	141 DE-1	
ARM Action Codes		TY1 EC	
Number of Decimals	1	1	
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
1 UNTREATED CHECK			16 17
2 ANTHEM MAXX	4 fl oz/a A		18.8 28.1
BALANCE FLEXX	3 fl oz/a A		20.0 a 172.6 b
AATREX	2 qt/a A		
3 ANTHEM MAXX	4 fl oz/a A		20.4 a 213.5 ab
CALLISTO	6 fl oz/a A		
AATREX	2 qt/a A		
4 CORVUS	5.6 fl oz/a A		20.7 a 211.8 ab
AATREX	2 qt/a A		
5 ACURON	3 qt/a A		20.3 a 223.5 a
6 RESICORE	2.5 qt/a A		20.5 a 209.1 ab

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type		
Pest Code		
Pest Scientific Name		
Pest Name		
Crop Type, Code	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays
Crop Name	Corn	Corn
Rating Date	Oct-17-2019	Oct-17-2019
Part Rated	PLOT -	PLOT -
Rating Type	MOICON	YIELD
Rating Unit	%	BU
Number of Subsamples	1	1
Assessed By	J. HAARMANN	J. HAARMANN
Data Entry Date	Oct-22-2019	Oct-22-2019
Rating Timing	H1	H1
Days After First/Last Applic.	149 122	149 122
Plant-Eval Interval	149 DP-1	149 DP-1
Days After Emergence	141 DE-1	141 DE-1
ARM Action Codes		TY1 EC
Number of Decimals	1	1
Trt Treatment		
No. Name	Rate Unit Appl Code	
		16
		17
7 ANTHEM MAXX	4 fl oz/a B	20.5 a
CALLISTO	3 fl oz/a B	234.3 a
AATREX	2 qt/a B	
ROUNDUP POWERMAX	32 fl oz/a B	
N-PAK AMS	2.5 % v/v B	
8 DEGREE XTRA	3 qt/a B	20.6 a
CALLISTO	3 fl oz/a B	247.5 a
AATREX	1 qt/a B	
ROUNDUP POWERMAX	32 fl oz/a B	
N-PAK AMS	2.5 % v/v B	

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type			
Pest Code			
Pest Scientific Name			
Pest Name			
Crop Type, Code	C ZEAMX	C ZEAMX	
BBCH Scale	BCOR	BCOR	
Crop Scientific Name	Zea mays	Zea mays	
Crop Name	Corn	Corn	
Rating Date	Oct-17-2019	Oct-17-2019	
Part Rated	PLOT -	PLOT -	
Rating Type	MOICON	YIELD	
Rating Unit	%	BU	
Number of Subsamples	1	1	
Assessed By	J. HAARMANN	J. HAARMANN	
Data Entry Date	Oct-22-2019	Oct-22-2019	
Rating Timing	H1	H1	
Days After First/Last Applic.	149 122	149 122	
Plant-Eval Interval	149 DP-1	149 DP-1	
Days After Emergence	141 DE-1	141 DE-1	
ARM Action Codes		TY1 EC	
Number of Decimals	1	1	
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			16
			17
9 ANTHEM MAXX	4 fl oz/a	A	20.5 a
CALLISTO	6 fl oz/a	A	239.3 a
AATREX	1.5 qt/a	A	
AATREX	1 pt/a	C	
STATUS	4 oz/a	C	
ROUNDUP POWERMAX	32 fl oz/a	C	
N-PAK AMS	2.5 % v/v	C	
LSD P=.05			1.06
Standard Deviation			0.72
CV			3.53
Grand Mean			20.43
Levene's F			0.655
Levene's Prob(F)			0.707
Rank X2			.
P(Rank X2)			.
Skewness			0.0291
			-0.4459

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=15, 16, 17; Average=9, 10, 11

Could not calculate LSD (% mean diff) for columns 2, 3, 6, 7, 11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

Pest Type		
Pest Code		
Pest Scientific Name		
Pest Name		
Crop Type, Code	C ZEAMX	C ZEAMX
BBCH Scale	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays
Crop Name	Corn	Corn
Rating Date	Oct-17-2019	Oct-17-2019
Part Rated	PLOT -	PLOT -
Rating Type	MOICON	YIELD
Rating Unit	%	BU
Number of Subsamples	1	1
Assessed By	J. HAARMANN	J. HAARMANN
Data Entry Date	Oct-22-2019	Oct-22-2019
Rating Timing	H1	H1
Days After First/Last Applic.	149 122	149 122
Plant-Eval Interval	149 DP-1	149 DP-1
Days After Emergence	141 DE-1	141 DE-1
ARM Action Codes		TY1 EC
Number of Decimals	1	1
Trt Treatment		
No. Name	Rate Appl Rate Unit Code	
	16	17
Kurtosis	-0.7949	-0.7266
Replicate F	6.670	8.099
Replicate Prob(F)	0.0027	0.0010
Treatment F	0.352	2.562
Treatment Prob(F)	0.9193	0.0467

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=15,16,17; Average=9,10,11

Could not calculate LSD (% mean diff) for columns 2,3,6,7,11 because error mean square = 0.

# Purdue Weed Science

## Demonstrate Anthem Maxx Herbicide Performance

Trial ID: 19S-TPAC-CORN-01	Location: TPAC	Trial Y
Protocol ID: 19S-TPAC-CORN-01	Investigator (Creator): Dr. Bill Johnson	
Project ID: USA-19-751	Study Director: Dustin Johnson & Marcelo Zimmer	
	Sponsor Contact: N. Hustedde - FMC	

### Pest Type

W, Weed = Weed or volunteer crop

### Pest Code

AMBTR, Ambrosia trifida, Giant ragweed = US

SETFA, Setaria faberi, Giant foxtail = US

ECHSS, Echinochloa sp., Barnyardgrass = US

### Crop Type, Code

C = EPPO species (Bayer) codes

ZEAMX, BCOR, Zea mays, Corn = US

### Part Rated

PLOT = plot

### Rating Type

CONTRO = control / burndown or knockdown

PHYGEN = phytotoxicity - general / injury

COUNT = count

YIELD = yield

MOICON = moisture content

### Rating Unit

% = percent

m2 = square meter

lb/plot = pounds per plot

BU = bushel

### 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

H1 = 1st Harvest

### Plant-Eval Interval

14 DP-1 = 1 ZEAMX May-21-2019

27 DP-1 = 1 ZEAMX May-21-2019

55 DP-1 = 1 ZEAMX May-21-2019

149 DP-1 = 1 ZEAMX May-21-2019

### ARM Action Codes

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

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

TY1 =  $6.222857 * [15] * (100 - [16]) / 84.5$