

Purdue Weed Science

AMVAC - Evaluation of Impact CORE programs for performance and corn safety compared to competitive programs in academic trials
 Trial ID: 20S-TPAC-CORN-02 Location: Lafayette Trial Year: 2020
 Protocol ID: 20S-TPAC-CORN-02 Investigator (Creator): Dr. Bill Johnson
 Project ID: Study Director: Brent Mansfield
 Sponsor Contact: Richard M Porter

General Trial Information
Study Director: Brent Mansfield
Investigator: Dr. Bill Johnson
Trial Status: E established
ARM Trial Created On: 4/27/2020
Initiation Date: 5/7/2020
Trial Location
City: Lafayette **Country:** USA United States
State/Prov.: Indiana
Postal Code: 47909
Conducted Under GLP: No
Conducted Under GEP: No

Contacts
Role: STYDIR study director
Study Director: Brent Mansfield
Role: INVEST investigator
Investigator: Dr. Bill Johnson
Role: SPONSR sponsor
Sponsor: Richard M Porter

Crop Description
Crop 1: C ZEAMX Zea mays Corn **BBCH Scale:** BCOR
Entry Date: 9/29/2020 **Stage Scale:** BBCH
Variety: DKC 62-52 RIB
Planting Date: 5/7/2020 **Planting Rate:** 84565 S/ha
Depth: 4.5 cm
Row Spacing: 76 cm **Planting Method:** PLANTD planted
Planting Equipment: PP plot planter
Soil Moisture: DRY dry
Emergence Date: 5/18/2020

Pest Description
Pest 1 Type: W **Code:** AMBTR Ambrosia trifida **Entry Date:** 9/29/2020
Common Name: Giant ragweed **Stage Scale:** BBCH
Pest 2 Type: W **Code:** ECHCG Echinochloa crus-galli **Entry Date:** 9/29/2020
Common Name: Common barnyard grass **Stage Scale:** BBCH
Pest 3 Type: W **Code:** CHEAL Chenopodium album **Entry Date:** 9/29/2020
Common Name: common lambsquarters **Stage Scale:** BBCH

Site and Design
Treated Plot Width: 6.67 FT **Site Type:** FIELD field
Treated Plot Length: 30 FT **Experimental Unit:** 1 PLOT plot
Treated Plot Area: 200.1 FT2 **Treatments:** 10 **Tillage Type:** CONTIL conventional-till
Replications: 4 **Study Design:** RACOB� Randomized Complete Block (RCB)

Maintenance

No.	Date	Type	Maintenance Product Name	Description	Cost	Cost Unit
1.	4/7/2020	A2	BCOR	202	KG N/HA	UAN

Soil Description
Description Name: Toronto-Millbrook complex
% Sand: 17 **% OM:** 3.1 **Texture:** SIL silt loam
% Silt: 56 **pH:** 6.2
% Clay: 27 **CEC:** 11.5

No.	Date	Moisture Total	Unit
1.	5/2/2020	0.025	CM
2.	5/3/2020	0.585	CM
3.	5/5/2020	0.481	CM
4.	5/6/2020	0.025	CM
5.	5/10/2020	0.101	CM
6.	5/14/2020	0.405	CM
7.	5/15/2020	0.279	CM
8.	5/17/2020	1.497	CM
9.	5/18/2020	0.914	CM
10.	5/19/2020	0.684	CM
11.	5/23/2020	0.178	CM
12.	5/27/2020	0.025	CM
13.	5/28/2020	0.331	CM
14.	6/4/2020	0.33	CM
15.	6/9/2020	0.787	CM
16.	6/20/2020	0.025	CM
17.	6/21/2020	0.075	CM
18.	6/22/2020	0.711	CM
19.	6/23/2020	0.203	CM
20.	6/27/2020	2.769	CM
21.	6/28/2020	0.229	CM
22.	6/29/2020	0.076	CM
23.	6/30/2020	1.829	CM
24.	7/10/2020	0.05	CM
25.	7/11/2020	0.914	CM
26.	7/12/2020	0.66	CM
27.	7/15/2020	0.127	CM
28.	7/16/2020	0.456	CM
29.	7/19/2020	0.051	CM
30.	7/21/2020	1.423	CM
31.	7/22/2020	0.329	CM
32.	7/23/2020	0.178	CM
33.	7/27/2020	1.295	CM
34.	7/30/2020	1.599	CM

Application Description	
	A
Application Date	5/27/2020
Appl. Start Time	4:00 PM
Appl. Stop Time	4:30 PM
Application Method	SPRAY
Application Timing	1-3" WEEDS
Application Placement	BROADC
Applied By	B. MANSFIELD
Appl. Entry Date	9/29/2020
Air Temperature Start, Stop	85, 85 F
% Relative Humidity Start, Stop	62, 62
Wind Velocity+Dir. Start	5.1 MPH, SSE
Wind Velocity+Dir. Stop	5.8 MPH, SSE
Wind Velocity+Dir. Max	9.2 MPH, SSE
Wet Leaves (Y/N)	N, no
Soil Temperature	81 F
Soil Moisture	NORMAL
% Cloud Cover	50

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale	ZEAMX, BCOR
Days after Emergence	9
Stage Majority, Percent	V2, 100
Stage Minimum, Percent	V2, -
Stage Maximum, Percent	V2, -
Height Average	4 IN
Height Minimum, Maximum	4, 5

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale	AMBTR, W, BBCH
Stage Majority, Percent	16, -
Stage Minimum, Percent	12, -
Stage Maximum, Percent	18, -
Height Average	2.5 IN
Height Minimum, Maximum	0.5, 5
Density Average	8 FT2
Pest 2 Code, Type, Scale	ECHCG, W, BBCH
Stage Majority, Percent	12, -
Stage Minimum, Percent	11, -
Stage Maximum, Percent	13, -
Height Average	1.75 IN
Height Minimum, Maximum	0.5, 2
Density Average	10 FT2
Pest 3 Code, Type, Scale	CHEAL, W, BBCH
Stage Majority, Percent	12, -
Stage Minimum, Percent	12, -
Stage Maximum, Percent	16, -
Height Average	0.5 IN
Height Minimum, Maximum	0.25, 2
Density Average	0.5 FT2

Application Equipment

	A
Appl. Equipment	CO2 BACKPACK
Equipment Type	BACSPR
Nozzle Model	XR8002
Nozzle Type	FLAFXR
Nozzle Spacing	20 IN
Nozzles/Row	4
Boom Length	6.67 FT
Ground Speed	3 MPH
Carrier	WATER
Water Hardness (ppm CaCO3)	342
Application Amount	15 GAL/AC
Mix Size	1119 mL
Spray pH	7.35
Propellant	COMCO2

Notes

Context	Date	By	Notes
STATUS	4/27/2020	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	9/29/2020	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'E' when Initiation Date entered.

Purdue Weed Science

AMVAC - Evaluation of Impact CORE programs for performance and corn safety compared to competitive programs in academic trials					
Trial ID: 20S-TPAC-CORN-02		Location: Lafayette		Trial Year: 2020	
Protocol ID: 20S-TPAC-CORN-02		Investigator (Creator): Dr. Bill Johnson			
Project ID:		Study Director: Brent Mansfield			
Sponsor Contact: Richard M Porter					

Pest Type Pest Code Pest Scientific Name Pest Name			W, Weed AMBTR Ambrosia trifida Giant ragweed	W, Weed CHEAL Chenopodium alb> common lambsqua>	W, Weed ECHCG Echinochloa cru> Common barnyard>				
Crop Type, Code	C, ZEAMX	C, ZEAMX							
BBCH Scale	BCOR	BCOR							
Crop Scientific Name	Zea mays	Zea mays							
Crop Name	Corn	Corn							
Rating Date	6/3/2020	6/11/2020	6/11/2020	6/11/2020	6/11/2020				
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO				
Number of Subsamples	1	1	1	1	1				
Assessed By	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD				
Data Entry Date	9/29/2020	9/29/2020	9/29/2020	9/29/2020	9/29/2020				
Rating Timing	7 DAT	15 DAT	15 DAT	15 DAT	15 DAT				
Days After First/Last Applic.	7, 7	15, 15	15, 15	15, 15	15, 15				
Trt-Eval Interval	7 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A				
Plant-Eval Interval	27 DP-1	35 DP-1	35 DP-1	35 DP-1	35 DP-1				
Days After Emergence	16 DE-1	24 DE-1	24 DE-1	24 DE-1	24 DE-1				
Trt No.	Treatment Name	Rate	Unit	Appl Code	1	2	3	4	5
1	UNTREATED CHECK	0.0							
2	IMPACT CORE	1.12 LB AI/A	A		0.5 de	0.0 -	89.3 -	100.0 -	93.0 -
	ROUNDUP POWERMAX	1.13 LB AE/A	A						
	ACTIVATOR 90 NIS	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
3	IMPACT CORE	1.68 LB AI/A	A		2.8 cd	0.0 -	89.5 -	100.0 -	94.5 -
	ROUNDUP POWERMAX	1.13 LB AE/A	A						
	ACTIVATOR 90 NIS	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
4	IMPACT CORE	1.12 LB AI/A	A		4.0 bc	0.0 -	91.5 -	100.0 -	95.3 -
	ROUNDUP POWERMAX	1.13 LB AE/A	A						
	AATREX	0.5 LB AI/A	A						
	ACTIVATOR 90 NIS	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
5	IMPACT CORE	1.68 LB AI/A	A		5.5 ab	0.0 -	90.8 -	100.0 -	94.5 -
	ROUNDUP POWERMAX	1.13 LB AE/A	A						
	AATREX	0.5 LB AI/A	A						
	ACTIVATOR 90 NIS	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
6	IMPACT CORE	1.68 LB AI/A	A		5.3 ab	0.0 -	91.3 -	100.0 -	93.8 -
	MSO ULTRA	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
7	IMPACT CORE	1.68 LB AI/A	A		6.5 a	0.0 -	92.0 -	100.0 -	94.5 -
	AATREX	0.5 LB AI/A	A						
	MSO ULTRA	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
8	ARMEZON PRO	0.585 LB AI/A	A		0.0 e	0.0 -	87.3 -	100.0 -	91.0 -
	ROUNDUP POWERMAX	1.13 LB AE/A	A						
	ACTIVATOR 90 NIS	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	A						
9	RESICORE	1.03 LB AI/A	A		2.3 cde	0.0 -	91.5 -	100.0 -	94.0 -
	ROUNDUP POWERMAX	1.13 LB AE/A	A						
	ACTIVATOR 90 NIS	0.25 % V/V	A						
	AMSOL	13.33 LB AI/100 GAL	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.
 Could not calculate LSD (% mean diff) for columns 2,4,7,10 because error mean square = 0.
 ^Calculated from residual.

Pest Type			W, Weed	W, Weed	W, Weed
Pest Code			AMBTR	CHEAL	ECHCG
Pest Scientific Name			Ambrosia trifida	Chenopodium alb>	Echinochloa cru>
Pest Name			Giant ragweed	common lambsqua>	Common barnyard>
Crop Type, Code	C, ZEAMX	C, ZEAMX			
BBCH Scale	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays			
Crop Name	Corn	Corn			
Rating Date	6/3/2020	6/11/2020	6/11/2020	6/11/2020	6/11/2020
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
Number of Subsamples	1	1	1	1	1
Assessed By	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD
Data Entry Date	9/29/2020	9/29/2020	9/29/2020	9/29/2020	9/29/2020
Rating Timing	7 DAT	15 DAT	15 DAT	15 DAT	15 DAT
Days After First/Last Applic.	7, 7	15, 15	15, 15	15, 15	15, 15
Trt-Eval Interval	7 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A
Plant-Eval Interval	27 DP-1	35 DP-1	35 DP-1	35 DP-1	35 DP-1
Days After Emergence	16 DE-1	24 DE-1	24 DE-1	24 DE-1	24 DE-1
Trt Treatment					
No. Name	Rate	Appl	1	2	3
	Rate Unit	Code	4	5	
10 HALEX GT	1.98 LB AI/A	A	6.5 a	0.0 -	90.0 -
AATREX	0.5 LB AI/A	A			100.0 -
ACTIVATOR 90 NIS	0.25 % V/V	A			93.0 -
AMSOL	13.33 LB AI/100 GAL	A			
LSD P=.05	2.25	.	3.35	.	2.44
Standard Deviation	1.54	0.00	2.30	0.00	1.67
CV	41.73	0.0	2.54	0.0	1.78
Grand Mean	3.69	0.00	90.33	100.00	93.72
Levene's F^	1.904	.	0.572	.	1.433
Levene's Prob(F)	0.101	.	0.791	.	0.228
Rank X2	.	.	.	.	.
P(Rank X2)	.	.	.	.	.
Skewness^	-0.1151	.	-0.2088	.	0.4753
Kurtosis^	0.1779	.	0.4033	.	0.235
Replicate F	3.252	0.000	20.421	0.000	63.642
Replicate Prob(F)	0.0393	1.0000	0.0001	1.0000	0.0001
Treatment F	10.168	0.000	1.705	0.000	2.269
Treatment Prob(F)	0.0001	1.0000	0.1486	1.0000	0.0577

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Pest Type	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code	AMBTR	CHEAL	ECHCG	AMBTR
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Echinochloa cru>	Ambrosia trifida
Pest Name	Giant ragweed	common lambsqua>	Common barnyard>	Giant ragweed
Crop Type, Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6/24/2020	6/24/2020	6/24/2020	7/8/2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Number of Subsamples	1	1	1	1
Assessed By	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD
Data Entry Date	9/29/2020	9/29/2020	9/29/2020	9/29/2020
Rating Timing				
Days After First/Last Applic.	28, 28	28, 28	28, 28	42, 42
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	42 DA-A
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	62 DP-1
Days After Emergence	37 DE-1	37 DE-1	37 DE-1	51 DE-1
Trt Treatment				
No. Name				
Rate				
Rate Unit				
Appl Code				
	6	7	8	9
1 UNTREATED CHECK	0.0	0.0	0.0	0.0
2 IMPACT CORE	1.12 LB AI/A	A	80.0 ab	100.0 -
ROUNDUP POWERMAX	1.13 LB AE/A	A		90.0 a
ACTIVATOR 90 NIS	0.25 % V/V	A		57.5 abc
AMSOL	13.33 LB AI/100 GAL	A		
3 IMPACT CORE	1.68 LB AI/A	A	82.0 a	100.0 -
ROUNDUP POWERMAX	1.13 LB AE/A	A		91.3 a
ACTIVATOR 90 NIS	0.25 % V/V	A		58.8 abc
AMSOL	13.33 LB AI/100 GAL	A		
4 IMPACT CORE	1.12 LB AI/A	A	85.0 a	100.0 -
ROUNDUP POWERMAX	1.13 LB AE/A	A		90.0 a
AATREX	0.5 LB AI/A	A		55.0 bcd
ACTIVATOR 90 NIS	0.25 % V/V	A		
AMSOL	13.33 LB AI/100 GAL	A		
5 IMPACT CORE	1.68 LB AI/A	A	84.3 a	100.0 -
ROUNDUP POWERMAX	1.13 LB AE/A	A		92.5 a
AATREX	0.5 LB AI/A	A		51.3 cd
ACTIVATOR 90 NIS	0.25 % V/V	A		
AMSOL	13.33 LB AI/100 GAL	A		
6 IMPACT CORE	1.68 LB AI/A	A	86.3 a	100.0 -
MSO ULTRA	0.25 % V/V	A		90.0 a
AMSOL	13.33 LB AI/100 GAL	A		55.0 bcd
7 IMPACT CORE	1.68 LB AI/A	A	86.8 a	100.0 -
AATREX	0.5 LB AI/A	A		91.3 a
MSO ULTRA	0.25 % V/V	A		62.5 ab
AMSOL	13.33 LB AI/100 GAL	A		
8 ARMEZON PRO	0.585 LB AI/A	A	72.5 c	100.0 -
ROUNDUP POWERMAX	1.13 LB AE/A	A		86.3 b
ACTIVATOR 90 NIS	0.25 % V/V	A		47.5 d
AMSOL	13.33 LB AI/100 GAL	A		
9 RESICORE	1.03 LB AI/A	A	85.0 a	100.0 -
ROUNDUP POWERMAX	1.13 LB AE/A	A		90.0 a
ACTIVATOR 90 NIS	0.25 % V/V	A		65.0 a
AMSOL	13.33 LB AI/100 GAL	A		

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Untreated treatment(s) 1 excluded from analysis.
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^Calculated from residual.

Pest Type	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code	AMBTR	CHEAL	ECHCG	AMBTR
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Echinochloa cru>	Ambrosia trifida
Pest Name	Giant ragweed	common lambsqua>	Common barnyard>	Giant ragweed
Crop Type, Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6/24/2020	6/24/2020	6/24/2020	7/8/2020
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Number of Subsamples	1	1	1	1
Assessed By	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD	B. MANSFIELD
Data Entry Date	9/29/2020	9/29/2020	9/29/2020	9/29/2020
Rating Timing				
Days After First/Last Applic.	28, 28	28, 28	28, 28	42, 42
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	42 DA-A
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	62 DP-1
Days After Emergence	37 DE-1	37 DE-1	37 DE-1	51 DE-1
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	6	7
10 HALEX GT	1.98 LB AI/A	A	73.8 bc	100.0 -
AATREX	0.5 LB AI/A	A		85.0 b
ACTIVATOR 90 NIS	0.25 % V/V	A		65.0 a
AMSOL	13.33 LB AI/100 GAL	A		
LSD P=.05	7.36	.		3.73
Standard Deviation	5.04	0.00		2.56
CV	6.17	0.0		2.85
Grand Mean	81.72	100.00		89.58
Levene's F^	0.546	.		0.442
Levene's Prob(F)	0.812	.		0.885
Rank X2	.	.		.
P(Rank X2)	.	.		.
Skewness^	0.757	.		-0.531
Kurtosis^	0.4403	.		0.5585
Replicate F	9.473	0.000		11.434
Replicate Prob(F)	0.0003	1.0000		0.0001
Treatment F	4.427	0.000		3.584
Treatment Prob(F)	0.0021	1.0000		0.0072
				0.0080

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^Calculated from residual.

Pest Type			W, Weed	W, Weed
Pest Code			CHEAL	ECHCG
Pest Scientific Name			Chenopodium alb>	Echinochloa cru>
Pest Name			common lambsqua>	Common barnyard>
Crop Type, Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date			7/8/2020	7/8/2020
Rating Type			CONTRO	CONTRO
Number of Subsamples			1	1
Assessed By			B. MANSFIELD	B. MANSFIELD
Data Entry Date			9/29/2020	9/29/2020
Rating Timing				
Days After First/Last Applic.			42, 42	42, 42
Trt-Eval Interval			42 DA-A	42 DA-A
Plant-Eval Interval			62 DP-1	62 DP-1
Days After Emergence			51 DE-1	51 DE-1
Trt Treatment		Rate	10	11
No. Name		Rate Unit		
1 UNTREATED CHECK			0.0	0.0
2 IMPACT CORE		1.12 LB AI/A		
ROUNDUP POWERMAX		1.13 LB AE/A	100.0 -	67.5 -
ACTIVATOR 90 NIS		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
3 IMPACT CORE		1.68 LB AI/A	100.0 -	77.5 -
ROUNDUP POWERMAX		1.13 LB AE/A		
ACTIVATOR 90 NIS		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
4 IMPACT CORE		1.12 LB AI/A	100.0 -	67.5 -
ROUNDUP POWERMAX		1.13 LB AE/A		
AATREX		0.5 LB AI/A		
ACTIVATOR 90 NIS		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
5 IMPACT CORE		1.68 LB AI/A	100.0 -	85.0 -
ROUNDUP POWERMAX		1.13 LB AE/A		
AATREX		0.5 LB AI/A		
ACTIVATOR 90 NIS		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
6 IMPACT CORE		1.68 LB AI/A	100.0 -	66.3 -
MSO ULTRA		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
7 IMPACT CORE		1.68 LB AI/A	100.0 -	75.0 -
AATREX		0.5 LB AI/A		
MSO ULTRA		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
8 ARMEZON PRO		0.585 LB AI/A	100.0 -	63.8 -
ROUNDUP POWERMAX		1.13 LB AE/A		
ACTIVATOR 90 NIS		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		
9 RESICORE		1.03 LB AI/A	100.0 -	77.5 -
ROUNDUP POWERMAX		1.13 LB AE/A		
ACTIVATOR 90 NIS		0.25 % V/V		
AMSOL		13.33 LB AI/100 GAL		

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^Calculated from residual.

Pest Type			W, Weed	W, Weed
Pest Code			CHEAL	ECHCG
Pest Scientific Name			Chenopodium alb>	Echinochloa cru>
Pest Name			common lambsqua>	Common barnyard>
Crop Type, Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date			7/8/2020	7/8/2020
Rating Type			CONTRO	CONTRO
Number of Subsamples			1	1
Assessed By			B. MANSFIELD	B. MANSFIELD
Data Entry Date			9/29/2020	9/29/2020
Rating Timing				
Days After First/Last Applic.			42, 42	42, 42
Trt-Eval Interval			42 DA-A	42 DA-A
Plant-Eval Interval			62 DP-1	62 DP-1
Days After Emergence			51 DE-1	51 DE-1
Trt Treatment		Rate	10	11
No. Name		Unit		
10 HALEX GT		1.98 LB AI/A	A	65.0 -
AATREX		0.5 LB AI/A	A	
ACTIVATOR 90 NIS		0.25 % V/V	A	
AMSOL		13.33 LB AI/100 GAL	A	
LSD P=.05			.	15.43
Standard Deviation			0.00	10.57
CV			0.0	14.75
Grand Mean			100.00	71.67
Levene's F^			.	0.454
Levene's Prob(F)			.	0.877
Rank X2			.	.
P(Rank X2)			.	.
Skewness^			.	0.4654
Kurtosis^			.	0.6931
Replicate F			0.000	31.337
Replicate Prob(F)			1.0000	0.0001
Treatment F			0.000	1.916
Treatment Prob(F)			1.0000	0.1043

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.
Could not calculate LSD (% mean diff) for columns 2,4,7,10 because error mean square = 0.
^Calculated from residual.

Purdue Weed Science

AMVAC - Evaluation of Impact CORE programs for performance and corn safety compared to competitive programs in academic trials

Trial ID: 20S-TPAC-CORN-02 Location: Lafayette Trial Year: 2020
Protocol ID: 20S-TPAC-CORN-02 Investigator (Creator): Dr. Bill Johnson
Project ID: Study Director: Brent Mansfield
Sponsor Contact: Richard M Porter

Pest Type

W, Weed = Weed or volunteer crop

Pest Code

AMBTR, Ambrosia trifida, Giant ragweed = US

CHEAL, Chenopodium album, common lambsquarters = US

ECHCG, Echinochloa crus-galli, Common barnyard grass = US

Crop Type, Code

C = EPP0 species (Bayer) codes

ZEAMX, BCOR, Zea mays, Corn = US

Rating Type

PHYGEN = phytotoxicity - general / injury

CONTRO = control / burndown or knockdown

Plant-Eval Interval

27 DP-1 = 1 ZEAMX 5/7/2020

35 DP-1 = 1 ZEAMX 5/7/2020

48 DP-1 = 1 ZEAMX 5/7/2020

62 DP-1 = 1 ZEAMX 5/7/2020