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IMPACT-Z FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-17 Location: UGA PONDER FARM Trial Year: 2017
 Protocol ID: 17C04H060 Investigator: Ned French, Ph.D.
 Project ID: 17C04H060-SOUTH Study Director: Richard Porter
 Sponsor Contact:

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.93853 liters calculated mix size)

Trt No.	Treatment Name	Form Form		Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Amt Product to Measure	Rep			
		Conc	Type							Rate	Rate	1	2
1	Untreated Check									101	206	312	407
2	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a		3.6 pt/a	PREMCR A		45.0 ml/mx	102	209	307	404
	ImpactZ	4.26	SC	0.266 lb ai/a		8.0 fl oz/a	POSPOS C		6.243 ml/mx				
	MSO	100	SL	1.0 % v/v			POSPOS C		15.0 ml/mx				
	N-Pak AMS Liquid	100	L	2.5 % v/v			POSPOS C		37.5 ml/mx				
3	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a		3.6 pt/a	PREMCR A		45.0 ml/mx	103	210	303	402
	ImpactZ	4.26	SC	0.266 lb ai/a		8.0 fl oz/a	POSPOS C		6.243 ml/mx				
	Roundup PowerMax	4.5	SL	1.13 lb ai/a		32.0 fl oz/a	POSPOS C		25.11 ml/mx				
	MSO	100	SL	0.5 % v/v			POSPOS C		7.499 ml/mx				
4	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a		3.6 pt/a	PREMCR A		45.0 ml/mx	104	211	308	406
	ImpactZ	4.26	SC	0.266 lb ai/a		8.0 fl oz/a	POSPOS C		6.243 ml/mx				
	Liberty 280 SL	2.34	SL	0.402 lb ai/a		22.0 fl oz/a	POSPOS C		17.18 ml/mx				
	N-Pak AMS Liquid	100	L	2.5 % v/v			POSPOS C		37.5 ml/mx				
5	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a		3.6 pt/a	PREMCR A		45.0 ml/mx	105	201	310	409
	ImpactZ	4.26	SC	0.266 lb ai/a		8.0 fl oz/a	POSPOS C		6.243 ml/mx				
	Status	56	WG	0.175 lb ai/a		5.0 oz/a	POSPOS C		3.745 g/mx				
	MSO	100	SL	1.0 % v/v			POSPOS C		15.0 ml/mx				
6	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a		3.6 pt/a	PREMCR A		45.0 ml/mx	106	202	311	412
	ImpactZ	4.26	SC	0.266 lb ai/a		8.0 fl oz/a	POSPOS C		6.243 ml/mx				
	Roundup PowerMax	4.5	SL	1.13 lb ai/a		32.0 fl oz/a	POSPOS C		25.11 ml/mx				
	NIS	100	SL	0.25 % v/v			POSPOS C		3.75 ml/mx				
7	Armezon PRO	5.35	EC	0.84 lb ai/a		20.0 fl oz/a	EAPOWE B		15.7 ml/mx	107	212	302	410
	Roundup PowerMax	4.5	SL	1.13 lb ai/a		32.0 fl oz/a	EAPOWE B		25.11 ml/mx				
	Atrazine	4	F	0.25 lb ai/a		0.5 pt/a	EAPOWE B		6.249 ml/mx				
	NIS	100	SL	0.25 % v/v			EAPOWE B		3.75 ml/mx				
8	Halex GT	4.39	CS	1.98 lb ai/a		3.6 pt/a	EAPOWE B		45.1 ml/mx	108	207	304	405
	Atrazine	4	F	0.25 lb ai/a		0.5 pt/a	EAPOWE B		6.249 ml/mx				
	NIS	100	SL	0.25 % v/v			EAPOWE B		3.75 ml/mx				
	N-Pak AMS Liquid	100	L	2.5 % v/v			EAPOWE B		37.5 ml/mx				
9	ROUNDUP P-MAX	5.5	SL	32.0 oz/a		32.0 oz/a	EAPOWE B		25.0 ml/mx	109	205	306	401
	ATRAZINE	4	L	64.0 oz/a		64.0 oz/a	EAPOWE B		50.0 ml/mx				
	PROWL H20	3.8	SC	32.0 oz/a		32.0 oz/a	EAPOWE B		25.0 ml/mx				
10	LIBERTY 280	2.34	SL	29 oz/a		29.0 oz/a	EAPOWE B		22.66 ml/mx	110	204	305	403
	ATRAZINE	4	L	64.0 oz/a		64.0 oz/a	EAPOWE B		50.0 ml/mx				
	PROWL H20	3.8	SC	32 oz/a		32.0 oz/a	EAPOWE B		25.0 ml/mx				
11	ACURON	3.44	EC	80.0 oz/a		80.0 oz/a	PREMCR A		62.5 ml/mx	111	208	309	411
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a		32.0 oz/a	POSPOS C		25.0 ml/mx				
12	NTC									112	203	301	408

Sort Order: Treatment

Trial Comments

MSO = MES 100
 NIS = ADEPT

ACURON = S-MOC (2.14 LBS) + ATRAZINE (1.0 LBS) + BYCYCLOPYRONE (0.06 LBS) + MESOTRIONE (0.24 LBS)
 HARNES XTRA = ACETOACHLOR (3.1 LB/GAL) + ATRAZINE (2.5 LB/GAL) + FURILAZOLE (SAFENER)
 ARMEZON PRO = TOPRAMEZONE (1.0 LB/GAL) + DIMETHENAMID-P (5.25 LB/GAL)
 IMPACT-Z = TOPRAMEZONE (X LBS/GAL)+ ATRAZINE (X LBS/GAL)
 STATUS = DICAMBA (40%) + DIFLUFENZOPYR (16%) + ISOXADIFEN (SAFENER)
 HARNES = ACETOACHLOR + FURILAZOLE (SAFENER)

ANNUAL GRASS = A NON-UNIFORM MIXTURE OF TEXAS MILLET, CRABGRASS, GOOSEGRASS, AND CROWFOOTGRASS

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FINAL CORN POPULATION: 27,878

HARVEST DATE: AUGUST 22

HARVEST MOISTURE: 17.8%

YIELD ADJUSTED TO 15.5%

SUMMARY:

- 1) PRE APPLICATIONS OF HARNESS EXTRA AND ACURON CAUSED SLIGHT CORN STUNTING EARLY IN THE SEASON.
- 2) EPOST HERBICIDE APPLICATIONS CAUSED MINIMAL CROP INJURY (<8%).
- 3) ALL HERBICIDE PROGRAMS PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH, ANNUAL GRASSES, AND WILD RADISH.
- 4) NO OTHER HERBICIDE PROGRAM WAS MORE EFFECTIVE THAN ROUNDUP OR LIBERTY + ATRAZINE + PROWL H2O APPLIED EPOST.
- 5) ALL HERBICIDE TREATED PLOTS HAD SIGNIFICANTLY HIGHER YIELDS THAN THE NTC. HOWEVER, THERE WERE A FEW DIFFERENCES IN YIELD BETWEEN SOME TREATMENTS. FOR EXAMPLE, HARNESS (PRE) FB IMPACT + STATUS + MSO + AMS (POST-C) HAD LOWER YIELDS THAN 6 OTHER TREATMENTS.

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Trial ID: CN-04-17 Location: UGA PONDER FARM Trial Year: 2017
 Protocol ID: 17C04H060 Investigator: Ned French, Ph.D.
 Project ID: 17C04H060-SOUTH Study Director: Richard Porter
 Sponsor Contact:

General Trial Information

Study Director: Richard Porter **Title:** _____
Investigator: Ned French, Ph.D. **Title:** _____

Discipline: _____
Trial Status: _____ **Trial Reliability:** _____

Initiation Date: _____ **Planned Completion Date:** Nov-1-17
Completion Date: _____

Trial Location

City: _____ **Country:** USA United States
State/Prov.: _____
Postal Code: _____ **Climate Zone:** _____

Latitude of LL Corner °: _____
Longitude of LL Corner °: _____
Altitude of LL Corner, Unit: _____
Angle y-axis to North °: _____

Directions:

Conducted Under GLP: No **Official Trial ID:** _____
Conducted Under GEP: No **Other Trial ID:** _____
Study Rules: _____

No.	Guideline	Description
1.		

Keywords:

Objectives:

Evaluate commercial ImpactZ treatments in 1-pass and sequential programs compared to standards.

Conclusions:

Contacts

Study Director: Richard Porter **Title:** _____
Organization: _____
Address: _____ **Phone No.:** _____
City+State/Prov.: _____ **Mobile No.:** _____
Postal Code: _____ **E-mail:** _____
Country: _____

Investigator: Ned French, Ph.D. **Title:** _____
Organization: _____
Address: _____ **Phone No.:** _____
City+State/Prov.: _____ **Mobile No.:** _____
Postal Code: _____ **E-mail:** _____
Country: _____

Cooperator/Landowner

Cooperator: _____ **Role:** _____
Organization: _____ **Org. Type:** _____
Address 1: _____ **Address 2:** _____
City: _____ **Phone No.:** _____
State/Prov.: _____ **Fax No.:** _____
Postal Code: _____ **Mobile No.:** _____
Country: _____ **E-mail:** _____

Other Contacts

Name	Role	Other

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Crop Description	
Crop 1: ZEAMX Zea mays Variety: MYCOGEN 2D848 Description: Glyphosate & Glufosinate Toler Seed Size, Unit: _____ Seed Shape: _____ Planting Rate, Unit: 33880 S/A Depth, Unit: 2 IN Row Spacing, Unit: 36 IN Spacing Within Row, Unit: _____ Planting Density, Unit: 33880 SEED/A Soil Temperature, Unit: _____ Soil Moisture: NORMAL normal, adequate Seed Bed: _____ Perennial Age, Unit: _____	BBCH Scale: BCOR Nursery Date: _____ Planting Date: Mar-28-17 Planting Method: _____ Planting Equipment: _____ Emergence Date: Apr-2-17 Harvest Date: _____ Harvested Width, Unit: 6 FT Harvested Length, Unit: 25 FT Harvest Equipment: _____ % Standard Moisture: 15.5 Moisture Meter: _____ Weighing Equipment: _____

Pest Description	
Pest 1 Type: W Code: AMAPA Amaranthus palmeri Common Name: Carelessweed Description: _____ Artificial Population: _____ Establishment Rate, Unit: _____ Concentration, Unit: _____ Establishment Method/Description: _____	 Establishment Date: _____
Pest 2 Type: W Code: RAPRA Raphanus raphanistrum Common Name: Wild radish Description: _____ Artificial Population: _____ Establishment Rate, Unit: _____ Concentration, Unit: _____ Establishment Method/Description: _____	 Establishment Date: _____
Pest 3 Type: W Code: AGRASS ANNUAL GRASSES Common Name: T.PANICUM/CRABGRASS/crowfootgrass/gooseg Description: _____ Artificial Population: _____ Establishment Rate, Unit: _____ Concentration, Unit: _____ Establishment Method/Description: _____	 Establishment Date: _____
Pest 4 Type: W Code: CYPSP Cyperus species. Common Name: Yellow/Purple nutsedge Description: _____ Artificial Population: _____ Establishment Rate, Unit: _____ Concentration, Unit: _____ Establishment Method/Description: _____	 Establishment Date: _____
Pest 5 Type: W Code: ARAHY VOLUNTEER PEANUT Common Name: _____ Description: _____ Artificial Population: _____ Establishment Rate, Unit: _____ Concentration, Unit: _____ Establishment Method/Description: _____	 Establishment Date: _____
Pest 6 Type: W Code: IPOSP ANNUAL MG Common Name: PITTED/IVYLEAF MG Description: _____ Artificial Population: _____ Establishment Rate, Unit: _____ Concentration, Unit: _____ Establishment Method/Description: _____	 Establishment Date: _____

Site and Design	
Treated Plot Width: 6 FT Treated Plot Length: 25 FT Treated Plot Area: 150 FT ² Replications: 4 % Slope: _____	Site Type: FIELD field Experimental Unit: 4 ROW row Tillage Type: CONTIL conventional-till Study Design: RACOB Randomized Complete Block (RCB) Untreated Arrangement: INCLUDED single control randomized in each block

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Trial Initiation Comments:

CRUISERMAX SEED TREATMENT
 800 LBS/A 5-15-30 - PREPLANT
 100 LBS/A NITROGEN (28-0-0-5) APRIL 17, APRIL 25, MAY 1
 AXILO BMZ (MICRONUTRIENTS) - APRIL 20

No.	Previous Crop	Previous Pesticides	Year
1.	PEANUT	MANY	2016

Maintenance

No.	Date	Type	Maintenance Product Name	Form Conc	Form Unit	Form Type	Description	Rate	Rate Unit	Tank Mix
1.										

Comment:

Field Prep./Maintenance:

Soil Description

Description Name:
 % Sand: 92 % OM: 0.77 **Texture:** SAND
 % Silt: 6 pH: 6.5 **Soil Name:** TIFTON
 % Clay: 2 CEC: 3.7 **Fert. Level:** G good
 Soil Drainage: E excellent

Analyzed By:

Additional Measured Elements

Date	Element	Quantity	Unit

Moisture and Weather Conditions

Overall Moisture Conditions: ABONOR above normal
Closest Weather Station: UGA PONDER FARM **Distance, Unit:** 2500 FT

No.	Date	Time	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit	Relative Humidity
1.	Mar-30-17		0.5	IN	SPLAMO	sprinkler - lateral move						
2.	Apr-3-17		0.9	IN	RAIN	rain						
3.	Apr-4-17		0.01	IN	RAIN	rain						
4.	Apr-5-17		2.04	IN	RAIN	rain						
5.	Apr-11-17		0.5	IN	SPLAMO	sprinkler - lateral move						
6.	Apr-13-17		0.5	IN	SPLAMO	sprinkler - lateral move						
7.	Apr-18-17		0.5	IN	SPLAMO	sprinkler - lateral move						
8.	Apr-21-17		0.5	IN	SPLAMO	sprinkler - lateral move						
9.	Apr-23-17		0.17	IN	RAIN	rain						
10.	Apr-26-17		0.5	IN	SPLAMO	sprinkler - lateral move						
11.	Apr-28-17		0.5	IN	SPLAMO	sprinkler - lateral move						
12.	May-1-17		0.5	IN	RAIN	rain						
13.	May-2-17		0.75	IN	SPLAMO	sprinkler - lateral move						
14.	May-2-17		0.01	IN	RAIN	rain						
15.	May-4-17		1.47	IN	RAIN	rain						
16.	May-9-17		0.75	IN	SPLAMO	sprinkler - lateral move						
17.	May-12-17		0.75	IN	SPLAMO	sprinkler - lateral move						
18.	May-15-17		0.75	IN	SPLAMO	sprinkler - lateral move						
19.	May-18-17		0.5	IN	SPLAMO	sprinkler - lateral move						
20.	May-19-17		0.5	IN	SPLAMO	sprinkler - lateral move						

Comment:

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Application Description			
	A	B	C
Application Date:	Mar-29-17	Apr-17-17	Apr-25-17
Appl. Start Time:			
Appl. Stop Time:	8:15 AM	8:15 AM	8:00 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PREMCR	EAPOWE	POSPOS
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	EPP	EPP	EPP
Air Temperature, Unit:	69 F	60 F	60 F
% Relative Humidity:	88	83	96
Wind Velocity, Unit:	0 MPH	0 MPH	4 MPH
Wind Direction:			
Dew Presence (Y/N):		Y yes	Y yes
Soil Temperature, Unit:	68 F	67 F	64 F
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover:	10	10	0
Next Moisture Occurred On:			
Time to Next Moisture, Unit:			

Crop Stage At Each Application			
	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	BBCH	DESC	DESC
Stage Majority, Percent:	100	V3-V4 100	V6 100
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Average Diameter, Unit:			
Height, Unit:		5.5 IN	12 IN
Height Minimum, Maximum:			
Crop coverage (%):			

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Pest Stage At Each Application			
	A	B	C
Pest 1 Code, Type, Scale:	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:	00 100		
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Diameter, Unit:			
Height, Unit:		0.5 IN	
Height Minimum, Maximum:			
Density, Unit:			
Coverage, Unit:			
Pest 2 Code, Type, Scale:	RAPRA W	RAPRA W	RAPRA W
Stage Majority, Percent:			
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Diameter, Unit:			
Height, Unit:		2 IN	2 IN
Height Minimum, Maximum:		1 3	1 3
Density, Unit:			
Coverage, Unit:			
Pest 3 Code, Type, Scale:	AGRASS W	AGRASS W	AGRASS W
Stage Majority, Percent:			
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Diameter, Unit:			
Height, Unit:		0.5 IN	
Height Minimum, Maximum:			
Density, Unit:			
Coverage, Unit:			
Pest 4 Code, Type, Scale:	CYPSP W	CYPSP W	CYPSP W
Stage Majority, Percent:			
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Diameter, Unit:			
Height, Unit:		2.5 IN	5 IN
Height Minimum, Maximum:		2 3	4 6
Density, Unit:			
Coverage, Unit:			
Pest 5 Code, Type, Scale:	ARAHY W	ARAHY W	ARAHY W
Stage Majority, Percent:			
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Diameter, Unit:			
Height, Unit:		1 IN	3 IN
Height Minimum, Maximum:			2 4
Density, Unit:			
Coverage, Unit:			
Pest 6 Code, Type, Scale:	IPOSP W	IPOSP W	IPOSP W
Stage Majority, Percent:			
Stage Minimum, Percent:			
Stage Maximum, Percent:			
Diameter, Unit:			
Height, Unit:		0.5 IN	1.5 IN
Height Minimum, Maximum:			1 2
Density, Unit:			
Coverage, Unit:			

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Application Equipment

	A	B	C
Appl. Equipment:	BOOM	BOOM	BOOM
Equipment Type:	BACSPR	BACSPR	BACSPR
Operation Pressure, Unit:	35 PSI	35 PSI	35 PSI
Nozzle Type:	AIXR	AIXR	AIXR
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Nozzles/Row:	2		
Band Width, Unit:			
% Coverage:			
Boom ID:			
Boom Length, Unit:	72 IN	72 IN	72 IN
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER
Water Hardness (ppm CaCO3):			
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC	15 GAL/AC
Mix Size, Unit:	1.5 liters	1.5 liters	1.5 liters
Spray pH:			
Propellant:	COMCO2	COMCO2	COMCO2
Tank Mix (Y/N):	Y yes	Y yes	Y yes
Equipment Comment:			

Trt No Treatment Application Comment

Date	By	Notes
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No. Date	By	Deviations
1.		
Reasons:		

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Location: UGA PONDER FARM Trial Year: 2017
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							W Weed AMAPA Amaranthus pal> Carelessweed	A. GRASS				
							ZEAMA BCOR Zea mays amyla> Flour corn STUNT	CONTROL		CONTROL	ZEAMA BCOR Zea mays amyla> Flour corn STUNT	
							Apr-7-17 PERCENT	Apr-7-17 PERCENT	Apr-7-17 PERCENT	Apr-17-17 PERCENT		
							1	1	1	1		
							1	2	3	4		
							9 9	9 9	9 9	19 19		
							10 DP-1	10 DP-1	10 DP-1	20 DP-1		
							5 DE-1	5 DE-1	5 DE-1	15 DE-1		
							1	2	3	4		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	Appl Code						
1	Untreated Check						0.0 c	0.0 b	0.0 b	0.0 c		
2	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		10.0 a	99.0 a	99.0 a	3.8 b		
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C							
	MSO	100 SL		1.0 % v/v	POSPOS C							
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C							
3	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		10.0 a	99.0 a	99.0 a	5.0 ab		
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C							
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	POSPOS C							
	MSO	100 SL		0.5 % v/v	POSPOS C							
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C							
4	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		11.3 a	99.0 a	99.0 a	6.3 ab		
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C							
	Liberty 280 SL	2.34 SL		0.402 lb ai/a	POSPOS C							
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C							
5	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		10.0 a	99.0 a	99.0 a	6.3 ab		
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C							
	Status	56 WG		0.175 lb ai/a	POSPOS C							
	MSO	100 SL		1.0 % v/v	POSPOS C							
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C							
6	Harness	7 EC		1.53 lb ai/a	EAPOWE B		0.0 c	0.0 b	0.0 b	0.0 c		
	ImpactZ	4.26 SC		0.266 lb ai/a	EAPOWE B							
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	EAPOWE B							
	NIS	100 SL		0.25 % v/v	EAPOWE B							
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B							
7	Armezon PRO	5.35 EC		0.84 lb ai/a	EAPOWE B		0.0 c	0.0 b	0.0 b	0.0 c		
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	EAPOWE B							
	Atrazine	4 F		0.25 lb ai/a	EAPOWE B							
	NIS	100 SL		0.25 % v/v	EAPOWE B							
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B							
8	Halex GT	4.39 CS		1.98 lb ai/a	EAPOWE B		0.0 c	0.0 b	0.0 b	0.0 c		
	Atrazine	4 F		0.25 lb ai/a	EAPOWE B							
	NIS	100 SL		0.25 % v/v	EAPOWE B							
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B							
9	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	EAPOWE B		0.0 c	0.0 b	0.0 b	0.0 c		
	ATRAZINE	4 L		64.0 oz/a	EAPOWE B							
	PROWL H20	3.8 SC		32.0 oz/a	EAPOWE B							
10	LIBERTY 280	2.34 SL		29 oz/a	EAPOWE B		0.0 c	0.0 b	0.0 b	0.0 c		
	ATRAZINE	4 L		64.0 oz/a	EAPOWE B							
	PROWL H20	3.8 SC		32 oz/a	EAPOWE B							

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=4,5,6,7,8
 Could not calculate LSD (% mean diff) for columns: 2,3,6,8,11,14,15,16,17 because error mean square = 0.

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Pest Type Pest Code Pest Scientific Name Pest Name Crop Code BBCH Scale Crop Scientific Name Crop Name Description Part Rated Rating Date Rating Type Rating Unit Sample Size, Unit Number of Subsamples SE Group No. Days After First/Last Applic. Plant-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	ZEAMA BCOR Zea mays amyla> Flour corn STUNT Apr-7-17 PERCENT 1 1 9 9 10 DP-1 5 DE-1	W Weed AMAPA Amaranthus pal> Carelessweed CONTROL Apr-7-17 PERCENT 1 2 9 9 10 DP-1 5 DE-1	A. GRASS CONTROL Apr-7-17 PERCENT 1 3 9 9 10 DP-1 5 DE-1	ZEAMA BCOR Zea mays amyla> Flour corn STUNT Apr-17-17 PERCENT 1 4 19 19 20 DP-1 15 DE-1
Trt Treatment Form Form Rate Growth Appl No. Name Conc Type Rate Unit Stage Code	1	2	3	4
11 ACURON 3.44 EC 80.0 oz/a PREMCR A	5.0 b	99.0 a	99.0 a	7.5 a
ROUNDUP P-MAX 5.5 SL 32.0 oz/a POSPOS C				
12 NTC	0.0 c	0.0 b	0.0 b	0.0 c
LSD P=.10	2.21	.	.	3.12
Standard Deviation	1.85	0.00	0.00	2.61
CV	48.02	0.0	0.0	108.74
Grand Mean	3.85	41.25	41.25	2.40
Bartlett's X2	1.868	0.0	0.0	2.073
P(Bartlett's X2)	0.172	.	.	0.722
Replicate F	0.558	0.000	0.000	0.691
Replicate Prob(F)	0.6467	1.0000	1.0000	0.5645
Treatment F	29.018	0.000	0.000	5.602
Treatment Prob(F)	0.0001	1.0000	1.0000	0.0001

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 Missing data estimates are included in columns: Average=4,5,6,7,8
 Could not calculate LSD (% mean diff) for columns 2,3,6,8,11,14,15,16,17 because error mean square = 0.

University of Georgia

Pest Type							W Weed	A. GRASS	W Weed	
Pest Code							AMAPA		RAPRA	
Pest Scientific Name							Amaranthus pal>		Raphanus rapha>	
Pest Name							Carelessweed		Wild radish	
Crop Code							ZEAMA			
BBCH Scale							BCOR			
Crop Scientific Name							Zea mays amyla>			
Crop Name							Flour corn			
Description							CHLORO	CONTROL	CONTROL	
Part Rated							LEAF -		CONTROL	
Rating Date							Apr-17-17	Apr-17-17	Apr-17-17	
Rating Type							PERCENT	PERCENT	PERCENT	
Rating Unit										
Sample Size, Unit										
Number of Subsamples							1	1	1	
SE Group No.							5	6	7	
Days After First/Last Applic.							19 19	19 19	19 19	
Plant-Eval Interval							20 DP-1	20 DP-1	20 DP-1	
Days After Emergence							15 DE-1	15 DE-1	15 DE-1	
ARM Action Codes										
Number of Decimals										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	Appl Code	5	6	7	8
1	Untreated Check						0.0 b	0.0 b	0.0 c	0.0 b
2	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		1.3 b	99.0 a	99.0 a	99.0 a
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	MSO	100 SL		1.0 % v/v	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
3	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		1.7 b	99.0 a	97.7 ab	99.0 a
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	POSPOS C					
	MSO	100 SL		0.5 % v/v	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
4	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		3.8 a	99.0 a	99.0 a	99.0 a
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	Liberty 280 SL	2.34 SL		0.402 lb ai/a	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
5	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		1.3 b	99.0 a	98.0 ab	99.0 a
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	Status	56 WG		0.175 lb ai/a	POSPOS C					
	MSO	100 SL		1.0 % v/v	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
6	Harness	7 EC		1.53 lb ai/a	EAPOWE B		0.0 b	0.0 b	0.0 c	0.0 b
	ImpactZ	4.26 SC		0.266 lb ai/a	EAPOWE B					
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	EAPOWE B					
	NIS	100 SL		0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B					
7	Armezon PRO	5.35 EC		0.84 lb ai/a	EAPOWE B		0.0 b	0.0 b	0.0 c	0.0 b
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	EAPOWE B					
	Atrazine	4 F		0.25 lb ai/a	EAPOWE B					
	NIS	100 SL		0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B					
8	Halex GT	4.39 CS		1.98 lb ai/a	EAPOWE B		0.0 b	0.0 b	0.0 c	0.0 b
	Atrazine	4 F		0.25 lb ai/a	EAPOWE B					
	NIS	100 SL		0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B					
9	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	EAPOWE B		0.0 b	0.0 b	0.0 c	0.0 b
	ATRAZINE	4 L		64.0 oz/a	EAPOWE B					
	PROWL H20	3.8 SC		32.0 oz/a	EAPOWE B					
10	LIBERTY 280	2.34 SL		29 oz/a	EAPOWE B		0.0 b	0.0 b	0.0 c	0.0 b
	ATRAZINE	4 L		64.0 oz/a	EAPOWE B					
	PROWL H20	3.8 SC		32 oz/a	EAPOWE B					

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 Could not calculate LSD (% mean diff) for columns: 2,3,6,8,11,14,15,16,17 because error mean square = 0.

University of Georgia

Pest Type			W Weed		W Weed
Pest Code			AMAPA	A. GRASS	RAPRA
Pest Scientific Name			Amaranthus pal>		Raphanus rapha>
Pest Name			Carelessweed		Wild radish
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Description					
Part Rated					
Rating Date					
Rating Type					
Rating Unit					
Sample Size, Unit					
Number of Subsamples					
SE Group No.					
Days After First/Last Applic.					
Plant-Eval Interval					
Days After Emergence					
ARM Action Codes					
Number of Decimals					
Trt Treatment	Form Form	Rate	Growth	Appl	
No. Name	Conc Type	Rate Unit	Stage	Code	
11 ACURON	3.44 EC	80.0 oz/a	PREMCR A		
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POSPOS C		
12 NTC					
LSD P=.10	1.79			2.51	
Standard Deviation	1.49		0.00	2.10	0.00
CV	226.35		0.0	5.14	0.0
Grand Mean	0.66		41.25	40.76	41.25
Bartlett's X2	0.069		0.0	5.105	0.0
P(Bartlett's X2)	0.995			0.078	
Replicate F	0.234		0.000	2.212	0.000
Replicate Prob(F)	0.8723		1.0000	0.1059	1.0000
Treatment F	2.404		0.000	2312.297	0.000
Treatment Prob(F)	0.0262		1.0000	0.0001	1.0000

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 Could not calculate LSD (% mean diff) for columns 2,3,6,8,11,14,15,16,17 because error mean square = 0.

University of Georgia

							W Weed AMAPA Amaranthus pal> Carelessweed	A. GRASS		
Pest Type										
Pest Code										
Pest Scientific Name										
Pest Name										
Crop Code	ZEAMA									
BBCH Scale	BCOR									
Crop Scientific Name	Zea mays amyla>									
Crop Name	Flour corn									
Description	STUNT						CONTROL	CONTROL		
Part Rated										
Rating Date	Apr-24-17						Apr-24-17	Apr-24-17		
Rating Type	PERCENT						PERCENT	PERCENT		
Rating Unit										
Sample Size, Unit										
Number of Subsamples	1						1	1		
SE Group No.	9						10	11		
Days After First/Last Applic.	26 7						26 7	26 7		
Plant-Eval Interval	27 DP-1						27 DP-1	27 DP-1		
Days After Emergence	22 DE-1						22 DE-1	22 DE-1		
ARM Action Codes										
Number of Decimals										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	Appl Code	9	10	11	12
1	Untreated Check						0.0 a	0.0 c	0.0 b	0.0 d
2	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		2.5 a	0.0 c	100.0 a	96.3 bc
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C					
	MSO	100	SL	1.0 % v/v	POSPOS C					
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C					
3	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		3.8 a	0.0 c	100.0 a	95.0 c
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C					
	Roundup PowerMax	4.5	SL	1.13 lb ai/a	POSPOS C					
	MSO	100	SL	0.5 % v/v	POSPOS C					
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C					
4	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		3.8 a	0.0 c	100.0 a	96.3 bc
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C					
	Liberty 280 SL	2.34	SL	0.402 lb ai/a	POSPOS C					
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C					
5	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		1.3 a	0.0 c	100.0 a	95.0 c
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C					
	Status	56	WG	0.175 lb ai/a	POSPOS C					
	MSO	100	SL	1.0 % v/v	POSPOS C					
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C					
6	Harness	7	EC	1.53 lb ai/a	EAPOWE B		6.3 a	18.8 a	100.0 a	100.0 a
	ImpactZ	4.26	SC	0.266 lb ai/a	EAPOWE B					
	Roundup PowerMax	4.5	SL	1.13 lb ai/a	EAPOWE B					
	NIS	100	SL	0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100	L	2.5 % v/v	EAPOWE B					
7	Armezon PRO	5.35	EC	0.84 lb ai/a	EAPOWE B		7.5 a	8.8 b	100.0 a	100.0 a
	Roundup PowerMax	4.5	SL	1.13 lb ai/a	EAPOWE B					
	Atrazine	4	F	0.25 lb ai/a	EAPOWE B					
	NIS	100	SL	0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100	L	2.5 % v/v	EAPOWE B					
8	Halex GT	4.39	CS	1.98 lb ai/a	EAPOWE B		0.0 a	0.0 c	100.0 a	96.3 bc
	Atrazine	4	F	0.25 lb ai/a	EAPOWE B					
	NIS	100	SL	0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100	L	2.5 % v/v	EAPOWE B					
9	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	EAPOWE B		2.5 a	0.0 c	100.0 a	97.5 abc
	ATRAZINE	4	L	64.0 oz/a	EAPOWE B					
	PROWL H20	3.8	SC	32.0 oz/a	EAPOWE B					
10	LIBERTY 280	2.34	SL	29 oz/a	EAPOWE B		0.0 a	0.0 c	100.0 a	98.8 ab
	ATRAZINE	4	L	64.0 oz/a	EAPOWE B					
	PROWL H20	3.8	SC	32 oz/a	EAPOWE B					

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University of Georgia

Pest Type				W Weed	
Pest Code				AMAPA	A. GRASS
Pest Scientific Name				Amaranthus pal>	
Pest Name				Carelessweed	
Crop Code		ZEAMA			
BBCH Scale		BCOR			
Crop Scientific Name		Zea mays amyla>			
Crop Name		Flour corn			
Description		STUNT			
Part Rated				CONTROL	CONTROL
Rating Date		Apr-24-17		Apr-24-17	Apr-24-17
Rating Type		PERCENT		PERCENT	PERCENT
Rating Unit					
Sample Size, Unit					
Number of Subsamples		1		1	1
SE Group No.		9		11	12
Days After First/Last Applic.		26 7		26 7	26 7
Plant-Eval Interval		27 DP-1		27 DP-1	27 DP-1
Days After Emergence		22 DE-1		22 DE-1	22 DE-1
ARM Action Codes					
Number of Decimals					
Trt Treatment	Form Form	Rate	Growth	Appl	
No. Name	Conc Type	Rate Unit	Stage	Code	
					9 10 11 12
11 ACURON	3.44 EC	80.0 oz/a	PREMCR A		1.3 a 0.0 c 100.0 a 95.0 c
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POSPOS C		
12 NTC					0.0 a 0.0 c 0.0 b 0.0 d
LSD P=.10		4.66		1.24	. 2.85
Standard Deviation		3.89		1.04	0.00 2.38
CV		162.55		45.21	0.0 2.95
Grand Mean		2.40		2.29	83.33 80.83
Bartlett's X2		3.699		0.0	0.0 2.84
P(Bartlett's X2)		0.814		.	. 0.899
Replicate F		0.401		0.647	0.000 6.600
Replicate Prob(F)		0.7535		0.5904	1.0000 0.0013
Treatment F		1.683		123.706	0.000 1005.867
Treatment Prob(F)		0.1214		0.0001	1.0000 0.0001

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 Could not calculate LSD (% mean diff) for columns 2,3,6,8,11,14,15,16,17 because error mean square = 0.

University of Georgia

Pest Type							W Weed	A. GRASS	W Weed
Pest Code							AMAPA		RAPRA
Pest Scientific Name							Amaranthus pal>		Raphanus rapha>
Pest Name							Carelessweed		Wild radish
Crop Code							ZEAMA		
BBCH Scale							BCOR		
Crop Scientific Name							Zea mays amyla>		
Crop Name							Flour corn		
Description							STUNT	CONTROL	CONTROL
Part Rated									CONTROL
Rating Date							May-5-17	May-5-17	May-5-17
Rating Type							PERCENT	PERCENT	PERCENT
Rating Unit									
Sample Size, Unit									
Number of Subsamples							1	1	1
SE Group No.							13	14	15
Days After First/Last Applic.							37 10	37 10	37 10
Plant-Eval Interval							38 DP-1	38 DP-1	38 DP-1
Days After Emergence							33 DE-1	33 DE-1	33 DE-1
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	Appl Code	13	14	15
1	Untreated Check						0.0 c	0.0 b	0.0 b
2	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		2.5 abc	100.0 a	100.0 a
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C				
	MSO	100	SL	1.0 % v/v	POSPOS C				
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C				
3	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		1.3 bc	100.0 a	100.0 a
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C				
	Roundup PowerMax	4.5	SL	1.13 lb ai/a	POSPOS C				
	MSO	100	SL	0.5 % v/v	POSPOS C				
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C				
4	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		5.0 abc	100.0 a	100.0 a
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C				
	Liberty 280 SL	2.34	SL	0.402 lb ai/a	POSPOS C				
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C				
5	Harness Xtra 5.6	5.6	SC	2.52 lb ai/a	PREMCR A		6.3 ab	100.0 a	100.0 a
	ImpactZ	4.26	SC	0.266 lb ai/a	POSPOS C				
	Status	56	WG	0.175 lb ai/a	POSPOS C				
	MSO	100	SL	1.0 % v/v	POSPOS C				
	N-Pak AMS Liquid	100	L	2.5 % v/v	POSPOS C				
6	Harness	7	EC	1.53 lb ai/a	EAPOWE B		7.5 a	100.0 a	100.0 a
	ImpactZ	4.26	SC	0.266 lb ai/a	EAPOWE B				
	Roundup PowerMax	4.5	SL	1.13 lb ai/a	EAPOWE B				
	NIS	100	SL	0.25 % v/v	EAPOWE B				
	N-Pak AMS Liquid	100	L	2.5 % v/v	EAPOWE B				
7	Armezon PRO	5.35	EC	0.84 lb ai/a	EAPOWE B		2.5 abc	100.0 a	100.0 a
	Roundup PowerMax	4.5	SL	1.13 lb ai/a	EAPOWE B				
	Atrazine	4	F	0.25 lb ai/a	EAPOWE B				
	NIS	100	SL	0.25 % v/v	EAPOWE B				
	N-Pak AMS Liquid	100	L	2.5 % v/v	EAPOWE B				
8	Halex GT	4.39	CS	1.98 lb ai/a	EAPOWE B		0.0 c	100.0 a	100.0 a
	Atrazine	4	F	0.25 lb ai/a	EAPOWE B				
	NIS	100	SL	0.25 % v/v	EAPOWE B				
	N-Pak AMS Liquid	100	L	2.5 % v/v	EAPOWE B				
9	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	EAPOWE B		3.8 abc	100.0 a	100.0 a
	ATRAZINE	4	L	64.0 oz/a	EAPOWE B				
	PROWL H20	3.8	SC	32.0 oz/a	EAPOWE B				
10	LIBERTY 280	2.34	SL	29 oz/a	EAPOWE B		0.0 c	100.0 a	100.0 a
	ATRAZINE	4	L	64.0 oz/a	EAPOWE B				
	PROWL H20	3.8	SC	32 oz/a	EAPOWE B				

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University of Georgia

Pest Type		W Weed	A. GRASS	W Weed
Pest Code		AMAPA		RAPRA
Pest Scientific Name		Amaranthus pal>		Raphanus rapha>
Pest Name		Carelessweed		Wild radish
Crop Code	ZEAMA			
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays amyla>			
Crop Name	Flour corn			
Description	STUNT	CONTROL	CONTROL	CONTROL
Part Rated				
Rating Date	May-5-17	May-5-17	May-5-17	May-5-17
Rating Type	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit				
Sample Size, Unit				
Number of Subsamples	1	1	1	1
SE Group No.	13	14	15	16
Days After First/Last Applic.	37 10	37 10	37 10	37 10
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1
Days After Emergence	33 DE-1	33 DE-1	33 DE-1	33 DE-1
ARM Action Codes				
Number of Decimals				
Trt Treatment	Form Form	Rate	Growth	Appl
No. Name	Conc Type	Unit	Stage	Code
			13	14
11 ACURON	3.44 EC	80.0 oz/a	PREMCR A	15
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POSPOS C	16
12 NTC			0.0 c	0.0 b
LSD P=.10	4.83			
Standard Deviation	4.04	0.00	0.00	0.00
CV	168.53	0.0	0.0	0.0
Grand Mean	2.40	83.33	83.33	83.33
Bartlett's X2	3.067	0.0	0.0	0.0
P(Bartlett's X2)	0.80			
Replicate F	0.884	0.000	0.000	0.000
Replicate Prob(F)	0.4595	1.0000	1.0000	1.0000
Treatment F	1.774	0.000	0.000	0.000
Treatment Prob(F)	0.0998	1.0000	1.0000	1.0000

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 Could not calculate LSD (% mean diff) for columns 2,3,6,8,11,14,15,16,17 because error mean square = 0.

University of Georgia

Pest Type							W Weed	A. GRASS		
Pest Code										
Pest Scientific Name							Amaranthus pal>			
Pest Name							Carelessweed			
Crop Code									ZEAMA	ZEAMA
BBCH Scale									BCOR	BCOR
Crop Scientific Name									Zea mays amyla>	Zea mays amyla>
Crop Name									Flour corn	Flour corn
Description							CONTROL	CONTROL	YIELD	YIELD
Part Rated										
Rating Date							May-18-17	May-18-17	Aug-22-17	Aug-22-17
Rating Type							PERCENT	PERCENT		YIELD
Rating Unit									LBS/PLOT	BU/A
Sample Size, Unit									1 PLOT	1 A
Number of Subsamples							1	1	1	1
SE Group No.							17	18	19	20
Days After First/Last Applic.							50 23	50 23	146 119	146 119
Plant-Eval Interval							51 DP-1	51 DP-1	147 DP-1	147 DP-1
Days After Emergence							46 DE-1	46 DE-1	142 DE-1	142 DE-1
ARM Action Codes										TY1
Number of Decimals										0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	Appl Code	17	18	19	20
1	Untreated Check						0.0 b	0.0 c	40.8 d	206 d
2	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		100.0 a	98.8 ab	44.8 bc	226 bc
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	MSO	100 SL		1.0 % v/v	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
3	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		100.0 a	97.5 b	45.3 bc	228 bc
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	POSPOS C					
	MSO	100 SL		0.5 % v/v	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
4	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		100.0 a	100.0 a	46.0 ab	232 ab
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	Liberty 280 SL	2.34 SL		0.402 lb ai/a	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
5	Harness Xtra 5.6	5.6 SC		2.52 lb ai/a	PREMCR A		100.0 a	100.0 a	43.3 c	218 c
	ImpactZ	4.26 SC		0.266 lb ai/a	POSPOS C					
	Status	56 WG		0.175 lb ai/a	POSPOS C					
	MSO	100 SL		1.0 % v/v	POSPOS C					
	N-Pak AMS Liquid	100 L		2.5 % v/v	POSPOS C					
6	Harness	7 EC		1.53 lb ai/a	EAPOWE B		100.0 a	100.0 a	46.8 ab	236 ab
	ImpactZ	4.26 SC		0.266 lb ai/a	EAPOWE B					
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	EAPOWE B					
	NIS	100 SL		0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B					
7	Armezon PRO	5.35 EC		0.84 lb ai/a	EAPOWE B		100.0 a	100.0 a	45.3 bc	228 bc
	Roundup PowerMax	4.5 SL		1.13 lb ai/a	EAPOWE B					
	Atrazine	4 F		0.25 lb ai/a	EAPOWE B					
	NIS	100 SL		0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B					
8	Halex GT	4.39 CS		1.98 lb ai/a	EAPOWE B		100.0 a	100.0 a	47.3 ab	238 ab
	Atrazine	4 F		0.25 lb ai/a	EAPOWE B					
	NIS	100 SL		0.25 % v/v	EAPOWE B					
	N-Pak AMS Liquid	100 L		2.5 % v/v	EAPOWE B					
9	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	EAPOWE B		100.0 a	100.0 a	46.3 ab	233 ab
	ATRAZINE	4 L		64.0 oz/a	EAPOWE B					
	PROWL H20	3.8 SC		32.0 oz/a	EAPOWE B					
10	LIBERTY 280	2.34 SL		29 oz/a	EAPOWE B		100.0 a	100.0 a	46.0 ab	232 ab
	ATRAZINE	4 L		64.0 oz/a	EAPOWE B					
	PROWL H20	3.8 SC		32 oz/a	EAPOWE B					

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=4,5,6,7,8
 Could not calculate LSD (% mean diff) for columns: 2,3,6,8,11,14,15,16,17 because error mean square = 0.

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Pest Type	W Weed		A. GRASS			
Pest Code	AMAPA					
Pest Scientific Name	Amaranthus pal>					
Pest Name	Carelessweed					
Crop Code					ZEAMA	ZEAMA
BBCH Scale					BCOR	BCOR
Crop Scientific Name					Zea mays amyla>	Zea mays amyla>
Crop Name					Flour corn	Flour corn
Description	CONTROL		CONTROL		YIELD	YIELD
Part Rated						
Rating Date	May-18-17		May-18-17		Aug-22-17	Aug-22-17
Rating Type	PERCENT		PERCENT			YIELD
Rating Unit					LBS/PLOT	BU/A
Sample Size, Unit					1 PLOT	1 A
Number of Subsamples	1		1		1	1
SE Group No.	17		18		19	20
Days After First/Last Applic.	50 23		50 23		146 119	146 119
Plant-Eval Interval	51 DP-1		51 DP-1		147 DP-1	147 DP-1
Days After Emergence	46 DE-1		46 DE-1		142 DE-1	142 DE-1
ARM Action Codes						TY1
Number of Decimals						0
Trt Treatment	Form	Form	Rate	Growth	Appl	
No. Name	Conc	Type	Unit	Stage	Code	
						17 18 19 20
11 ACURON	3.44	EC	80.0 oz/a	PREMCR	A	100.0 a 100.0 a 48.0 a 242 a
ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POSPOS	C	
12 NTC						0.0 b 0.0 c 40.0 d 202 d
LSD P=.10						. 1.86 2.36 11.9
Standard Deviation						0.00 1.55 1.97 10.0
CV						0.0 1.87 4.39 4.39
Grand Mean						83.33 83.02 44.96 226.8
Bartlett's X2						0.0 1.321 9.72 9.72
P(Bartlett's X2)						. 0.25 0.556 0.556
Replicate F						0.000 1.941 6.452 6.452
Replicate Prob(F)						1.0000 0.1421 0.0015 0.0015
Treatment F						0.000 2491.981 6.251 6.251
Treatment Prob(F)						1.0000 0.0001 0.0001 0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=4,5,6,7,8
 Could not calculate LSD (% mean diff) for columns 2,3,6,8,11,14,15,16,17 because error mean square = 0.

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IMPACT-Z FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-17	Location: UGA PONDER FARM Trial Year: 2017
Protocol ID: 17C04H060	Investigator: Ned French, Ph.D.
Project ID: 17C04H060-SOUTH	Study Director: Richard Porter
Sponsor Contact:	

Pest Type

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

Pest Code

AMAPA, Amaranthus palmeri, Carelessweed = US

RAPRA, Raphanus raphanistrum, Wild radish = US

Crop Code

ZEAMA, BCOR, Zea mays amylacea, Flour corn = US

Part Rated

LEAF = foliage

Rating Type

YIELD = yield

PLOT = total plot

A = acre

Plant-Eval Interval

10 DP-1 = 1 ZEAMX Mar-28-17

20 DP-1 = 1 ZEAMX Mar-28-17

27 DP-1 = 1 ZEAMX Mar-28-17

38 DP-1 = 1 ZEAMX Mar-28-17

51 DP-1 = 1 ZEAMX Mar-28-17

147 DP-1 = 1 ZEAMX Mar-28-17

ARM Action Codes

TY1 = 5.044565*[19]

University of Georgia

IMPACT-Z FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-17	Location: UGA PONDER FARM Trial Year: 2017
Protocol ID: 17C04H060	Investigator: Ned French, Ph.D.
Project ID: 17C04H060-SOUTH	Study Director: Richard Porter
	Sponsor Contact:

Pest Type		W Weed	A. GRASS		
Pest Code		AMAPA			
Pest Scientific Name		Amaranthus pal			
Pest Name		Carelessweed			
Crop Code	ZEAMA				ZEAMA
BBCH Scale	BCOR				BCOR
Crop Scientific Name	Zea mays amyla>				Zea mays amyla>
Crop Name	Flour corn				Flour corn
Description	STUNT	CONTROL	CONTROL		STUNT
Part Rated					
Rating Date	Apr-7-17	Apr-7-17	Apr-7-17		Apr-17-17
Rating Type	PERCENT	PERCENT	PERCENT		PERCENT
Rating Unit					
Sample Size, Unit					
Number of Subsamples	1	1	1		1
SE Group No.	1	2	3		4
Days After First/Last Applic.	9 9	9 9	9 9		19 19
Plant-Eval Interval	10 DP-1	10 DP-1	10 DP-1		20 DP-1
Days After Emergence	5 DE-1	5 DE-1	5 DE-1		15 DE-1
ARM Action Codes					
Number of Decimals					
Trt Treatment	Form Form	Rate	Growth	Appl	
No. Name	Conc Type	Rate Unit	Stage	Code Plot	
					1 2 3 4
1 Untreated Check				101	0.0
				206	0.0
				312	0.0
				407	0.0
				Mean =	0.0
2 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	102	10.0
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	209	10.0
MSO	100 SL	1.0 % v/v	POSPOS C	307	10.0
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C	404	10.0
				Mean =	10.0
3 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	103	10.0
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	210	10.0
Roundup PowerMax	4.5 SL	1.13 lb ai/a	POSPOS C	303	10.0
MSO	100 SL	0.5 % v/v	POSPOS C	402	10.0
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C		
				Mean =	10.0
4 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	104	15.0
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	211	10.0
Liberty 280 SL	2.34 SL	0.402 lb ai/a	POSPOS C	308	10.0
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C	406	10.0
				Mean =	11.3
5 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	105	10.0
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	201	10.0
Status	56 WG	0.175 lb ai/a	POSPOS C	310	10.0
MSO	100 SL	1.0 % v/v	POSPOS C	409	10.0
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C		
				Mean =	10.0
6 Harness	7 EC	1.53 lb ai/a	EAPOWE B	106	0.0
ImpactZ	4.26 SC	0.266 lb ai/a	EAPOWE B	202	0.0
Roundup PowerMax	4.5 SL	1.13 lb ai/a	EAPOWE B	311	0.0
NIS	100 SL	0.25 % v/v	EAPOWE B	412	0.0
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B		
				Mean =	0.0
7 Armezon PRO	5.35 EC	0.84 lb ai/a	EAPOWE B	107	0.0
Roundup PowerMax	4.5 SL	1.13 lb ai/a	EAPOWE B	212	0.0
Atrazine	4 F	0.25 lb ai/a	EAPOWE B	302	0.0
NIS	100 SL	0.25 % v/v	EAPOWE B	410	0.0
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B		
				Mean =	0.0
8 Halex GT	4.39 CS	1.98 lb ai/a	EAPOWE B	108	0.0
Atrazine	4 F	0.25 lb ai/a	EAPOWE B	207	0.0
NIS	100 SL	0.25 % v/v	EAPOWE B	304	0.0
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B	405	0.0
				Mean =	0.0

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Pest Type Pest Code Pest Scientific Name Pest Name Crop Code BBCH Scale Crop Scientific Name Crop Name Description Part Rated Rating Date Rating Type Rating Unit Sample Size, Unit Number of Subsamples SE Group No. Days After First/Last Applic. Plant-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	ZEAMA BCOR Zea mays amyla> Flour corn STUNT Apr-7-17 PERCENT 1 1 9 9 10 DP-1 5 DE-1	W Weed AMAPA Amaranthus pal> Carelessweed CONTROL Apr-7-17 PERCENT 1 2 9 9 10 DP-1 5 DE-1	A. GRASS CONTROL Apr-7-17 PERCENT 1 3 9 9 10 DP-1 5 DE-1	ZEAMA BCOR Zea mays amyla> Flour corn STUNT Apr-17-17 PERCENT 1 4 19 19 20 DP-1 15 DE-1																																																																																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Trt No.</th> <th style="width: 15%;">Treatment Name</th> <th style="width: 10%;">Form Conc</th> <th style="width: 10%;">Form Type</th> <th style="width: 10%;">Rate</th> <th style="width: 10%;">Unit</th> <th style="width: 10%;">Growth Stage</th> <th style="width: 10%;">Appl Code</th> <th style="width: 10%;">Plot</th> <th style="width: 10%;">1</th> <th style="width: 10%;">2</th> <th style="width: 10%;">3</th> <th style="width: 10%;">4</th> </tr> </thead> <tbody> <tr> <td rowspan="5">9</td> <td>ROUNDUP P-MAX</td> <td>5.5</td> <td>SL</td> <td>32.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>109</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>ATRAZINE</td> <td>4</td> <td>L</td> <td>64.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>205</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>306</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>401</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Mean =</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td rowspan="5">10</td> <td>LIBERTY 280</td> <td>2.34</td> <td>SL</td> <td>29</td> <td>oz/a</td> <td>EAPOWE B</td> <td>110</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>ATRAZINE</td> <td>4</td> <td>L</td> <td>64.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>204</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32</td> <td>oz/a</td> <td>EAPOWE B</td> <td>305</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>403</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Mean =</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td rowspan="5">11</td> <td>ACURON</td> <td>3.44</td> <td>EC</td> <td>80.0</td> <td>oz/a</td> <td>PREMCR A</td> <td>111</td> <td></td> <td>0.0</td> <td>99.0</td> <td>99.0</td> <td>5.0</td> </tr> <tr> <td>ROUNDUP P-MAX</td> <td>5.5</td> <td>SL</td> <td>32.0</td> <td>oz/a</td> <td>POSPOS C</td> <td>208</td> <td></td> <td>10.0</td> <td>99.0</td> <td>99.0</td> <td>5.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>309</td> <td></td> <td>10.0</td> <td>99.0</td> <td>99.0</td> <td>10.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>411</td> <td></td> <td>0.0</td> <td>99.0</td> <td>99.0</td> <td>10.0</td> </tr> <tr> <td>Mean =</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5.0</td> <td>99.0</td> <td>99.0</td> <td>7.5</td> </tr> <tr> <td rowspan="5">12</td> <td>NTC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>112</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>203</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>301</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>408</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Mean =</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> </tbody> </table>	Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Growth Stage	Appl Code	Plot	1	2	3	4	9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	EAPOWE B	109		0.0	0.0	0.0	0.0	ATRAZINE	4	L	64.0	oz/a	EAPOWE B	205		0.0	0.0	0.0	0.0	PROWL H20	3.8	SC	32.0	oz/a	EAPOWE B	306		0.0	0.0	0.0	0.0							401		0.0	0.0	0.0	0.0	Mean =								0.0	0.0	0.0	0.0	10	LIBERTY 280	2.34	SL	29	oz/a	EAPOWE B	110		0.0	0.0	0.0	0.0	ATRAZINE	4	L	64.0	oz/a	EAPOWE B	204		0.0	0.0	0.0	0.0	PROWL H20	3.8	SC	32	oz/a	EAPOWE B	305		0.0	0.0	0.0	0.0							403		0.0	0.0	0.0	0.0	Mean =								0.0	0.0	0.0	0.0	11	ACURON	3.44	EC	80.0	oz/a	PREMCR A	111		0.0	99.0	99.0	5.0	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POSPOS C	208		10.0	99.0	99.0	5.0							309		10.0	99.0	99.0	10.0							411		0.0	99.0	99.0	10.0	Mean =								5.0	99.0	99.0	7.5	12	NTC						112		0.0	0.0	0.0	0.0							203		0.0	0.0	0.0	0.0							301		0.0	0.0	0.0	0.0							408		0.0	0.0	0.0	0.0	Mean =								0.0	0.0	0.0	0.0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Growth Stage	Appl Code	Plot	1	2	3	4																																																																																																																																																																																																																																																					
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University of Georgia

Pest Type						W Weed	A. GRASS	W Weed	
Pest Code						AMAPA		RAPRA	
Pest Scientific Name						Amaranthus pal>		Raphanus rapha>	
Pest Name						Carelessweed		Wild radish	
Crop Code									
BBCH Scale									
Crop Scientific Name						ZEAMA			
Crop Name						BCOR			
Description						Zea mays amyla>			
Part Rated						Flour corn			
Rating Date						CHLORO	CONTROL	CONTROL	
Rating Type						LEAF -			
Rating Unit						Apr-17-17	Apr-17-17	Apr-17-17	
Sample Size, Unit						PERCENT	PERCENT	PERCENT	
Number of Subsamples									
SE Group No.						1	1	1	
Days After First/Last Applic.						5	6	7	
Plant-Eval Interval						19 19	19 19	19 19	
Days After Emergence						20 DP-1	20 DP-1	20 DP-1	
ARM Action Codes						15 DE-1	15 DE-1	15 DE-1	
Number of Decimals									
Trt	Treatment	Form	Form	Rate	Growth	Appl			
No.	Name	Conc	Type	Rate	Unit	Code	5	6	
					Stage	Plot		7	
								8	
1	Untreated Check					101	0.0	0.0	0.0
						206	0.0	0.0	0.0
						312	0.0	0.0	0.0
						407	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0
2	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A 102	5.0	99.0	99.0
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C 209	0.0	99.0	99.0
	MSO	100	SL	1.0	% v/v	POSPOS C 307	0.0	99.0	99.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C 404	0.0	99.0	99.0
						Mean =	1.3	99.0	99.0
3	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A 103	0.0	99.0	99.0
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C 210	0.0	99.0	99.0
	Roundup PowerMax	4.5	SL	1.13	lb ai/a	POSPOS C 303	.	.	.
	MSO	100	SL	0.5	% v/v	POSPOS C 402	5.0	99.0	95.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C			99.0
						Mean =	1.7	99.0	97.7
4	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A 104	5.0	99.0	99.0
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C 211	0.0	99.0	99.0
	Liberty 280 SL	2.34	SL	0.402	lb ai/a	POSPOS C 308	5.0	99.0	99.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C 406	5.0	99.0	99.0
						Mean =	3.8	99.0	99.0
5	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A 105	0.0	99.0	99.0
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C 201	5.0	99.0	99.0
	Status	56	WG	0.175	lb ai/a	POSPOS C 310	0.0	99.0	99.0
	MSO	100	SL	1.0	% v/v	POSPOS C 409	0.0	99.0	95.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C			99.0
						Mean =	1.3	99.0	98.0
6	Harness	7	EC	1.53	lb ai/a	EAPOWE B 106	0.0	0.0	0.0
	ImpactZ	4.26	SC	0.266	lb ai/a	EAPOWE B 202	0.0	0.0	0.0
	Roundup PowerMax	4.5	SL	1.13	lb ai/a	EAPOWE B 311	0.0	0.0	0.0
	NIS	100	SL	0.25	% v/v	EAPOWE B 412	0.0	0.0	0.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	EAPOWE B			0.0
						Mean =	0.0	0.0	0.0
7	Armezon PRO	5.35	EC	0.84	lb ai/a	EAPOWE B 107	0.0	0.0	0.0
	Roundup PowerMax	4.5	SL	1.13	lb ai/a	EAPOWE B 212	0.0	0.0	0.0
	Atrazine	4	F	0.25	lb ai/a	EAPOWE B 302	0.0	0.0	0.0
	NIS	100	SL	0.25	% v/v	EAPOWE B 410	0.0	0.0	0.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	EAPOWE B			0.0
						Mean =	0.0	0.0	0.0
8	Halex GT	4.39	CS	1.98	lb ai/a	EAPOWE B 108	0.0	0.0	0.0
	Atrazine	4	F	0.25	lb ai/a	EAPOWE B 207	0.0	0.0	0.0
	NIS	100	SL	0.25	% v/v	EAPOWE B 304	0.0	0.0	0.0
	N-Pak AMS Liquid	100	L	2.5	% v/v	EAPOWE B 405	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0

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Pest Type Pest Code Pest Scientific Name Pest Name Crop Code BBCH Scale Crop Scientific Name Crop Name Description Part Rated Rating Date Rating Type Rating Unit Sample Size, Unit Number of Subsamples SE Group No. Days After First/Last Applic. Plant-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	ZEAMA BCOR Zea mays amyla> Flour corn CHLORO LEAF - Apr-17-17 PERCENT 1 5 19 19 20 DP-1 15 DE-1	W Weed AMAPA Amaranthus pal> Carelessweed CONTROL Apr-17-17 PERCENT 1 6 19 19 20 DP-1 15 DE-1	A. GRASS CONTROL Apr-17-17 PERCENT 7 7 19 19 20 DP-1 15 DE-1	W Weed RAPRA Raphanus rapha> Wild radish CONTROL Apr-17-17 PERCENT 8 8 19 19 20 DP-1 15 DE-1																																																																																																																																																																																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Trit</th> <th style="width: 15%;">Treatment</th> <th style="width: 10%;">Form</th> <th style="width: 10%;">Form</th> <th style="width: 10%;">Rate</th> <th style="width: 10%;">Growth</th> <th style="width: 10%;">Appl</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> <tr> <th>No.</th> <th>Name</th> <th>Conc</th> <th>Type</th> <th>Rate</th> <th>Unit</th> <th>Stage</th> <th>Code</th> <th>Plot</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="5">9</td> <td>ROUNDUP P-MAX</td> <td>5.5</td> <td>SL</td> <td>32.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>109</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>ATRAZINE</td> <td>4</td> <td>L</td> <td>64.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>205</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>306</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>401</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td rowspan="5">10</td> <td>LIBERTY 280</td> <td>2.34</td> <td>SL</td> <td>29</td> <td>oz/a</td> <td>EAPOWE B</td> <td>110</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>ATRAZINE</td> <td>4</td> <td>L</td> <td>64.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>204</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32</td> <td>oz/a</td> <td>EAPOWE B</td> <td>305</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>403</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td rowspan="5">11</td> <td>ACURON</td> <td>3.44</td> <td>EC</td> <td>80.0</td> <td>oz/a</td> <td>PREMCR A</td> <td>111</td> <td>0.0</td> <td>99.0</td> </tr> <tr> <td>ROUNDUP P-MAX</td> <td>5.5</td> <td>SL</td> <td>32.0</td> <td>oz/a</td> <td>POSPOS C</td> <td>208</td> <td>0.0</td> <td>99.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>309</td> <td>0.0</td> <td>99.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>411</td> <td>0.0</td> <td>99.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> <td>99.0</td> </tr> <tr> <td rowspan="5">12</td> <td>NTC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>112</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>203</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>301</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>408</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> <td>0.0</td> </tr> </tbody> </table>	Trit	Treatment	Form	Form	Rate	Growth	Appl				No.	Name	Conc	Type	Rate	Unit	Stage	Code	Plot		9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	EAPOWE B	109	0.0	0.0	ATRAZINE	4	L	64.0	oz/a	EAPOWE B	205	0.0	0.0	PROWL H20	3.8	SC	32.0	oz/a	EAPOWE B	306	0.0	0.0							401	0.0	0.0							Mean =	0.0	0.0	10	LIBERTY 280	2.34	SL	29	oz/a	EAPOWE B	110	0.0	0.0	ATRAZINE	4	L	64.0	oz/a	EAPOWE B	204	0.0	0.0	PROWL H20	3.8	SC	32	oz/a	EAPOWE B	305	0.0	0.0							403	0.0	0.0							Mean =	0.0	0.0	11	ACURON	3.44	EC	80.0	oz/a	PREMCR A	111	0.0	99.0	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POSPOS C	208	0.0	99.0							309	0.0	99.0							411	0.0	99.0							Mean =	0.0	99.0	12	NTC						112	0.0	0.0							203	0.0	0.0							301	0.0	0.0							408	0.0	0.0							Mean =	0.0	0.0	5	6	7	8
Trit	Treatment	Form	Form	Rate	Growth	Appl																																																																																																																																																																																																										
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12	NTC						112	0.0	0.0																																																																																																																																																																																																							
							203	0.0	0.0																																																																																																																																																																																																							
							301	0.0	0.0																																																																																																																																																																																																							
							408	0.0	0.0																																																																																																																																																																																																							
							Mean =	0.0	0.0																																																																																																																																																																																																							

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Pest Type								W Weed	
Pest Code								AMAPA	A. GRASS
Pest Scientific Name								Amaranthus pal>	
Pest Name								Carelessweed	
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Description									
Part Rated									
Rating Date									
Rating Type									
Rating Unit									
Sample Size, Unit									
Number of Subsamples									
SE Group No.									
Days After First/Last Applic.									
Plant-Eval Interval									
Days After Emergence									
ARM Action Codes									
Number of Decimals									
Trt Treatment	Form Form	Rate	Growth	Appl					
No. Name	Conc Type	Rate Unit	Stage	Code Plot	9	10	11	12	
1 Untreated Check				101	0.0	0.0	0.0	0.0	
				206	0.0	0.0	0.0	0.0	
				312	0.0	0.0	0.0	0.0	
				407	0.0	0.0	0.0	0.0	
				Mean =	0.0	0.0	0.0	0.0	
2 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	102	0.0	0.0	100.0	95.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	209	0.0	0.0	100.0	100.0	
MSO	100 SL	1.0 % v/v	POSPOS C	307	10.0	0.0	100.0	95.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C	404	0.0	0.0	100.0	95.0	
				Mean =	2.5	0.0	100.0	96.3	
3 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	103	0.0	0.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	210	0.0	0.0	100.0	95.0	
Roundup PowerMax	4.5 SL	1.13 lb ai/a	POSPOS C	303	10.0	0.0	100.0	95.0	
MSO	100 SL	0.5 % v/v	POSPOS C	402	5.0	0.0	100.0	90.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C						
				Mean =	3.8	0.0	100.0	95.0	
4 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	104	5.0	0.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	211	0.0	0.0	100.0	100.0	
Liberty 280 SL	2.34 SL	0.402 lb ai/a	POSPOS C	308	0.0	0.0	100.0	95.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C	406	10.0	0.0	100.0	90.0	
				Mean =	3.8	0.0	100.0	96.3	
5 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	105	0.0	0.0	100.0	95.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	201	5.0	0.0	100.0	95.0	
Status	56 WG	0.175 lb ai/a	POSPOS C	310	0.0	0.0	100.0	100.0	
MSO	100 SL	1.0 % v/v	POSPOS C	409	0.0	0.0	100.0	90.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C						
				Mean =	1.3	0.0	100.0	95.0	
6 Harness	7 EC	1.53 lb ai/a	EAPOWE B	106	15.0	20.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	EAPOWE B	202	5.0	15.0	100.0	100.0	
Roundup PowerMax	4.5 SL	1.13 lb ai/a	EAPOWE B	311	0.0	20.0	100.0	100.0	
NIS	100 SL	0.25 % v/v	EAPOWE B	412	5.0	20.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B						
				Mean =	6.3	18.8	100.0	100.0	
7 Armezon PRO	5.35 EC	0.84 lb ai/a	EAPOWE B	107	10.0	10.0	100.0	100.0	
Roundup PowerMax	4.5 SL	1.13 lb ai/a	EAPOWE B	212	10.0	10.0	100.0	100.0	
Atrazine	4 F	0.25 lb ai/a	EAPOWE B	302	10.0	10.0	100.0	100.0	
NIS	100 SL	0.25 % v/v	EAPOWE B	410	0.0	5.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B						
				Mean =	7.5	8.8	100.0	100.0	
8 Halex GT	4.39 CS	1.98 lb ai/a	EAPOWE B	108	0.0	0.0	100.0	100.0	
Atrazine	4 F	0.25 lb ai/a	EAPOWE B	207	0.0	0.0	100.0	95.0	
NIS	100 SL	0.25 % v/v	EAPOWE B	304	0.0	0.0	100.0	95.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B	405	0.0	0.0	100.0	95.0	
				Mean =	0.0	0.0	100.0	96.3	

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Pest Type			W Weed	
Pest Code			AMAPA	A. GRASS
Pest Scientific Name			Amaranthus pal-	
Pest Name			Carelessweed	
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Description				
Part Rated				
Rating Date				
Rating Type				
Rating Unit				
Sample Size, Unit				
Number of Subsamples				
SE Group No.				
Days After First/Last Applic.				
Plant-Eval Interval				
Days After Emergence				
ARM Action Codes				
Number of Decimals				
	ZEAMA BCOR Zea mays amyla> Flour corn STUNT Apr-24-17 PERCENT	ZEAMA BCOR Zea mays amyla> Flour corn CHLORO LEAF - Apr-24-17 PERCENT	CONTROL Apr-24-17 PERCENT	CONTROL Apr-24-17 PERCENT
	1 9 26 7 27 DP-1 22 DE-1	1 10 26 7 27 DP-1 22 DE-1	1 11 26 7 27 DP-1 22 DE-1	1 12 26 7 27 DP-1 22 DE-1
Trt Treatment	Form Form	Rate	Growth	Appl
No. Name	Conc Type	Rate Unit	Stage	Code Plot
				9
9 ROUNDUP P-MAX	5.5 SL	32.0 oz/a	EAPOWE B	109
ATRAZINE	4 L	64.0 oz/a	EAPOWE B	205
PROWL H20	3.8 SC	32.0 oz/a	EAPOWE B	306
				401
				Mean =
				0.0 0.0 10.0 0.0 2.5
				0.0 0.0 0.0 0.0 0.0
				100.0 100.0 100.0 100.0 100.0
				100.0 95.0 100.0 95.0 97.5
10 LIBERTY 280	2.34 SL	29 oz/a	EAPOWE B	110
ATRAZINE	4 L	64.0 oz/a	EAPOWE B	204
PROWL H20	3.8 SC	32 oz/a	EAPOWE B	305
				403
				Mean =
				0.0 0.0 0.0 0.0 0.0
				0.0 0.0 0.0 0.0 0.0
				100.0 100.0 100.0 100.0 100.0
				100.0 100.0 100.0 95.0 98.8
11 ACURON	3.44 EC	80.0 oz/a	PREMCR A	111
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POSPOS C	208
				309
				411
				Mean =
				0.0 0.0 0.0 5.0 1.3
				0.0 0.0 0.0 0.0 0.0
				100.0 100.0 100.0 100.0 100.0
				100.0 95.0 95.0 90.0 95.0
12 NTC				112
				203
				301
				408
				Mean =
				0.0 0.0 0.0 0.0 0.0
				0.0 0.0 0.0 0.0 0.0
				100.0 100.0 100.0 100.0 100.0
				0.0 0.0 0.0 0.0 0.0

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Pest Type									
Pest Code									
Pest Scientific Name									
Pest Name									
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Description									
Part Rated									
Rating Date									
Rating Type									
Rating Unit									
Sample Size, Unit									
Number of Subsamples									
SE Group No.									
Days After First/Last Applic.									
Plant-Eval Interval									
Days After Emergence									
ARM Action Codes									
Number of Decimals									
Trt Treatment	Form Form	Rate	Growth	Appl					
No. Name	Conc Type	Rate Unit	Stage	Code Plot	13	14	15	16	
1 Untreated Check				101	0.0	0.0	0.0	0.0	
				206	0.0	0.0	0.0	0.0	
				312	0.0	0.0	0.0	0.0	
				407	0.0	0.0	0.0	0.0	
				Mean =	0.0	0.0	0.0	0.0	
2 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	102	0.0	100.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	209	0.0	100.0	100.0	100.0	
MSO	100 SL	1.0 % v/v	POSPOS C	307	10.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C	404	0.0	100.0	100.0	100.0	
				Mean =	2.5	100.0	100.0	100.0	
3 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	103	0.0	100.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	210	0.0	100.0	100.0	100.0	
Roundup PowerMax	4.5 SL	1.13 lb ai/a	POSPOS C	303	0.0	100.0	100.0	100.0	
MSO	100 SL	0.5 % v/v	POSPOS C	402	5.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C						
				Mean =	1.3	100.0	100.0	100.0	
4 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	104	0.0	100.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	211	0.0	100.0	100.0	100.0	
Liberty 280 SL	2.34 SL	0.402 lb ai/a	POSPOS C	308	10.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C	406	10.0	100.0	100.0	100.0	
				Mean =	5.0	100.0	100.0	100.0	
5 Harness Xtra 5.6	5.6 SC	2.52 lb ai/a	PREMCR A	105	0.0	100.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	POSPOS C	201	15.0	100.0	100.0	100.0	
Status	56 WG	0.175 lb ai/a	POSPOS C	310	10.0	100.0	100.0	100.0	
MSO	100 SL	1.0 % v/v	POSPOS C	409	0.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	POSPOS C						
				Mean =	6.3	100.0	100.0	100.0	
6 Harness	7 EC	1.53 lb ai/a	EAPOWE B	106	10.0	100.0	100.0	100.0	
ImpactZ	4.26 SC	0.266 lb ai/a	EAPOWE B	202	10.0	100.0	100.0	100.0	
Roundup PowerMax	4.5 SL	1.13 lb ai/a	EAPOWE B	311	0.0	100.0	100.0	100.0	
NIS	100 SL	0.25 % v/v	EAPOWE B	412	10.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B						
				Mean =	7.5	100.0	100.0	100.0	
7 Armezon PRO	5.35 EC	0.84 lb ai/a	EAPOWE B	107	0.0	100.0	100.0	100.0	
Roundup PowerMax	4.5 SL	1.13 lb ai/a	EAPOWE B	212	10.0	100.0	100.0	100.0	
Atrazine	4 F	0.25 lb ai/a	EAPOWE B	302	0.0	100.0	100.0	100.0	
NIS	100 SL	0.25 % v/v	EAPOWE B	410	0.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B						
				Mean =	2.5	100.0	100.0	100.0	
8 Halex GT	4.39 CS	1.98 lb ai/a	EAPOWE B	108	0.0	100.0	100.0	100.0	
Atrazine	4 F	0.25 lb ai/a	EAPOWE B	207	0.0	100.0	100.0	100.0	
NIS	100 SL	0.25 % v/v	EAPOWE B	304	0.0	100.0	100.0	100.0	
N-Pak AMS Liquid	100 L	2.5 % v/v	EAPOWE B	405	0.0	100.0	100.0	100.0	
				Mean =	0.0	100.0	100.0	100.0	

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Pest Type Pest Code Pest Scientific Name Pest Name Crop Code BBCH Scale Crop Scientific Name Crop Name Description Part Rated Rating Date Rating Type Rating Unit Sample Size, Unit Number of Subsamples SE Group No. Days After First/Last Applic. Plant-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	ZEAMA BCOR Zea mays amyla> Flour corn STUNT May-5-17 PERCENT 1 13 37 10 38 DP-1 33 DE-1	W Weed AMAPA Amaranthus pal> Carelessweed CONTROL May-5-17 PERCENT 1 14 37 10 38 DP-1 33 DE-1	A. GRASS CONTROL May-5-17 PERCENT 1 15 37 10 38 DP-1 33 DE-1	W Weed RAPRA Raphanus rapha> Wild radish CONTROL May-5-17 PERCENT 1 16 37 10 38 DP-1 33 DE-1																																																																																																																																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Trt No.</th> <th style="width: 15%;">Treatment Name</th> <th style="width: 10%;">Form Conc</th> <th style="width: 10%;">Form Type</th> <th style="width: 10%;">Rate</th> <th style="width: 10%;">Unit</th> <th style="width: 10%;">Growth Stage</th> <th style="width: 10%;">Appl Code</th> <th style="width: 10%;">Plot</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>ROUNDUP P-MAX</td> <td>5.5</td> <td>SL</td> <td>32.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>109</td> <td>0.0</td> </tr> <tr> <td></td> <td>ATRAZINE</td> <td>4</td> <td>L</td> <td>64.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>205</td> <td>0.0</td> </tr> <tr> <td></td> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>306</td> <td>10.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>401</td> <td>5.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>3.8</td> </tr> <tr> <td>10</td> <td>LIBERTY 280</td> <td>2.34</td> <td>SL</td> <td>29</td> <td>oz/a</td> <td>EAPOWE B</td> <td>110</td> <td>0.0</td> </tr> <tr> <td></td> <td>ATRAZINE</td> <td>4</td> <td>L</td> <td>64.0</td> <td>oz/a</td> <td>EAPOWE B</td> <td>204</td> <td>0.0</td> </tr> <tr> <td></td> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32</td> <td>oz/a</td> <td>EAPOWE B</td> <td>305</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>403</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> </tr> <tr> <td>11</td> <td>ACURON</td> <td>3.44</td> <td>EC</td> <td>80.0</td> <td>oz/a</td> <td>PREMCR A</td> <td>111</td> <td>0.0</td> </tr> <tr> <td></td> <td>ROUNDUP P-MAX</td> <td>5.5</td> <td>SL</td> <td>32.0</td> <td>oz/a</td> <td>POSPOS C</td> <td>208</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>309</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>411</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> </tr> <tr> <td>12</td> <td>NTC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>112</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>203</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>301</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>408</td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Mean =</td> <td>0.0</td> </tr> </tbody> </table>	Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Growth Stage	Appl Code	Plot	9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	EAPOWE B	109	0.0		ATRAZINE	4	L	64.0	oz/a	EAPOWE B	205	0.0		PROWL H20	3.8	SC	32.0	oz/a	EAPOWE B	306	10.0								401	5.0								Mean =	3.8	10	LIBERTY 280	2.34	SL	29	oz/a	EAPOWE B	110	0.0		ATRAZINE	4	L	64.0	oz/a	EAPOWE B	204	0.0		PROWL H20	3.8	SC	32	oz/a	EAPOWE B	305	0.0								403	0.0								Mean =	0.0	11	ACURON	3.44	EC	80.0	oz/a	PREMCR A	111	0.0		ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POSPOS C	208	0.0								309	0.0								411	0.0								Mean =	0.0	12	NTC						112	0.0								203	0.0								301	0.0								408	0.0								Mean =	0.0	13 14 15 16
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Growth Stage	Appl Code	Plot																																																																																																																																																																																						
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University of Georgia

Pest Type						W Weed	A. GRASS				
Pest Code						AMAPA					
Pest Scientific Name						Amaranthus pal					
Pest Name						Carelessweed					
Crop Code								ZEAMA	ZEAMA		
BBCH Scale								BCOR	BCOR		
Crop Scientific Name								Zea mays amyla>	Zea mays amyla>		
Crop Name								Flour corn	Flour corn		
Description						CONTROL	CONTROL	YIELD	YIELD		
Part Rated											
Rating Date						May-18-17	May-18-17	Aug-22-17	Aug-22-17		
Rating Type						PERCENT	PERCENT		YIELD		
Rating Unit								LBS/PLOT	BU/A		
Sample Size, Unit								1 PLOT	1 A		
Number of Subsamples						1	1	1	1		
SE Group No.						17	18	19	20		
Days After First/Last Applic.						50 23	50 23	146 119	146 119		
Plant-Eval Interval						51 DP-1	51 DP-1	147 DP-1	147 DP-1		
Days After Emergence						46 DE-1	46 DE-1	142 DE-1	142 DE-1		
ARM Action Codes									TY1		
Number of Decimals									0		
Trt	Treatment	Form	Form	Rate	Growth	Appl					
No.	Name	Conc	Type	Rate	Unit	Stage	Code	Plot			
								17	18		
								19	20		
1	Untreated Check						101	0.0	0.0	37.0	187
							206	0.0	0.0	44.0	222
							312	0.0	0.0	41.0	207
							407	0.0	0.0	41.0	207
							Mean =	0.0	0.0	40.8	206
2	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A	102	100.0	100.0	42.0	212
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C	209	100.0	100.0	45.0	227
	MSO	100	SL	1.0	% v/v	POSPOS C	307	100.0	95.0	44.0	222
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C	404	100.0	100.0	48.0	242
							Mean =	100.0	98.8	44.8	226
3	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A	103	100.0	100.0	44.0	222
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C	210	100.0	100.0	45.0	227
	Roundup PowerMax	4.5	SL	1.13	lb ai/a	POSPOS C	303	100.0	90.0	44.0	222
	MSO	100	SL	0.5	% v/v	POSPOS C	402	100.0	100.0	48.0	242
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C					
							Mean =	100.0	97.5	45.3	228
4	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A	104	100.0	100.0	45.0	227
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C	211	100.0	100.0	42.0	212
	Liberty 280 SL	2.34	SL	0.402	lb ai/a	POSPOS C	308	100.0	100.0	46.0	232
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C	406	100.0	100.0	51.0	257
							Mean =	100.0	100.0	46.0	232
5	Harness Xtra 5.6	5.6	SC	2.52	lb ai/a	PREMCR A	105	100.0	100.0	43.0	217
	ImpactZ	4.26	SC	0.266	lb ai/a	POSPOS C	201	100.0	100.0	41.0	207
	Status	56	WG	0.175	lb ai/a	POSPOS C	310	100.0	100.0	43.0	217
	MSO	100	SL	1.0	% v/v	POSPOS C	409	100.0	100.0	46.0	232
	N-Pak AMS Liquid	100	L	2.5	% v/v	POSPOS C					
							Mean =	100.0	100.0	43.3	218
6	Harness	7	EC	1.53	lb ai/a	EAPOWE B	106	100.0	100.0	49.0	247
	ImpactZ	4.26	SC	0.266	lb ai/a	EAPOWE B	202	100.0	100.0	45.0	227
	Roundup PowerMax	4.5	SL	1.13	lb ai/a	EAPOWE B	311	100.0	100.0	44.0	222
	NIS	100	SL	0.25	% v/v	EAPOWE B	412	100.0	100.0	49.0	247
	N-Pak AMS Liquid	100	L	2.5	% v/v	EAPOWE B					
							Mean =	100.0	100.0	46.8	236
7	Armezon PRO	5.35	EC	0.84	lb ai/a	EAPOWE B	107	100.0	100.0	47.0	237
	Roundup PowerMax	4.5	SL	1.13	lb ai/a	EAPOWE B	212	100.0	100.0	44.0	222
	Atrazine	4	F	0.25	lb ai/a	EAPOWE B	302	100.0	100.0	42.0	212
	NIS	100	SL	0.25	% v/v	EAPOWE B	410	100.0	100.0	48.0	242
	N-Pak AMS Liquid	100	L	2.5	% v/v	EAPOWE B					
							Mean =	100.0	100.0	45.3	228
8	Halex GT	4.39	CS	1.98	lb ai/a	EAPOWE B	108	100.0	100.0	46.0	232
	Atrazine	4	F	0.25	lb ai/a	EAPOWE B	207	100.0	100.0	48.0	242
	NIS	100	SL	0.25	% v/v	EAPOWE B	304	100.0	100.0	45.0	227
	N-Pak AMS Liquid	100	L	2.5	% v/v	EAPOWE B	405	100.0	100.0	50.0	252
							Mean =	100.0	100.0	47.3	238

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	W Weed AMAPA Amaranthus pal> Carelessweed	A. GRASS		
Pest Type				
Pest Code				
Pest Scientific Name				
Pest Name				
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Description				
Part Rated				
Rating Date				
Rating Type				
Rating Unit				
Sample Size, Unit				
Number of Subsamples				
SE Group No.				
Days After First/Last Applic.				
Plant-Eval Interval				
Days After Emergence				
ARM Action Codes				
Number of Decimals				
	CONTROL	CONTROL	ZEAMA BCOR Zea mays amyla> Flour corn YIELD	ZEAMA BCOR Zea mays amyla> Flour corn YIELD
	May-18-17 PERCENT	May-18-17 PERCENT	Aug-22-17	Aug-22-17
			LBS/PLOT 1 PLOT	BU/A 1 A
	1	1	1	1
	17	18	19	20
	50 23	50 23	146 119	146 119
	51 DP-1	51 DP-1	147 DP-1	147 DP-1
	46 DE-1	46 DE-1	142 DE-1	142 DE-1
				TY1 0
Trt Treatment	Form Form	Rate	Growth	Appl
No. Name	Conc Type	Rate Unit	Stage	Code Plot
				17
				18
				19
				20
9 ROUNDUP P-MAX	5.5 SL	32.0 oz/a	EAPOWE B	109
ATRAZINE	4 L	64.0 oz/a	EAPOWE B	205
PROWL H20	3.8 SC	32.0 oz/a	EAPOWE B	306
				401
				Mean =
				100.0
				100.0
				46.0
				232
				45.0
				227
				47.0
				237
				47.0
				237
				46.3
				233
10 LIBERTY 280	2.34 SL	29 oz/a	EAPOWE B	110
ATRAZINE	4 L	64.0 oz/a	EAPOWE B	204
PROWL H20	3.8 SC	32 oz/a	EAPOWE B	305
				403
				Mean =
				100.0
				100.0
				45.0
				227
				46.0
				232
				46.0
				232
				47.0
				237
				46.0
				232
11 ACURON	3.44 EC	80.0 oz/a	PREMCR A	111
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POSPOS C	208
				309
				411
				Mean =
				100.0
				100.0
				50.0
				252
				47.0
				237
				100.0
				237
				100.0
				48.0
				242
				100.0
				242
				47.0
				237
				48.0
				242
12 NTC				112
				203
				301
				408
				Mean =
				0.0
				0.0
				0.0
				0.0
				0.0
				0.0
				40.0
				202
				41.0
				207
				36.0
				182
				43.0
				217
				40.0
				202

University of Georgia

IMPACT-Z FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-17
Protocol ID: 17C04H060
Project ID: 17C04H060-SOUTH

Location: UGA PONDER FARM Trial Year: 2017
Investigator: Ned French, Ph.D.
Study Director: Richard Porter
Sponsor Contact:

Pest Type

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

Pest Code

AMAPA, Amaranthus palmeri, Carelessweed = US
RAPRA, Raphanus raphanistrum, Wild radish = US

Crop Code

ZEAMA, BCOR, Zea mays amylacea, Flour corn = US

Part Rated

LEAF = foliage

Rating Type

YIELD = yield

PLOT = total plot

A = acre

Plant-Eval Interval

10 DP-1 = 1 ZEAMX Mar-28-17
20 DP-1 = 1 ZEAMX Mar-28-17
27 DP-1 = 1 ZEAMX Mar-28-17
38 DP-1 = 1 ZEAMX Mar-28-17
51 DP-1 = 1 ZEAMX Mar-28-17
147 DP-1 = 1 ZEAMX Mar-28-17

ARM Action Codes

TY1 = 5.044565*[19]