

University of Georgia

HARNES MAX WEED CONTROL SYSTEMS IN FIELD CORN	
PRE FB POST	
Trial ID: CN-08-18	Study Dir.: 2018-01-24-12 (BRAXTON + PERKINS)
Location: PONDER FARM	Investigator: Eric P. Prostko

Reps: 3		Plots: 6 by 25 feet		Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 L)							
Spray vol: 15 GAL/AC											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	NTC								101	209	314
2	NTC								102	212	306
3	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	12.5 mL/mx	103	202	307
	ROUNDUP POWERMAX	5.5	SL	32.0	oz/a	POST	B	25.0 mL/mx			
	ATRAZINE	4	L	64.0	oz/a	POST	B	49.99 mL/mx			
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B	25.0 mL/mx			
4	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	PRE	A	24.94 mL/mx	104	203	309
	HARNES MAX	3.85	SC	1.19	lb ai/a	POST	B	30.91 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
5	HARNES MAX	3.85	SC	1.93	lb ai/a	PRE	A	50.12 mL/mx	105	215	311
	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	POST	B	24.94 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
6	HARNES XTRA	5.6	L	2.45	lb ai/a	PRE	A	43.75 mL/mx	106	214	304
	HARNES MAX	3.85	SC	1.19	lb ai/a	POST	B	30.91 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
7	HARNES MAX	3.85	SC	1.93	lb ai/a	PRE	A	50.12 mL/mx	107	211	305
	HARNES XTRA	5.6	L	2.45	lb ai/a	POST	B	43.75 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
8	HARNES	7	EC	1.75	lb ai/a	PRE	A	25.0 mL/mx	108	205	312
	HARNES MAX	3.85	SC	1.19	lb ai/a	POST	B	30.91 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
9	HARNES MAX	3.85	SC	1.93	lb ai/a	PRE	A	50.12 mL/mx	109	216	310
	HARNES	7	EC	1.09	lb ai/a	POST	B	15.57 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
10	HARNES MAX	3.85	SC	1.91	lb ai/a	PRE	A	49.61 mL/mx	110	208	313
	DIFLEXX	4	SC	0.5	lb ae/a	POST	B	12.5 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
11	HARNES MAX	3.85	SC	2.24	lb ai/a	PRE	A	58.18 mL/mx	111	204	316
	ATRAZINE	4	L	1.0	lb ai/a	PRE	A	25.0 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
12	HARNES MAX	3.85	SC	1.64	lb ai/a	PRE	A	42.59 mL/mx	112	201	302
	ATRAZINE	4	L	1.0	lb ai/a	PRE	A	25.0 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
13	HARNES MAX	3.85	SC	1.65	lb ai/a	PRE	A	42.85 mL/mx	113	210	308
	HARNES MAX	3.85	SC	1.20	lb ai/a	POST	B	31.17 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			
14	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	PRE	A	24.94 mL/mx	114	207	301
	HARNES MAX	3.85	SC	1.20	lb ai/a	POST	B	31.17 mL/mx			
	HARNES XTRA	5.6	L	1.40	lb ai/a	POST	B	25.0 mL/mx			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	25.11 mL/mx			
15	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx	115	213	303
	ACURON	3.44	SC	1.08	lb ai/a	PRE	A	31.39 mL/mx			
	HALEX GT	4.39	SL	1.98	lb ai/a	POST	B	45.1 mL/mx			
	NIS			0.25	% v/v	POST	B	3.75 mL/mx			
	N-PAK AMS			2.5	% v/v	POST	B	37.5 mL/mx			

University of Georgia

Reps: 3
Spray vol: 15 GAL/AC

Plots: 6 by 25 feet
Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 L)

Trt No.	Treatment Name	Form Form		Rate	Grow Stg	Appl Code	Amt Product to Measure	Rep		
		Conc	Type					Rate	Unit	1
16	RESICORE	3.35	EC	1.5 lb ai/a	PRE	A	44.77 mL/mx	116	206	315
	STATUS	61.1	DG	0.375 lb ai/a	POST	B	7.354 g/mx			
	DURANGO DMA	4	SL	1.13 lb ae/a	POST	B	28.25 mL/mx			
	N-PAK AMS			2.5 % v/v	POST	B	37.5 mL/mx			

Sort Order: Treatment

Trial Comments

TRIPLE FLEX II = ACETOCHLOR (3.75 LBS) + FLUMETSULAM (0.12 LBS) + CLOPYRALID (0.38 LBS)
 HARNESS MAX = ACETOCHLOR (3.52 LBS) + MESOTRIONE (0.33 LBS)
 HARNESS XTRA 5.6L = ACETOCHLOR (3.1 LBS) + ATRAZINE (2.5 LBS)
 ACURON = ATRAZINE (1.0 LBS) + MESOTRIONE (0.24 LBS) + S-METOLACHLOR (2.14 LBS) + BYCYCLOPYRONE (0.06 LBS)
 HALEX GT = GLYPHOSATE (2.09 LBS) + S-METOLACHLOR (2.09 LBS) + MESOTRIONE (0.209 LBS)
 RESICORE = ACETOCHLOR (2.8 LBS) + MESOTRIONE (0.30 LBS) + CLOPYRALID (0.19 LBS)
 STATUS = DICAMBA-NA (44%) + DIFLUFENZOPYR (17.1%) + ISOXADIFEN
 DIFLEXX = DICAMBA-DGA + CYPROSULFAMIDE

NIS = INDUCE

HARVEST MOISTURE: 15.4%.
 YIELDS ADJUSTED TO 15.5%

AGRASS = NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TEXAS PANICUM, CRABGRASS, GOOSEGRASS, AND CROWFOOTGRASS.

SUMMARY:

1) PRE APPLICATIONS OF TRIPLE FLEXX II AND HIGHER RATES OF HARNESS MAX CAUSED SIGNIFICANT CORN STUNTING.

2) GENERALLY, PALMER AMARANTH AND ANNUAL GRASS CONTROL EXCEEDED 90% WITH ALL TREATMENTS EXCEPT FOR THE FOLLOWING:

HARNESS MAX @ 1.64 LB AI/A + ATRAZINE - PRE FB ROUNDUP P-MAX - POST = 85% CONTROL OF ANNUAL GRASSES ON JUNE 18 (82 DAP)

3) NO SIGNIFICANT YIELD EFFECTS WERE OBSERVED (P=0.2153, CV = 11.08). HOWEVER, SEVERAL TREATMENTS RESULTED IN YIELDS LOWER THAN THE AVERAGE OF 2 NTC PLOTS (204 BU/A) INCLUDING THE FOLLOWING:

TRIPLE FLEXX II - PRE FB HARNESS MAX + ROUNDUP P-MAX- POST = 190 BU/A
 HARNESS MAX (1.93 LB AI/A) - PRE FB TRIPLE FLEXX II + ROUNDUP P-MAX - POST = 194 BU/A
 HARNESS MAX (1.93 LB AI/A) - PRE FB HARNESS + ROUNDUP P-MAX - POST = 187 BU/A
 HARNESS MAX (1.91 LB AI/A) - PRE FB DIFLEXX + ROUNDUP P-MAX - POST = 182 BU/A
 HARNESS MAX - (1.64 LB A/A) - PRE FB ATRAZINE + ROUNDUP P-MAX - POST = 201 BU/A
 TRIPLE FLEXX II - PRE FB HARNESS MAX + HARNESS XTRA + ROUNDUP P-MAX - POST = 171 BU/A
 RESICORE - PRE FB STATUS + DURANGO DMA - POST = 177 BU/A

University of Georgia

HARNES MAX WEED CONTROL SYSTEMS IN FIELD CORN
PRE FB POST

Trial ID: CN-08-18 Study Dir.: 2018-01-24-12 (BRAXTON + PERKINS)
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: 2018-01-24-12 (BRAXTON + PERKI) **Title:** _____
Affiliation: _____ **Postal Code:** _____

Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____ **Postal Code:** _____

Trial Status: _____ **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: _____

Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH **2.** AGRASS TPAN/CROW/CRAB/GOOSE

Crop 1: ZEAMA FIELD CORN **Variety:** DEKALB DKC62-08 **Planting Date:** Mar-28-18
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 1.75 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3

Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL
Trial Initiation Comments: _____

Previous: Crops	Pesticides	Year
1. PEANUT	2017	_____

MAINTENANCE

Field Prep./Maintenance: _____

	Form	Form	Form	Rate					
No.	Date	Treatment Name	Conc	Unit	Type	Rate	Unit		
1.	_____	_____	_____	_____	_____	_____	_____		

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.62 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2
pH: 6.3 **CEC:** 2.9 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-29-18	_____	0.4	IN SPRINKLER - LATERAL MOVE	_____	_____
2.	Mar-30-18	_____	1.03	IN RAINFALL	_____	_____
3.	Apr-4-18	_____	0.03	IN RAINFALL	_____	_____
4.	Apr-5-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____
5.	Apr-7-18	_____	0.36	IN RAINFALL	_____	_____
6.	Apr-12-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____
7.	Apr-15-18	_____	1.0	IN RAINFALL	_____	_____
8.	Apr-22-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____
9.	Apr-23-18	_____	1.18	IN RAINFALL	_____	_____
10.	Apr-27-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____
11.	May-4-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____
12.	May-7-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____
13.	May-9-18	_____	0.5	IN SPRINKLER - LATERAL MOVE	_____	_____

Overall Moisture Conditions: _____

Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

University of Georgia

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Mar-29-18	Apr-30-18					
Time of Day:	8:00 AM	7:23 AM					
Application Method:	BROADCAST	BROADCAST					
Application Timing:	PRE	POST					
Applic. Placement:	SOIL	FOLIAGE					
Air Temp., Unit:	56 F	55 F					
% Relative Humidity:	93	67					
Wind Velocity, Unit:	1 MPH	1 MPH					
Dew Presence (Y/N):	Y	N					
Water Hardness:	--	--					
Soil Temp., Unit:	59 F	67 F					
Soil Moisture:	OPTIMUM	OPTIMUM					
% Cloud Cover:	10	0					

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA						
Stage Scale:		V6					
Height, Unit:		11 IN					

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA		1 INCH				
Stage Scale:							
Density, Unit:							
Weed 2	Stage: AGRASS		1-2 IN				
Stage Scale:							
Density, Unit:							

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	27	40					
Nozzle Type:	AIXR	AIXR					
Nozzle Size:	11002	11002					
Nozzle Spacing, Unit:	15	IN	20	IN			
Nozzles/Row:	2						
Band Width, Unit:							
Boom Length, Unit:	60	IN	60	IN			
Boom Height, Unit:	18	IN	20	IN			
Ground Speed, Unit:	3.5	MPH					
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:	WATER	WATER					
Spray Volume, Unit:	15	GPA	15	GPA			
Spray pH:							
Propellant:	CO2	CO2					
Tank Mix (Y/N):							

Trt No	Treatment Application Comment

University of Georgia

HARNES MAX WEED CONTROL SYSTEMS IN FIELD CORN
PRE FB POST

Trial ID: CN-08-18 Study Dir.: 2018-01-24-12 (BRAXTON + PERKINS)
Location: PONDER FARM Investigator: Eric P. Prostko

						----- ZEAMA CROP - STUNTING PERCENT Apr-11-18	AGRASS ----- CONTROL PERCENT Apr-11-18	AMAPA ----- CONTROL PERCENT Apr-11-18	----- ZEAMA CROP - STUNTING PERCENT Apr-25-18	AMAPA ----- CONTROL PERCENT Apr-25-18	AGRASS ----- CONTROL PERCENT Apr-25-18	
Tri	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Unit	Stg	Code	1	2	3	4	5	6
1	NTC						0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
2	NTC						0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
3	DUAL II MAGNUM ROUNDUP POWERMAX ATRAZINE PROWL H2O	7.64 5.5 4 3.8	EC SL L SC	16.0 oz/a 32.0 oz/a 64.0 oz/a 32.0 oz/a	PRE POST POST POST	A B B B	10.0 a	97.7 a	99.0 a	8.3 ab	99.0 a	96.0 a
4	TRIPLE FLEXX II HARNES MAX ROUNDUP POWERMAX N-PAK AMS	4.25 3.85 4.5	EC SC SL	1.06 lb ai/a 1.19 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	26.7 a	99.0 a	96.0 a
5	HARNES MAX TRIPLE FLEXX II ROUNDUP POWERMAX N-PAK AMS	3.85 4.25 4.5	SC EC SL	1.93 lb ai/a 1.06 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	10.0 ab	99.0 a	99.0 a
6	HARNES XTRA HARNES MAX ROUNDUP POWERMAX N-PAK AMS	5.6 3.85 4.5	L SC SL	2.45 lb ai/a 1.19 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	11.7 ab	99.0 a	99.0 a
7	HARNES MAX HARNES XTRA ROUNDUP POWERMAX N-PAK AMS	3.85 5.6 4.5	SC L SL	1.93 lb ai/a 2.45 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	13.3 ab	99.0 a	97.7 a
8	HARNES HARNES MAX ROUNDUP POWERMAX N-PAK AMS	7 3.85 4.5	EC SC SL	1.75 lb ai/a 1.19 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	6.7 ab	99.0 a	99.0 a
9	HARNES MAX HARNES ROUNDUP POWERMAX N-PAK AMS	3.85 7 4.5	SC EC SL	1.93 lb ai/a 1.09 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	18.3 ab	99.0 a	99.0 a
10	HARNES MAX DIFLEXX ROUNDUP POWERMAX N-PAK AMS	3.85 4 4.5	SC SC SL	1.91 lb ai/a 0.5 lb ae/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	13.3 ab	99.0 a	99.0 a
11	HARNES MAX ATRAZINE ROUNDUP POWERMAX N-PAK AMS	3.85 4 4.5	SC L SL	2.24 lb ai/a 1.0 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE PRE POST POST	A A B B	10.0 a	99.0 a	99.0 a	18.3 ab	99.0 a	97.7 a
12	HARNES MAX ATRAZINE ROUNDUP POWERMAX N-PAK AMS	3.85 4 4.5	SC L SL	1.64 lb ai/a 1.0 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE PRE POST POST	A A B B	10.0 a	99.0 a	99.0 a	11.7 ab	99.0 a	96.0 a
13	HARNES MAX HARNES MAX ROUNDUP POWERMAX N-PAK AMS	3.85 3.85 4.5	SC SC SL	1.65 lb ai/a 1.20 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	13.3 ab	99.0 a	99.0 a
14	TRIPLE FLEXX II HARNES MAX HARNES XTRA ROUNDUP POWERMAX N-PAK AMS	4.25 3.85 5.6 4.5	EC SC L SL	1.06 lb ai/a 1.20 lb ai/a 1.40 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST POST	A B B B B	10.0 a	99.0 a	99.0 a	28.3 a	99.0 a	97.7 a
15	ACURON HALEX GT NIS N-PAK AMS	3.44 4.39	SC SL	1.08 lb ai/a 1.98 lb ai/a 0.25 % v/v 2.5 % v/v	PRE POST POST POST	A B B B	10.0 a	99.0 a	99.0 a	8.3 ab	99.0 a	97.7 a

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5,8,9 because error mean square = 0.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						----- ZEAMA CROP - STUNTING PERCENT Apr-11-18	AGRASS ----- CONTROL PERCENT Apr-11-18	AMAPA ----- CONTROL PERCENT Apr-11-18	----- ZEAMA CROP - STUNTING PERCENT Apr-25-18	AMAPA ----- CONTROL PERCENT Apr-25-18	AGRASS ----- CONTROL PERCENT Apr-25-18	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	1	2	3	4	5	6
16	RESICORE STATUS DURANGO DMA N-PAK AMS	3.35 61.1 4	EC DG SL	1.5 0.375 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	PRE A POST B POST B	10.0 a	99.0 a	99.0 a	5.0 ab	99.0 a	99.0 a
Tukey's HSD P=.10							.	1.61	.	25.93	.	6.18
Standard Deviation							0.00	0.58	0.00	9.30	0.00	2.21
CV							0.0	0.67	0.0	76.94	0.0	2.58
Grand Mean							8.75	86.54	86.63	12.08	86.63	85.73
Levene's F							0.00		0.00	0.536	0.00	0.665
Levene's Prob(F)							0.00*		0.00*	0.90	0.00*	0.798
Replicate F							0.000	1.000	0.000	0.910	0.000	5.867
Replicate Prob(F)							1.0000	0.3798	1.0000	0.4133	1.0000	0.0071
Treatment F							0.000	10272.251	0.000	2.231	0.000	685.877
Treatment Prob(F)							1.0000	0.0001	1.0000	0.0300	1.0000	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
 Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5,8,9 because error mean square = 0.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						----- ZEAMA CROP - STUNTING PERCENT May-15-18	AMAPA ----- CONTROL PERCENT May-15-18	AGRASS ----- CONTROL PERCENT May-15-18	AMAPA ----- CONTROL PERCENT Jun-18-18	AGRASS ----- CONTROL PERCENT Jun-18-18	----- ZEAMA PLOT - YIELD LBS/PLOT Sep-6-18	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	NTC						0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	38.3 a
2	NTC						0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	40.0 a
3	DUAL II MAGNUM ROUNDUP POWERMAX ATRAZINE PROWL H2O	7.64 5.5 4 3.8	EC SL L SC	16.0 oz/a 32.0 oz/a 64.0 oz/a 32.0 oz/a	PRE POST POST POST	A B B B	0.0 b	99.0 a	99.0 a	99.0 a	95.0 a	43.3 a
4	TRIPLE FLEXX II HARNESS MAX ROUNDUP POWERMAX N-PAK AMS	4.25 3.85 4.5	EC SC SL	1.06 lb ai/a 1.19 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	16.7 ab	99.0 a	99.0 a	97.7 a	93.3 a	36.7 a
5	HARNESS MAX TRIPLE FLEXX II ROUNDUP POWERMAX N-PAK AMS	3.85 4.25 4.5	SC EC SL	1.93 lb ai/a 1.06 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	6.7 ab	99.0 a	99.0 a	99.0 a	95.0 a	37.3 a
6	HARNESS XTRA HARNESS MAX ROUNDUP POWERMAX N-PAK AMS	5.6 3.85 4.5	L SC SL	2.45 lb ai/a 1.19 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	6.7 ab	99.0 a	99.0 a	99.0 a	93.3 a	39.3 a
7	HARNESS MAX HARNESS XTRA ROUNDUP POWERMAX N-PAK AMS	3.85 5.6 4.5	SC L SL	1.93 lb ai/a 2.45 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	13.3 ab	99.0 a	99.0 a	99.0 a	95.0 a	40.3 a
8	HARNESS HARNESS MAX ROUNDUP POWERMAX N-PAK AMS	7 3.85 4.5	EC SC SL	1.75 lb ai/a 1.19 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	8.3 ab	99.0 a	99.0 a	99.0 a	96.3 a	40.0 a
9	HARNESS MAX HARNESS ROUNDUP POWERMAX N-PAK AMS	3.85 7 4.5	SC EC SL	1.93 lb ai/a 1.09 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	13.3 ab	99.0 a	99.0 a	99.0 a	96.3 a	36.0 a
10	HARNESS MAX DIFLEXX ROUNDUP POWERMAX N-PAK AMS	3.85 4 4.5	SC SC SL	1.91 lb ai/a 0.5 lb ae/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 ab	99.0 a	99.0 a	99.0 a	94.3 a	35.0 a
11	HARNESS MAX ATRAZINE ROUNDUP POWERMAX N-PAK AMS	3.85 4 4.5	SC L SL	2.24 lb ai/a 1.0 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE PRE POST POST	A A B B	10.0 ab	99.0 a	99.0 a	99.0 a	90.0 a	40.0 a
12	HARNESS MAX ATRAZINE ROUNDUP POWERMAX N-PAK AMS	3.85 4 4.5	SC L SL	1.64 lb ai/a 1.0 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE PRE POST POST	A A B B	11.7 ab	99.0 a	99.0 a	99.0 a	84.7 a	38.7 a
13	HARNESS MAX HARNESS MAX ROUNDUP POWERMAX N-PAK AMS	3.85 3.85 4.5	SC SC SL	1.65 lb ai/a 1.20 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	10.0 ab	99.0 a	99.0 a	99.0 a	91.7 a	41.3 a
14	TRIPLE FLEXX II HARNESS MAX HARNESS XTRA ROUNDUP POWERMAX N-PAK AMS	4.25 3.85 5.6 4.5	EC SC L SL	1.06 lb ai/a 1.20 lb ai/a 1.40 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST POST	A B B B B	28.3 a	99.0 a	99.0 a	99.0 a	96.3 a	33.0 a
15	ACURON HALEX GT NIS N-PAK AMS	3.44 4.39	SC SL	1.08 lb ai/a 1.98 lb ai/a 0.25 % v/v 2.5 % v/v	PRE POST POST POST	A B B B	0.0 b	99.0 a	99.0 a	99.0 a	95.0 a	41.7 a

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
 Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5,8,9 because error mean square = 0.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						----- ZEAMA CROP - STUNTING PERCENT May-15-18	AMAPA ----- CONTROL PERCENT May-15-18	AGRASS ----- CONTROL PERCENT May-15-18	AMAPA ----- CONTROL PERCENT Jun-18-18	AGRASS ----- CONTROL PERCENT Jun-18-18	----- ZEAMA PLOT - YIELD LBS/PLOT Sep-6-18	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
16	RESICORE STATUS DURANGO DMA N-PAK AMS	3.35 61.1 4	EC DG SL	1.5 lb ai/a 0.375 lb ai/a 1.13 lb ae/a 2.5 % v/v	PRE POST POST POST	A B B B	8.3 ab	99.0 a	99.0 a	99.0 a	93.0 a	34.0 a
Tukey's HSD P=.10							22.87	.	.	1.61	16.27	11.88
Standard Deviation							8.20	0.00	0.00	0.58	5.83	4.26
CV							91.55	0.0	0.0	0.67	7.13	11.08
Grand Mean							8.96	86.63	86.63	86.54	81.83	38.44
Levene's F							0.624	0.00	0.00		1.279	0.349
Levene's Prob(F)							0.833	0.00*	0.00*		0.271	0.983
Replicate F							1.727	0.000	0.000	1.000	0.247	2.647
Replicate Prob(F)							0.1950	1.0000	1.0000	0.3798	0.7829	0.0874
Treatment F							2.426	0.000	0.000	10272.251	90.743	1.389
Treatment Prob(F)							0.0189	1.0000	1.0000	0.0001	0.0001	0.2153

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
 Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5,8,9 because error mean square = 0.

University of Georgia

Weed Code						-----
Crop Code						ZEAMA
Part Rated						PLOT -
Rating Data Type						YIELD
Rating Unit						BU/A
Rating Date						Sep-6-18
PRM Data Type						TY1
# Subsamples, Dec.						- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code
						13
1	NTC					199 a
2	NTC					208 a
3	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	225 a
	ROUNDUP POWERMAX	5.5	SL	32.0 oz/a	POST B	
	ATRAZINE	4	L	64.0 oz/a	POST B	
	PROWL H2O	3.8	SC	32.0 oz/a	POST B	
4	TRIPLE FLEXX II	4.25	EC	1.06 lb ai/a	PRE A	190 a
	HARNESS MAX	3.85	SC	1.19 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
5	HARNESS MAX	3.85	SC	1.93 lb ai/a	PRE A	194 a
	TRIPLE FLEXX II	4.25	EC	1.06 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
6	HARNESS XTRA	5.6	L	2.45 lb ai/a	PRE A	204 a
	HARNESS MAX	3.85	SC	1.19 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
7	HARNESS MAX	3.85	SC	1.93 lb ai/a	PRE A	209 a
	HARNESS XTRA	5.6	L	2.45 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
8	HARNESS	7	EC	1.75 lb ai/a	PRE A	208 a
	HARNESS MAX	3.85	SC	1.19 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
9	HARNESS MAX	3.85	SC	1.93 lb ai/a	PRE A	187 a
	HARNESS	7	EC	1.09 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
10	HARNESS MAX	3.85	SC	1.91 lb ai/a	PRE A	182 a
	DIFLEXX	4	SC	0.5 lb ae/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
11	HARNESS MAX	3.85	SC	2.24 lb ai/a	PRE A	208 a
	ATRAZINE	4	L	1.0 lb ai/a	PRE A	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
12	HARNESS MAX	3.85	SC	1.64 lb ai/a	PRE A	201 a
	ATRAZINE	4	L	1.0 lb ai/a	PRE A	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
13	HARNESS MAX	3.85	SC	1.65 lb ai/a	PRE A	215 a
	HARNESS MAX	3.85	SC	1.20 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
	N-PAK AMS			2.5 % v/v	POST B	
14	TRIPLE FLEXX II	4.25	EC	1.06 lb ai/a	PRE A	171 a
	HARNESS MAX	3.85	SC	1.20 lb ai/a	POST B	
	HARNESS XTRA	5.6	L	1.40 lb ai/a	POST B	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST B	
15	ACURON	3.44	SC	1.08 lb ai/a	PRE A	216 a
	HALEX GT	4.39	SL	1.98 lb ai/a	POST B	
	NIS			0.25 % v/v	POST B	
	N-PAK AMS			2.5 % v/v	POST B	

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
 Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5,8,9 because error mean square = 0.

University of Georgia

Weed Code							-----
Crop Code							ZEAMA
Part Rated							PLOT -
Rating Data Type							YIELD
Rating Unit							BU/A
Rating Date							Sep-6-18
PRM Data Type							TY1
# Subsamples, Dec.							- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code
16	RESICORE	3.35	EC	1.5	lb ai/a	PRE	A
	STATUS	61.1	DG	0.375	lb ai/a	POST	B
	DURANGO DMA	4	SL	1.13	lb ae/a	POST	B
	N-PAK AMS			2.5	% v/v	POST	B
							13
							177 a
Tukey's HSD P=.10							61.7
Standard Deviation							22.1
CV							11.08
Grand Mean							199.6
Levene's F							0.349
Levene's Prob(F)							0.983
Replicate F							2.647
Replicate Prob(F)							0.0874
Treatment F							1.389
Treatment Prob(F)							0.2153

University of Georgia

HARNES MAX WEED CONTROL SYSTEMS IN FIELD CORN
PRE FB POST
Trial ID: CN-08-18 Study Dir.: 2018-01-24-12 (BRAXTON + PERKINS)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
PRM Data Type
TY1 = 5.191851*[12]

University of Georgia

HARNESS MAX WEED CONTROL SYSTEMS IN FIELD CORN PRE FB POST													
Trial ID: CN-08-18						Study Dir.: 2018-01-24-12 (BRAXTON + PERKINS)							
Location: PONDER FARM						Investigator: Eric P. Prostko							
Weed Code						----- ZEAMA CROP - STUNTING PERCENT Apr-11-18	AGRASS ----- CONTROL PERCENT Apr-11-18	AMAPA ----- CONTROL PERCENT Apr-11-18	----- ZEAMA CROP - STUNTING PERCENT Apr-25-18	AMAPA ----- CONTROL PERCENT Apr-25-18			
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5
1	NTC							101	0.0	0.0	0.0	0.0	0.0
								209	0.0	0.0	0.0	0.0	0.0
								314	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	NTC							102	0.0	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0	0.0
								306	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
3	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	103	10.0	95.0	99.0	10.0	99.0
	ROUNDUP POWERMAX	5.5	SL	32.0	oz/a	POST	B	202	10.0	99.0	99.0	0.0	99.0
	ATRAZINE	4	L	64.0	oz/a	POST	B	307	10.0	99.0	99.0	15.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B						
								Mean =	10.0	97.7	99.0	8.3	99.0
4	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	PRE	A	104	10.0	99.0	99.0	25.0	99.0
	HARNESS MAX	3.85	SC	1.19	lb ai/a	POST	B	203	10.0	99.0	99.0	20.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	309	10.0	99.0	99.0	35.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	26.7	99.0
5	HARNESS MAX	3.85	SC	1.93	lb ai/a	PRE	A	105	10.0	99.0	99.0	0.0	99.0
	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	POST	B	215	10.0	99.0	99.0	20.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	311	10.0	99.0	99.0	10.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	10.0	99.0
6	HARNESS XTRA	5.6	L	2.45	lb ai/a	PRE	A	106	10.0	99.0	99.0	0.0	99.0
	HARNESS MAX	3.85	SC	1.19	lb ai/a	POST	B	214	10.0	99.0	99.0	20.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	304	10.0	99.0	99.0	15.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	11.7	99.0
7	HARNESS MAX	3.85	SC	1.93	lb ai/a	PRE	A	107	10.0	99.0	99.0	0.0	99.0
	HARNESS XTRA	5.6	L	2.45	lb ai/a	POST	B	211	10.0	99.0	99.0	30.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	305	10.0	99.0	99.0	10.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	13.3	99.0
8	HARNESS	7	EC	1.75	lb ai/a	PRE	A	108	10.0	99.0	99.0	0.0	99.0
	HARNESS MAX	3.85	SC	1.19	lb ai/a	POST	B	205	10.0	99.0	99.0	10.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	312	10.0	99.0	99.0	10.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	6.7	99.0
9	HARNESS MAX	3.85	SC	1.93	lb ai/a	PRE	A	109	10.0	99.0	99.0	15.0	99.0
	HARNESS	7	EC	1.09	lb ai/a	POST	B	216	10.0	99.0	99.0	20.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	310	10.0	99.0	99.0	20.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	18.3	99.0
10	HARNESS MAX	3.85	SC	1.91	lb ai/a	PRE	A	110	10.0	99.0	99.0	30.0	99.0
	DIFLEXX	4	SC	0.5	lb ae/a	POST	B	208	10.0	99.0	99.0	0.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	313	10.0	99.0	99.0	10.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	13.3	99.0
11	HARNESS MAX	3.85	SC	2.24	lb ai/a	PRE	A	111	10.0	99.0	99.0	30.0	99.0
	ATRAZINE	4	L	1.0	lb ai/a	PRE	A	204	10.0	99.0	99.0	15.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	316	10.0	99.0	99.0	10.0	99.0
	N-PAK AMS			2.5	% v/v	POST	B						
								Mean =	10.0	99.0	99.0	18.3	99.0

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- ZEAMA CROP - STUNTING PERCENT Apr-11-18	AGRASS ----- CONTROL PERCENT Apr-11-18	AMAPA ----- CONTROL PERCENT Apr-11-18	----- ZEAMA CROP - STUNTING PERCENT Apr-25-18	AMAPA ----- CONTROL PERCENT Apr-25-18
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code Plot	1	2	3	4	5
12	HARNESS MAX	3.85	SC	1.64	lb ai/a	PRE A 112	10.0	99.0	99.0	0.0	99.0
	ATRAZINE	4	L	1.0	lb ai/a	PRE A 201	10.0	99.0	99.0	15.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST B 302	10.0	99.0	99.0	20.0	99.0
	N-PAK AMS			2.5	% v/v	POST B					
						Mean =	10.0	99.0	99.0	11.7	99.0
13	HARNESS MAX	3.85	SC	1.65	lb ai/a	PRE A 113	10.0	99.0	99.0	0.0	99.0
	HARNESS MAX	3.85	SC	1.20	lb ai/a	POST B 210	10.0	99.0	99.0	20.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST B 308	10.0	99.0	99.0	20.0	99.0
	N-PAK AMS			2.5	% v/v	POST B					
						Mean =	10.0	99.0	99.0	13.3	99.0
14	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	PRE A 114	10.0	99.0	99.0	30.0	99.0
	HARNESS MAX	3.85	SC	1.20	lb ai/a	POST B 207	10.0	99.0	99.0	20.0	99.0
	HARNESS XTRA	5.6	L	1.40	lb ai/a	POST B 301	10.0	99.0	99.0	35.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST B					
	N-PAK AMS			2.5	% v/v	POST B					
						Mean =	10.0	99.0	99.0	28.3	99.0
15	ACURON	3.44	SC	1.08	lb ai/a	PRE A 115	10.0	99.0	99.0	0.0	99.0
	HALEX GT	4.39	SL	1.98	lb ai/a	POST B 213	10.0	99.0	99.0	10.0	99.0
	NIS			0.25	% v/v	POST B 303	10.0	99.0	99.0	15.0	99.0
	N-PAK AMS			2.5	% v/v	POST B					
						Mean =	10.0	99.0	99.0	8.3	99.0
16	RESICORE	3.35	EC	1.5	lb ai/a	PRE A 116	10.0	99.0	99.0	15.0	99.0
	STATUS	61.1	DG	0.375	lb ai/a	POST B 206	10.0	99.0	99.0	0.0	99.0
	DURANGO DMA	4	SL	1.13	lb ae/a	POST B 315	10.0	99.0	99.0	0.0	99.0
	N-PAK AMS			2.5	% v/v	POST B					
						Mean =	10.0	99.0	99.0	5.0	99.0

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						AGRASS ----- CONTROL PERCENT Apr-25-18	----- ZEAMA CROP - STUNTING PERCENT May-15-18	AMAPA ----- CONTROL PERCENT May-15-18	AGRASS ----- CONTROL PERCENT May-15-18	AMAPA ----- CONTROL PERCENT Jun-18-18
Trt Treatment No. Name	Form Form Conc Type Rate	Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10
1 NTC					101	0.0	0.0	0.0	0.0	0.0
					209	0.0	0.0	0.0	0.0	0.0
					314	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0
2 NTC					102	0.0	0.0	0.0	0.0	0.0
					212	0.0	0.0	0.0	0.0	0.0
					306	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0
3 DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A	103	90.0	0.0	99.0	99.0	99.0
ROUNDUP POWERMAX	5.5 SL	32.0 oz/a	POST	B	202	99.0	0.0	99.0	99.0	99.0
ATRAZINE	4 L	64.0 oz/a	POST	B	307	99.0	0.0	99.0	99.0	99.0
PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
					Mean =	96.0	0.0	99.0	99.0	99.0
4 TRIPLE FLEXX II	4.25 EC	1.06 lb ai/a	PRE	A	104	90.0	20.0	99.0	99.0	95.0
HARNESS MAX	3.85 SC	1.19 lb ai/a	POST	B	203	99.0	10.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	309	99.0	20.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	96.0	16.7	99.0	99.0	97.7
5 HARNESS MAX	3.85 SC	1.93 lb ai/a	PRE	A	105	99.0	0.0	99.0	99.0	99.0
TRIPLE FLEXX II	4.25 EC	1.06 lb ai/a	POST	B	215	99.0	20.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	311	99.0	0.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	99.0	6.7	99.0	99.0	99.0
6 HARNESS XTRA	5.6 L	2.45 lb ai/a	PRE	A	106	99.0	0.0	99.0	99.0	99.0
HARNESS MAX	3.85 SC	1.19 lb ai/a	POST	B	214	99.0	20.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	304	99.0	0.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	99.0	6.7	99.0	99.0	99.0
7 HARNESS MAX	3.85 SC	1.93 lb ai/a	PRE	A	107	95.0	0.0	99.0	99.0	99.0
HARNESS XTRA	5.6 L	2.45 lb ai/a	POST	B	211	99.0	25.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	305	99.0	15.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	97.7	13.3	99.0	99.0	99.0
8 HARNESS	7 EC	1.75 lb ai/a	PRE	A	108	99.0	10.0	99.0	99.0	99.0
HARNESS MAX	3.85 SC	1.19 lb ai/a	POST	B	205	99.0	15.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	312	99.0	0.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	99.0	8.3	99.0	99.0	99.0
9 HARNESS MAX	3.85 SC	1.93 lb ai/a	PRE	A	109	99.0	20.0	99.0	99.0	99.0
HARNESS	7 EC	1.09 lb ai/a	POST	B	216	99.0	20.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	310	99.0	0.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	99.0	13.3	99.0	99.0	99.0
10 HARNESS MAX	3.85 SC	1.91 lb ai/a	PRE	A	110	99.0	20.0	99.0	99.0	99.0
DIFLEXX	4 SC	0.5 lb ae/a	POST	B	208	99.0	0.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	313	99.0	10.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	99.0	10.0	99.0	99.0	99.0
11 HARNESS MAX	3.85 SC	2.24 lb ai/a	PRE	A	111	99.0	20.0	99.0	99.0	99.0
ATRAZINE	4 L	1.0 lb ai/a	PRE	A	204	99.0	10.0	99.0	99.0	99.0
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	POST	B	316	95.0	0.0	99.0	99.0	99.0
N-PAK AMS		2.5 % v/v	POST	B						
					Mean =	97.7	10.0	99.0	99.0	99.0

University of Georgia

Weed Code							AGRASS	-----	AMAPA	AGRASS	AMAPA
Crop Code							-----	ZEAMA	-----	-----	-----
Part Rated								CROP			
Rating Data Type							CONTROL	STUNTING	CONTROL	CONTROL	CONTROL
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							Apr-25-18	May-15-18	May-15-18	May-15-18	Jun-18-18
PRM Data Type											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	6	7	8	9	10
12	HARNESS MAX	3.85	SC	1.64 lb ai/a	PRE	A 112	90.0	0.0	99.0	99.0	99.0
	ATRAZINE	4	L	1.0 lb ai/a	PRE	A 201	99.0	15.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST	B 302	99.0	20.0	99.0	99.0	99.0
	N-PAK AMS			2.5 % v/v	POST	B					
						Mean =	96.0	11.7	99.0	99.0	99.0
13	HARNESS MAX	3.85	SC	1.65 lb ai/a	PRE	A 113	99.0	0.0	99.0	99.0	99.0
	HARNESS MAX	3.85	SC	1.20 lb ai/a	POST	B 210	99.0	20.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST	B 308	99.0	10.0	99.0	99.0	99.0
	N-PAK AMS			2.5 % v/v	POST	B					
						Mean =	99.0	10.0	99.0	99.0	99.0
14	TRIPLE FLEXX II	4.25	EC	1.06 lb ai/a	PRE	A 114	95.0	30.0	99.0	99.0	99.0
	HARNESS MAX	3.85	SC	1.20 lb ai/a	POST	B 207	99.0	25.0	99.0	99.0	99.0
	HARNESS XTRA	5.6	L	1.40 lb ai/a	POST	B 301	99.0	30.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST	B					
	N-PAK AMS			2.5 % v/v	POST	B					
						Mean =	97.7	28.3	99.0	99.0	99.0
15	ACURON	3.44	SC	1.08 lb ai/a	PRE	A 115	95.0	0.0	99.0	99.0	99.0
	HALEX GT	4.39	SL	1.98 lb ai/a	POST	B 213	99.0	0.0	99.0	99.0	99.0
	NIS			0.25 % v/v	POST	B 303	99.0	0.0	99.0	99.0	99.0
	N-PAK AMS			2.5 % v/v	POST	B					
						Mean =	97.7	0.0	99.0	99.0	99.0
16	RESICORE	3.35	EC	1.5 lb ai/a	PRE	A 116	99.0	15.0	99.0	99.0	99.0
	STATUS	61.1	DG	0.375 lb ai/a	POST	B 206	99.0	10.0	99.0	99.0	99.0
	DURANGO DMA	4	SL	1.13 lb ae/a	POST	B 315	99.0	0.0	99.0	99.0	99.0
	N-PAK AMS			2.5 % v/v	POST	B					
						Mean =	99.0	8.3	99.0	99.0	99.0

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						AGRASS ----- CONTROL PERCENT Jun-18-18	----- ZEAMA PLOT - YIELD LBS/PLOT Sep-6-18	----- ZEAMA PLOT - YIELD BU/A Sep-6-18 TY1 - 0			
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
									11		
									12		
									13		
1	NTC							101	0.0	36.0	187
								209	0.0	43.0	223
								314	0.0	36.0	187
								Mean =	0.0	38.3	199
2	NTC							102	0.0	41.0	213
								212	0.0	37.0	192
								306	0.0	42.0	218
								Mean =	0.0	40.0	208
3	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	103	95.0	47.0	244
	ROUNDUP POWERMAX	5.5	SL	32.0	oz/a	POST	B	202	95.0	39.0	202
	ATRAZINE	4	L	64.0	oz/a	POST	B	307	95.0	44.0	228
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B				
								Mean =	95.0	43.3	225
4	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	PRE	A	104	90.0	40.0	208
	HARNESS MAX	3.85	SC	1.19	lb ai/a	POST	B	203	95.0	35.0	182
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	309	95.0	35.0	182
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	93.3	36.7	190
5	HARNESS MAX	3.85	SC	1.93	lb ai/a	PRE	A	105	95.0	40.0	208
	TRIPLE FLEXX II	4.25	EC	1.06	lb ai/a	POST	B	215	95.0	36.0	187
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	311	95.0	36.0	187
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	95.0	37.3	194
6	HARNESS XTRA	5.6	L	2.45	lb ai/a	PRE	A	106	90.0	42.0	218
	HARNESS MAX	3.85	SC	1.19	lb ai/a	POST	B	214	95.0	33.0	171
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	304	95.0	43.0	223
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	93.3	39.3	204
7	HARNESS MAX	3.85	SC	1.93	lb ai/a	PRE	A	107	95.0	40.0	208
	HARNESS XTRA	5.6	L	2.45	lb ai/a	POST	B	211	95.0	37.0	192
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	305	95.0	44.0	228
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	95.0	40.3	209
8	HARNESS	7	EC	1.75	lb ai/a	PRE	A	108	99.0	45.0	234
	HARNESS MAX	3.85	SC	1.19	lb ai/a	POST	B	205	95.0	33.0	171
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	312	95.0	42.0	218
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	96.3	40.0	208
9	HARNESS MAX	3.85	SC	1.93	lb ai/a	PRE	A	109	99.0	34.0	177
	HARNESS	7	EC	1.09	lb ai/a	POST	B	216	95.0	40.0	208
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	310	95.0	34.0	177
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	96.3	36.0	187
10	HARNESS MAX	3.85	SC	1.91	lb ai/a	PRE	A	110	99.0	36.0	187
	DIFLEXX	4	SC	0.5	lb ae/a	POST	B	208	99.0	41.0	213
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	313	85.0	28.0	145
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	94.3	35.0	182
11	HARNESS MAX	3.85	SC	2.24	lb ai/a	PRE	A	111	85.0	39.0	202
	ATRAZINE	4	L	1.0	lb ai/a	PRE	A	204	90.0	40.0	208
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	POST	B	316	95.0	41.0	213
	N-PAK AMS			2.5	% v/v	POST	B				
								Mean =	90.0	40.0	208

University of Georgia

Weed Code							AGRASS	-----	-----	
Crop Code							-----	ZEAMA	ZEAMA	
Part Rated								PLOT -	PLOT -	
Rating Data Type							CONTROL	YIELD	YIELD	
Rating Unit							PERCENT	LBS/PLOT	BU/A	
Rating Date							Jun-18-18	Sep-6-18	Sep-6-18	
PRM Data Type									TY1	
# Subsamples, Dec.									- 0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	Plot	11	12	13
12	HARNESS MAX	3.85	SC	1.64 lb ai/a	PRE	A	112	65.0	42.0	218
	ATRAZINE	4	L	1.0 lb ai/a	PRE	A	201	99.0	37.0	192
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST	B	302	90.0	37.0	192
	N-PAK AMS			2.5 % v/v	POST	B				
							Mean =	84.7	38.7	201
13	HARNESS MAX	3.85	SC	1.65 lb ai/a	PRE	A	113	95.0	47.0	244
	HARNESS MAX	3.85	SC	1.20 lb ai/a	POST	B	210	85.0	40.0	208
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST	B	308	95.0	37.0	192
	N-PAK AMS			2.5 % v/v	POST	B				
							Mean =	91.7	41.3	215
14	TRIPLE FLEXX II	4.25	EC	1.06 lb ai/a	PRE	A	114	95.0	36.0	187
	HARNESS MAX	3.85	SC	1.20 lb ai/a	POST	B	207	99.0	37.0	192
	HARNESS XTRA	5.6	L	1.40 lb ai/a	POST	B	301	95.0	26.0	135
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	POST	B				
	N-PAK AMS			2.5 % v/v	POST	B				
							Mean =	96.3	33.0	171
15	ACURON	3.44	SC	1.08 lb ai/a	PRE	A	115	95.0	50.0	260
	HALEX GT	4.39	SL	1.98 lb ai/a	POST	B	213	95.0	36.0	187
	NIS			0.25 % v/v	POST	B	303	95.0	39.0	202
	N-PAK AMS			2.5 % v/v	POST	B				
							Mean =	95.0	41.7	216
16	RESICORE	3.35	EC	1.5 lb ai/a	PRE	A	116	99.0	32.0	166
	STATUS	61.1	DG	0.375 lb ai/a	POST	B	206	85.0	35.0	182
	DURANGO DMA	4	SL	1.13 lb ae/a	POST	B	315	95.0	35.0	182
	N-PAK AMS			2.5 % v/v	POST	B				
							Mean =	93.0	34.0	177

University of Georgia

HARNES MAX WEED CONTROL SYSTEMS IN FIELD CORN
PRE FB POST
Trial ID: CN-08-18 Study Dir.: 2018-01-24-12 (BRAXTON + PERKINS)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
PRM Data Type
TY1 = 5.191851*[12]