

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22 Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

Reps: 4

Plots: 8 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	NTC								-	101	204	311	404
2	DUAL MAGNUM	7.62	EC	16.0 oz/a		PRE	A	12.5 mL/mx	1487.5 mL	102	211	310	413
3	DUAL MAGNUM	7.62	EC	32.0 oz/a		PRE	A	25.0 mL/mx	1475 mL	103	209	306	410
4	WARRANT	3	ME	48.0 oz/a		PRE	A	37.5 mL/mx	1462.5 mL	104	205	313	403
5	WARRANT	3	ME	96.0 oz/a		PRE	A	75.0 mL/mx	1425 mL	105	207	314	405
6	ZIDUA	4.17	SC	2.5 oz/a		PRE	A	1.953 mL/mx	1498.0 mL	106	201	312	407
7	ZIDUA	4.17	SC	5.0 oz/a		PRE	A	3.906 mL/mx	1496.1 mL	107	202	308	415
8	ANTHEM FLEX	4	SC	3.0 oz/a		PRE	A	2.344 mL/mx	1497.7 mL	108	214	307	408
9	ANTHEM FLEX	4	SC	6.0 oz/a		PRE	A	4.687 mL/mx	1495.3 mL	109	208	303	409
10	OUTLOOK	6	EC	12.8 oz/a		PRE	A	10.0 mL/mx	1490 mL	110	206	301	414
11	OUTLOOK	6	EC	25.6 oz/a		PRE	A	20.0 mL/mx	1480 mL	111	215	304	412
12	TRICOR	4	F	8.0 oz/a		PRE	A	6.25 mL/mx	1493.8 mL	112	210	309	401
13	TRICOR	4	F	16.0 oz/a		PRE	A	12.5 mL/mx	1487.5 mL	113	212	315	406
14	VALOR EZ2	4	SC	3.0 oz/a		PRE	A	2.344 mL/mx	1497.7 mL	114	203	302	411
15	VALOR EZ2	4	SC	6.0 oz/a		PRE	A	4.687 mL/mx	1495.3 mL	115	213	305	402

Sort Order: Treatment

Trial Comments

GRAMOXONE 2SL @ 32 OZ/A + INDUCE @ 0.25% V/V WITH ALL TRTS INCLUDING NTC

MIXING PROBLEMS WITH TRT 6, 7, 14, 15 (ZIDUA OR VALOR WITH GRAMOXONE)
PLOT 210 AND MAYBE 309 NOZZLE PROBLEMS (TRICOR TRT 12).

IRRIGATION 0.5" ON SAME DAY AROUND 2-3 PM.

SUMMARY:

1) PALMER AMARANTH DENSITY COUNTS/FT2 ON OCTOBER 25 (29 DAT) INDICATED THE FOLLOWING:

A) ALL HERBICIDE TREATED PLOTS HAD LOWER PALMER AMARANTH DENSITIES THAN THE NTC WITH NO DIFFERENCES BETWEEN HERBICIDE TREATMENTS.

2) DATA WOULD SUGGEST THAT THIS POPULATION HAS NOT YET EVOLVED RESISTANCE TO THE GROUP 15 HERBICIDES. HOWEVER, I DO NOT HAVE 100% CONFIDENCE IN THIS DATA BECAUSE THE PALMER AMARANTH POPULATION WAS VARIABLE AND LOW IN 2/4 NTC PLOTS.

3) STUDY WILL BE REPEATED IN SPRING OF 2023.

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Trial ID: RD-01-22 Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY
 Location: BROOKS COUNTY Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: M. HARRIS/R. DOWDY

Title: _____

Affiliation: _____

Postal Code: _____

Investigator: Eric P. Prostko

Title: _____

Affiliation: _____

Postal Code: _____

TRIAL LOCATION

City: _____

Trial Status: E

State/Prov.: _____

Trial Reliability: _____

Postal Code: _____

Initiation Date: _____

Country: _____

Planned Completion Date: _____

E-Longitude of LL Corner °: _____

N-Latitude of LL Corner °: _____

Altitude of LL Corner: _____ Unit: _____

Angle y-axis to North °: _____

Directions: _____

COOPERATOR/LANDOWNER

Cooperator: _____

Country: _____

Org: _____

Phone No: _____

Address 1: _____

Fax No: _____

Address 2: _____

City: _____

State/Prov: _____

Postal Code: _____

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Guidelines: _____ Guideline Description: _____

Objective: _____

Conclusions: _____

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.			

Crop 1: _____ Variety: _____

Planting Date: _____ Planting Method: _____

Rate: _____ Depth: _____ Perennial Age: _____

Row Spacing: _____ Spacing Within Row: _____ Seed Bed: _____

Soil Temperature: _____ Soil Moisture: _____ Emergence Date: _____

Plot Width, Unit: 8 FT SITE AND DESIGN
 Plot Length, Unit: 25 FT Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL Study Design: RACOB

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	CORN/SOYBEAN		2022

MAINTENANCE

Field Prep./Maintenance: 30-36-56N

83-11-50 W

140 FT ELEVATION

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

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Trial ID: RD-01-22 Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY
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SOIL DESCRIPTION

% Sand: _____ % OM: _____ Texture: LOAMY SAND
 % Silt: _____ pH: _____ Soil Name: KENANVILLE
 % Clay: _____ CEC: _____ Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Sep-26-22	3 PM	0.5	IN	SPRINKLER - CENTER PIVOT		
2.	Oct-5-22	10 AM	0.4	IN	SPRINKLER - CENTER PIVOT		
3.	Oct-5-22	12 PM	0.4	IN	SPRINKLER - CENTER PIVOT		
4.	Oct-12-22		0.2	IN	RAINFALL		
5.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Sep-26-22
Time of Day:	8:24 AM
Application Method:	BROADCAST
Application Timing:	PRE
Applic. Placement:	SOIL
Air Temp., Unit:	68 F
% Relative Humidity:	92
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	N
Water Hardness:	--
Soil Temp., Unit:	80 F
Soil Moisture:	DRY
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	
Stage Scale:	
Height, Unit:	

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

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GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD**BARE-GROUND/NON-CROP**

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY

Investigator: Eric P. Prostko

APPLICATION EQUIPMENT

	A
Appl. Equipment:	BACKPACK
Operating Pressure:	35
Nozzle Type:	AIXR
Nozzle Size:	11002
Nozzle Spacing, Unit:	20 IN
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	60 IN
Boom Height, Unit:	20 IN
Ground Speed, Unit:	3.5 MPH
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	WATER
Spray Volume, Unit:	15 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	

Trt No	Treatment Application Comment

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BARE-GROUND/NON-CROP													
Trial ID: RD-01-22			Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY										
Location: BROOKS COUNTY			Investigator: Eric P. Prostko										
Weed Code						AMAPA	AMAPA	AMAPA	AMAPA	AMAPA	AMAPA		
Crop Code						-----	-----	-----	-----	-----	-----		
Part Rated													
Rating Data Type									AVERAGE				
Rating Unit						PLTS/FT2	PLTS/FT2	PLTS/FT2	PLTS/FT2	PLTS/FT2	PLTS/FT2		
Rating Date						Oct-5-22	Oct-5-22	Oct-5-22	Oct-5-22	Oct-14-22	Oct-14-22		
Trt-Eval Interval						9 DA-A	9 DA-A	9 DA-A	9 DA-A	18 DA-A	18 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	NTC							6.0 a	0.8 a	5.5 a	4.1 a	2.3 a	3.0 ab
2	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	0.0 a	0.3 a	0.0 a	0.1 a	0.5 bc	0.0 c
3	DUAL MAGNUM	7.62 EC		32.0 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.3 c	0.0 c
4	WARRANT	3 ME		48.0 oz/a		PRE	A	0.3 a	0.8 a	1.8 a	0.9 a	1.5 ab	4.0 a
5	WARRANT	3 ME		96.0 oz/a		PRE	A	0.3 a	0.5 a	0.0 a	0.3 a	0.8 bc	1.8 bc
6	ZIDUA	4.17 SC		2.5 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.0 c	0.0 c
7	ZIDUA	4.17 SC		5.0 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.3 c	0.0 c
8	ANTHEM FLEX	4 SC		3.0 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.0 c	0.0 c
9	ANTHEM FLEX	4 SC		6.0 oz/a		PRE	A	0.3 a	0.0 a	0.0 a	0.1 a	0.0 c	0.0 c
10	OUTLOOK	6 EC		12.8 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.3 c	0.0 c
11	OUTLOOK	6 EC		25.6 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.0 c	0.0 c
12	TRICOR	4 F		8.0 oz/a		PRE	A	0.0 a	0.5 a	0.0 a	0.2 a	1.5 ab	0.0 c
13	TRICOR	4 F		16.0 oz/a		PRE	A	0.0 a	0.0 a	0.0 a	0.0 a	0.0 c	0.3 c
14	VALOR EZ2	4 SC		3.0 oz/a		PRE	A	0.3 a	0.0 a	0.0 a	0.1 a	0.3 c	0.0 c
15	VALOR EZ2	4 SC		6.0 oz/a		PRE	A	0.0 a	0.5 a	0.5 a	0.3 a	0.0 c	0.0 c
LSD P=.10						3.70	0.76	3.43	2.51	1.25	2.24		
Standard Deviation						3.11	0.64	2.88	2.11	1.05	1.88		
CV						666.41	294.21	558.01	527.14	210.14	313.6		
Grand Mean						0.47	0.22	0.52	0.40	0.50	0.60		
Bartlett's X2^						92.815*	30.197*	75.05*	82.023*	67.358*	43.804*		
P(Bartlett's X2)						0.00*	0.007*	0.00*	0.00*	0.00*	0.00*		
Shapiro-Wilk^						0.4702*	0.8274*	0.5305*	0.5118*	0.8278*	0.7608*		
P(Shapiro-Wilk)^						0.0*	0.0*	0.0*	0.0*	0.0*	0.0*		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

^Calculated from residual.

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BARE-GROUND/NON-CROP											
Trial ID: RD-01-22			Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY								
Location: BROOKS COUNTY			Investigator: Eric P. Prostko								
Weed Code						AMAPA	AMAPA	AMAPA	AMAPA	AMAPA	AMAPA
Crop Code						-----	-----	-----	-----	-----	-----
Part Rated											
Rating Data Type							AVERAGE				AVERAGE
Rating Unit						PLTS/FT2	PLTS/FT2	PLTS/FT2	PLTS/FT2	PLTS/FT2	PLTS/FT2
Rating Date						Oct-14-22	Oct-14-22	Oct-25-22	Oct-25-22	Oct-25-22	Oct-25-22
Trt-Eval Interval						18 DA-A	18 DA-A	29 DA-A	29 DA-A	29 DA-A	29 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10
1	NTC							2.5 a	2.6 a	2.8 a	13.3 a
2	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE A			0.0 c	0.2 b	0.8 a	0.0 a
3	DUAL MAGNUM	7.62 EC		32.0 oz/a	PRE A			0.3 bc	0.2 b	0.3 a	0.0 a
4	WARRANT	3 ME		48.0 oz/a	PRE A			2.5 a	2.7 a	1.3 a	2.3 a
5	WARRANT	3 ME		96.0 oz/a	PRE A			0.3 bc	0.9 b	0.3 a	1.3 a
6	ZIDUA	4.17 SC		2.5 oz/a	PRE A			0.0 c	0.0 b	0.0 a	0.3 a
7	ZIDUA	4.17 SC		5.0 oz/a	PRE A			0.3 bc	0.2 b	0.3 a	0.0 a
8	ANTHEM FLEX	4 SC		3.0 oz/a	PRE A			0.5 bc	0.2 b	0.5 a	0.0 a
9	ANTHEM FLEX	4 SC		6.0 oz/a	PRE A			0.0 c	0.0 b	0.3 a	0.0 a
10	OUTLOOK	6 EC		12.8 oz/a	PRE A			0.0 c	0.1 b	0.0 a	0.0 a
11	OUTLOOK	6 EC		25.6 oz/a	PRE A			0.0 c	0.0 b	0.0 a	0.0 a
12	TRICOR	4 F		8.0 oz/a	PRE A			1.5 ab	1.0 b	0.8 a	0.3 a
13	TRICOR	4 F		16.0 oz/a	PRE A			0.0 c	0.1 b	0.8 a	0.0 a
14	VALOR EZ2	4 SC		3.0 oz/a	PRE A			0.0 c	0.1 b	0.0 a	0.3 a
15	VALOR EZ2	4 SC		6.0 oz/a	PRE A			0.0 c	0.0 b	0.0 a	0.0 a
LSD P=.10								1.29	1.06	1.83	6.47
Standard Deviation								1.08	0.89	1.54	5.44
CV								209.91	164.64	298.2	466.07
Grand Mean								0.52	0.54	0.52	1.17
Bartlett's X2^								60.433*	37.99*	74.688*	88.916*
P(Bartlett's X2)								0.00*	0.001*	0.00*	0.00*
Shapiro-Wilk^								0.832*	0.8342*	0.6374*	0.5119*
P(Shapiro-Wilk)^								0.0*	0.0*	0.0*	0.0*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

^Calculated from residual.

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Trial ID: RD-01-22 Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	566.933333			
Replicate	3	28.800000	9.600000	0.993	0.4056
Treatment	14	131.933333	9.423810	0.974	0.4942
Error	42	406.200000	9.671429		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	26.183333			
Replicate	3	4.183333	1.394444	3.432	0.0254
Treatment	14	4.933333	0.352381	0.867	0.5972
Error	42	17.066667	0.406349		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	500.983333			
Replicate	3	33.650000	11.216667	1.349	0.2713
Treatment	14	118.233333	8.445238	1.016	0.4565
Error	42	349.100000	8.311905		

Randomized Complete Block (RCB) AOV For AMAPA ----- AVERAGE PLTS/FT2 Oct-5-22 9 DA-A (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	267.288889			
Replicate	3	19.214815	6.404938	1.441	0.2445
Treatment	14	61.344444	4.381746	0.986	0.4840
Error	42	186.729630	4.445944		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	75.000000			
Replicate	3	1.133333	0.377778	0.342	0.7949
Treatment	14	27.500000	1.964286	1.779	0.0753
Error	42	46.366667	1.103968		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	272.400000			
Replicate	3	32.800000	10.933333	3.088	0.0373
Treatment	14	90.900000	6.492857	1.834	0.0652
Error	42	148.700000	3.540476		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	96.983333			
Replicate	3	2.850000	0.950000	0.808	0.4967
Treatment	14	44.733333	3.195238	2.717	0.0062
Error	42	49.400000	1.176190		

Randomized Complete Block (RCB) AOV For AMAPA ----- AVERAGE PLTS/FT2 Oct-14-22 18 DA-A (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	84.909259			
Replicate	3	6.242593	2.080864	2.643	0.0616
Treatment	14	45.603704	3.257407	4.138	0.0002
Error	42	33.062963	0.787213		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	132.983333			
Replicate	3	4.050000	1.350000	0.569	0.6387
Treatment	14	29.233333	2.088095	0.880	0.5849
Error	42	99.700000	2.373810		

Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	1976.333333			
Replicate	3	86.733333	28.911111	0.978	0.4123
Treatment	14	647.833333	46.273810	1.565	0.1303
Error	42	1241.766667	29.565873		

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Randomized Complete Block (RCB) AOV For AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	594.983333			
Replicate	3	10.583333	3.527778	0.574	0.6353
Treatment	14	326.233333	23.302381	3.791	0.0004
Error	42	258.166667	6.146825		

Randomized Complete Block (RCB) AOV For AMAPA ----- AVERAGE PLTS/FT2 Oct-25-22 29 DA-A (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	679.177778			
Replicate	3	21.844444	7.281481	0.769	0.5178
Treatment	14	259.733333	18.552381	1.960	0.0468
Error	42	397.600000	9.466667		

ARM Action Codes

T1 = ([C1]+[C2]+[C3])/3

T2 = ([C5]+[C6]+[C7])/3

T3 = ([C9]+[C10]+[C11])/3

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Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval							AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- AVERAGE PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg Appl Code Plot	1	2	3	4	5
1	NTC					101	24.0	3.0	22.0	16.3	3.0
						204	0.0	0.0	0.0	0.0	0.0
						311	0.0	0.0	0.0	0.0	5.0
						404	0.0	0.0	0.0	0.0	1.0
						Mean =	6.0	0.8	5.5	4.1	2.3
2	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE A 102	0.0	1.0	0.0	0.3	1.0
						211	0.0	0.0	0.0	0.0	1.0
						310	0.0	0.0	0.0	0.0	0.0
						413	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.3	0.0	0.1	0.5
3	DUAL MAGNUM	7.62 EC		32.0 oz/a		PRE A 103	0.0	0.0	0.0	0.0	0.0
						209	0.0	0.0	0.0	0.0	1.0
						306	0.0	0.0	0.0	0.0	0.0
						410	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.3
4	WARRANT	3 ME		48.0 oz/a		PRE A 104	0.0	3.0	5.0	2.7	4.0
						205	0.0	0.0	2.0	0.7	1.0
						313	0.0	0.0	0.0	0.0	1.0
						403	1.0	0.0	0.0	0.3	0.0
						Mean =	0.3	0.8	1.8	0.9	1.5
5	WARRANT	3 ME		96.0 oz/a		PRE A 105	0.0	2.0	0.0	0.7	1.0
						207	0.0	0.0	0.0	0.0	0.0
						314	1.0	0.0	0.0	0.3	2.0
						405	0.0	0.0	0.0	0.0	0.0
						Mean =	0.3	0.5	0.0	0.3	0.8
6	ZIDUA	4.17 SC		2.5 oz/a		PRE A 106	0.0	0.0	0.0	0.0	0.0
						201	0.0	0.0	0.0	0.0	0.0
						312	0.0	0.0	0.0	0.0	0.0
						407	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
7	ZIDUA	4.17 SC		5.0 oz/a		PRE A 107	0.0	0.0	0.0	0.0	0.0
						202	0.0	0.0	0.0	0.0	0.0
						308	0.0	0.0	0.0	0.0	1.0
						415	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.3
8	ANTHEM FLEX	4 SC		3.0 oz/a		PRE A 108	0.0	0.0	0.0	0.0	0.0
						214	0.0	0.0	0.0	0.0	0.0
						307	0.0	0.0	0.0	0.0	0.0
						408	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
9	ANTHEM FLEX	4 SC		6.0 oz/a		PRE A 109	0.0	0.0	0.0	0.0	0.0
						208	1.0	0.0	0.0	0.3	0.0
						303	0.0	0.0	0.0	0.0	0.0
						409	0.0	0.0	0.0	0.0	0.0
						Mean =	0.3	0.0	0.0	0.1	0.0
10	OUTLOOK	6 EC		12.8 oz/a		PRE A 110	0.0	0.0	0.0	0.0	0.0
						206	0.0	0.0	0.0	0.0	0.0
						301	0.0	0.0	0.0	0.0	1.0
						414	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.3

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval								AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- AVERAGE PLTS/FT2 Oct-5-22 9 DA-A	AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A		
Trt	Treatment	Form	Form	Product	Product	Grow	Appl							
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot	1	2	3	4	5
11	OUTLOOK	6 EC		25.6 oz/a		PRE	A	111		0.0	0.0	0.0	0.0	0.0
								215	0.0	0.0	0.0	0.0	0.0	
								304	0.0	0.0	0.0	0.0	0.0	
								412	0.0	0.0	0.0	0.0	0.0	
								Mean =	0.0	0.0	0.0	0.0	0.0	
12	TRICOR	4 F		8.0 oz/a		PRE	A	112		0.0	0.0	0.0	0.0	0.0
								210	0.0	0.0	0.0	0.0	1.0	
								309	0.0	2.0	0.0	0.7	0.0	
								401	0.0	0.0	0.0	0.0	5.0	
								Mean =	0.0	0.5	0.0	0.2	1.5	
13	TRICOR	4 F		16.0 oz/a		PRE	A	113		0.0	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0	0.0	
								315	0.0	0.0	0.0	0.0	0.0	
								406	0.0	0.0	0.0	0.0	0.0	
								Mean =	0.0	0.0	0.0	0.0	0.0	
14	VALOR EZ2	4 SC		3.0 oz/a		PRE	A	114		1.0	0.0	0.0	0.3	0.0
								203	0.0	0.0	0.0	0.0	1.0	
								302	0.0	0.0	0.0	0.0	0.0	
								411	0.0	0.0	0.0	0.0	0.0	
								Mean =	0.3	0.0	0.0	0.1	0.3	
15	VALOR EZ2	4 SC		6.0 oz/a		PRE	A	115		0.0	1.0	0.0	0.3	0.0
								213	0.0	1.0	2.0	1.0	0.0	
								305	0.0	0.0	0.0	0.0	0.0	
								402	0.0	0.0	0.0	0.0	0.0	
								Mean =	0.0	0.5	0.5	0.3	0.0	

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval							AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A	AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A	AMAPA ----- AVERAGE PLTS/FT2 Oct-14-22 18 DA-A	AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A	AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A
Trt	Treatment	Form	Form	Product	Product	Grow Appl					
No.	Name	Conc	Type	Rate	Rate	Unit Stg Code Plot	6	7	8	9	10
1	NTC					101	7.0	6.0	5.3	0.0	8.0
						204	1.0	2.0	1.0	0.0	1.0
						311	0.0	1.0	2.0	0.0	0.0
						404	4.0	1.0	2.0	11.0	44.0
						Mean =	3.0	2.5	2.6	2.8	13.3
2	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE A 102	0.0	0.0	0.3	1.0	0.0
						211	0.0	0.0	0.3	1.0	0.0
						310	0.0	0.0	0.0	1.0	0.0
						413	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.2	0.8	0.0
3	DUAL MAGNUM	7.62 EC		32.0 oz/a		PRE A 103	0.0	0.0	0.0	0.0	0.0
						209	0.0	0.0	0.3	1.0	0.0
						306	0.0	1.0	0.3	0.0	0.0
						410	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.3	0.2	0.3	0.0
4	WARRANT	3 ME		48.0 oz/a		PRE A 104	13.0	3.0	6.7	3.0	6.0
						205	3.0	0.0	1.3	1.0	2.0
						313	0.0	1.0	0.7	1.0	1.0
						403	0.0	6.0	2.0	0.0	0.0
						Mean =	4.0	2.5	2.7	1.3	2.3
5	WARRANT	3 ME		96.0 oz/a		PRE A 105	7.0	0.0	2.7	0.0	3.0
						207	0.0	1.0	0.3	1.0	0.0
						314	0.0	0.0	0.7	0.0	0.0
						405	0.0	0.0	0.0	0.0	2.0
						Mean =	1.8	0.3	0.9	0.3	1.3
6	ZIDUA	4.17 SC		2.5 oz/a		PRE A 106	0.0	0.0	0.0	0.0	1.0
						201	0.0	0.0	0.0	0.0	0.0
						312	0.0	0.0	0.0	0.0	0.0
						407	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.3
7	ZIDUA	4.17 SC		5.0 oz/a		PRE A 107	0.0	0.0	0.0	0.0	0.0
						202	0.0	0.0	0.0	0.0	0.0
						308	0.0	1.0	0.7	1.0	0.0
						415	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.3	0.2	0.3	0.0
8	ANTHEM FLEX	4 SC		3.0 oz/a		PRE A 108	0.0	0.0	0.0	0.0	0.0
						214	0.0	0.0	0.0	0.0	0.0
						307	0.0	2.0	0.7	1.0	0.0
						408	0.0	0.0	0.0	1.0	0.0
						Mean =	0.0	0.5	0.2	0.5	0.0
9	ANTHEM FLEX	4 SC		6.0 oz/a		PRE A 109	0.0	0.0	0.0	0.0	0.0
						208	0.0	0.0	0.0	1.0	0.0
						303	0.0	0.0	0.0	0.0	0.0
						409	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.3	0.0
10	OUTLOOK	6 EC		12.8 oz/a		PRE A 110	0.0	0.0	0.0	0.0	0.0
						206	0.0	0.0	0.0	0.0	0.0
						301	0.0	0.0	0.3	0.0	0.0
						414	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.1	0.0	0.0

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval							AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A	AMAPA ----- PLTS/FT2 Oct-14-22 18 DA-A	AMAPA ----- AVERAGE PLTS/FT2 Oct-14-22 18 DA-A	AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A	AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A
Trt	Treatment	Form	Form	Product	Product	Grow Appl	6	7	8	9	10
No.	Name	Conc	Type	Rate	Rate	Unit Stg Code Plot					
11	OUTLOOK	6	EC	25.6	oz/a	PRE A 111	0.0	0.0	0.0	0.0	0.0
						215	0.0	0.0	0.0	0.0	0.0
						304	0.0	0.0	0.0	0.0	0.0
						412	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
12	TRICOR	4	F	8.0	oz/a	PRE A 112	0.0	3.0	1.0	0.0	1.0
						210	0.0	0.0	0.3	2.0	0.0
						309	0.0	3.0	1.0	0.0	0.0
						401	0.0	0.0	1.7	1.0	0.0
						Mean =	0.0	1.5	1.0	0.8	0.3
13	TRICOR	4	F	16.0	oz/a	PRE A 113	1.0	0.0	0.3	0.0	0.0
						212	0.0	0.0	0.0	1.0	0.0
						315	0.0	0.0	0.0	1.0	0.0
						406	0.0	0.0	0.0	1.0	0.0
						Mean =	0.3	0.0	0.1	0.8	0.0
14	VALOR EZ2	4	SC	3.0	oz/a	PRE A 114	0.0	0.0	0.0	0.0	1.0
						203	0.0	0.0	0.3	0.0	0.0
						302	0.0	0.0	0.0	0.0	0.0
						411	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.1	0.0	0.3
15	VALOR EZ2	4	SC	6.0	oz/a	PRE A 115	0.0	0.0	0.0	0.0	0.0
						213	0.0	0.0	0.0	0.0	0.0
						305	0.0	0.0	0.0	0.0	0.0
						402	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY

Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval							AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A	AMAPA ----- AVERAGE PLTS/FT2 Oct-25-22 29 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg Appl Code Plot	11	12
1	NTC					101 204 311 404 Mean =	10.0 2.0 4.0 22.0 9.5	6.0 1.0 1.3 25.7 8.5
2	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE A 102 211 310 413 Mean =	1.0 0.0 0.0 0.0 0.3	0.7 0.3 0.3 0.0 0.3
3	DUAL MAGNUM	7.62 EC		32.0 oz/a		PRE A 103 209 306 410 Mean =	0.0 0.0 2.0 0.0 0.5	0.0 0.3 0.7 0.0 0.3
4	WARRANT	3 ME		48.0 oz/a		PRE A 104 205 313 403 Mean =	3.0 4.0 0.0 2.0 2.3	4.0 2.3 0.7 0.7 1.9
5	WARRANT	3 ME		96.0 oz/a		PRE A 105 207 314 405 Mean =	0.0 1.0 0.0 1.0 0.5	1.0 0.7 0.0 1.0 0.7
6	ZIDUA	4.17 SC		2.5 oz/a		PRE A 106 201 312 407 Mean =	0.0 1.0 0.0 0.0 0.3	0.3 0.3 0.0 0.0 0.2
7	ZIDUA	4.17 SC		5.0 oz/a		PRE A 107 202 308 415 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.3 0.0 0.1
8	ANTHEM FLEX	4 SC		3.0 oz/a		PRE A 108 214 307 408 Mean =	0.0 0.0 2.0 0.0 0.5	0.0 0.0 1.0 0.3 0.3
9	ANTHEM FLEX	4 SC		6.0 oz/a		PRE A 109 208 303 409 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.0 0.0 0.1
10	OUTLOOK	6 EC		12.8 oz/a		PRE A 110 206 301 414 Mean =	0.0 0.0 3.0 0.0 0.8	0.0 0.0 1.0 0.0 0.3

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY

Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval								AMAPA ----- PLTS/FT2 Oct-25-22 29 DA-A	AMAPA ----- AVERAGE PLTS/FT2 Oct-25-22 29 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code Plot	11	12
11	OUTLOOK	6	EC	25.6	oz/a	PRE	A 111 215 304 412 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
12	TRICOR	4	F	8.0	oz/a	PRE	A 112 210 309 401 Mean =	1.0 0.0 1.0 0.0 0.5	0.7 0.7 0.3 0.3 0.5
13	TRICOR	4	F	16.0	oz/a	PRE	A 113 212 315 406 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.3 0.3 0.3
14	VALOR EZ2	4	SC	3.0	oz/a	PRE	A 114 203 302 411 Mean =	0.0 0.0 0.0 0.0 0.0	0.3 0.0 0.0 0.0 0.1
15	VALOR EZ2	4	SC	6.0	oz/a	PRE	A 115 213 305 402 Mean =	1.0 0.0 0.0 0.0 0.3	0.3 0.0 0.0 0.0 0.1

University of Georgia

GROUP 15 HERBICIDE ASSESSMENT IN GROWERS FIELD

BARE-GROUND/NON-CROP

Trial ID: RD-01-22

Study Dir.: M. DOWDY/J.DAWSON/R. DOWDY

Location: BROOKS COUNTY Investigator: Eric P. Prostko

ARM Action Codes $T1 = ([C1] + [C2] + [C3]) / 3$ $T2 = ([C5] + [C6] + [C7]) / 3$ $T3 = ([C9] + [C10] + [C11]) / 3$