University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	206	309	403
2	CALLISTO	4	SC	3.0	oz/a	PRE	A	2.343 mL/mx	1497.7 mL	102	209	310	409
3	IMPACT	2.8	L	1.0	oz/a	PRE	A	0.7812 mL/mx	1499.2 mL	103	204	311	406
4	IMPACT Z	4.26	L	8.0	oz/a	PRE	A	6.249 mL/mx	1493.8 mL	104	208	302	404
5	ANTHEM FLEX	4	L	3.0	oz/a	PRE	A	2.343 mL/mx	1497.7 mL	105	210	307	408
6	LAUDIS	3.5	SL	3.0	oz/a	PRE	A	2.343 mL/mx	1497.7 mL	106	205	304	402
7	PROWL H20	3.8	AS	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	107	211	301	405
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	12.5 mL/mx	1487.5 mL	108	203	305	401
9	ZIDUA	4.17	SC	2.5	oz/a	PRE	A	1.953 mL/mx	1498.0 mL	109	207	312	411
10	WARRANT	3	ME	48.0	oz/a	PRE	A	37.5 mL/mx	1462.5 mL	110	212	306	412
11	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	111	202	308	407
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	9.999 mL/mx	1490.0 mL	112	201	303	410

Sort Order: Treatment

Trial Comments

CALLISTO = MESOTRIONE
IMPACT = TOPRAMEZONE
LAUDIS = TEMBOTRIONE
IMPACT Z = TOPRAMEZONE (0.26 LBS/GAL) + ATRAZINE (4 LB/GAL)
ANTHEM FLEX 4SE = PYROXASULFONE (3.733 LBS/GAL) + CARFENTRAZONE (0.267 LBS/GAL)

LAST TILLAGE ON MARCH 22, 2021

ANNUAL GRASS: A NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TEXAS PANICUM, CRABGRASS, GOOSEGRASS,CROWFOOTGRASS.

SUMMARY:

1) FROM WEED CONTROL RATINGS OBTAINED ON APRIL 27 (31 DAT), THE FOLLOWING OBSERVATIONS WERE MADE:

A) ALL TREATMENTS PROVIDED AT LEAST 94% CONTROL OF PALMER AMARANTH. ATRAZINE WAS SLIGHTLY LESS EFFECTIVE THAN ALL TREATMENTS EXCEPT PROWL H20.

B) WILD RADISH CONTROL WAS LESS THAN 70% WITH ALL TREATMENTS. ANTHEM FLEX AND ZIDUA PROVIDED BETTER CONTROL OF WILD RADISH THAN PROWL H20, DUAL MAGNUM OR OUTLOOK. IMPACT WAS LESS EFFECTIVE ON WILD RADISH THAN LAUDIS OR CALLISTO.

C) ANNUAL GRASS CONTROL WITH RESIDUAL GRASS HERBICIDES WAS AS FOLLOWS:

PROWL H20 = ANTHEM FLEX
PROWL H20 > ZIDUA
PROWL > DUAL II MAGNUM, OUTLOOK, AND WARRANT
ANTHEM FLEX = ZIDUA = DUAL II MAGNUM
ANTHEM FLEX > OUTLOOK AND WARRANT
ZIDUA = DUAL II MAGNUM = OUTLOOK
ZIDUA > WARRANT
DUAL II MAGNUM = OUTLOOK
DUAL II MAGNUM > WARRANT
OUTLOOK = WARRANT

D) NO SIGNIFICANT DIFFERENCES IN ANNUAL GRASS CONTROL WERE OBSERVED BETWEEN CALLISTO, IMPACT, IMPACT Z AND LAUDIS.

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: FULMER **Title:** _____
Affiliation: _____ **Postal Code:** _____

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

Trial Status: E **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 TX PANIC/CROW/CRAB/GOOSE
Weed 3. RAPRA WILD RADISH **4.** _____ _____

Crop 1: _____ BAREGROUND **Variety:** _____ **Planting Date:** _____
Planting Method: _____ **Rate:** _____ _____ **Depth:** ____ __
Perennial Age: ____ _____ **Row Spacing:** ____ _____ **Seed Bed:** _____
Soil Temperature: ____ _ **Soil Moisture:** _____ **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL
Trial Initiation Comments: _____
_____

Previous: Crops	Pesticides	Year
1. FALLOW		

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.48 **% Sand:** 94 **% Silt:** 2 **% Clay:** 4
pH: 6.0 **CEC:** 1.9 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-24-21	_____	0.4	IN	SPRINKLER - LATERAL MOVE	_____	___
2.	Mar-28-21	_____	0.1	IN	RAINFALL	_____	___
3.	Mar-31-21	_____	0.8	IN	RAINFALL	_____	___
4.	Apr-9-21	_____	0.27	IN	RAINFALL	_____	___
5.	Apr-10-21	_____	0.05	IN	RAINFALL	_____	___
6.	Apr-11-21	_____	0.08	IN	RAINFALL	_____	___
7.	_____	_____	_____	IN	_____	_____	___
8.	_____	_____	_____	IN	_____	_____	___
9.	_____	_____	_____	IN	_____	_____	___
10.	_____	_____	_____	IN	_____	_____	___
11.	_____	_____	_____	IN	_____	_____	___
12.	_____	_____	_____	IN	_____	_____	___
13.	_____	_____	_____	IN	_____	_____	___

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** _____ **Unit:** __

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Mar-23-21					
Time of Day:	7:52 am					
Application Method:	BROADCAST					
Application Timing:	PRE					
Applic. Placement:	SOIL					
Air Temp., Unit:	56 F					
% Relative Humidity:	92					
Wind Velocity, Unit:	2 MPH					
Dew Presence (Y/N):	n					
Water Hardness:	--					
Soil Temp., Unit:	60 F					
Soil Moisture:	OPTIMUM					
% Cloud Cover:	100					

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:						
Stage Scale:						
Height, Unit:						

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Stage: AMAPA						
Stage Scale:						
Density, Unit:						
Weed 2 Stage: AGRASS						
Stage Scale:						
Density, Unit:						
Weed 3 Stage: RAPRA						
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK					
Operating Pressure:	35					
Nozzle Type:	AIXR					
Nozzle Size:	11002					
Nozzle Spacing, Unit:	15 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

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
	Weed Code							Amapa	Rapra	Agrass	Amapa	Rapra	Agrass	Amapa
	Crop Code							-----	-----	-----	-----	-----	----	----
	Part Rated													
	Rating Data Type							Control	Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	Percen	%	%
	Rating Date							Apr-6-21	Apr-6-21	Apr-6-21	Apr-14-21	Apr-14-21	Apr-14-21	Apr-27-21
1	NTC							0.0 b	0.0 e	0.0 f	0.0 d	0.0 e	0.0 f	0.0 d
2	CALLISTO	4	SC	3.0	oz/a	PRE	A	99.0 a	99.0 a	89.5 bcd	99.0 a	92.0 ab	62.5 cd	99.0 a
3	IMPACT	2.8	L	1.0	oz/a	PRE	A	99.0 a	67.3 bc	82.5 de	99.0 a	56.0 bcd	57.5 de	99.0 a
4	IMPACT Z	4.26	L	8.0	oz/a	PRE	A	99.0 a	96.8 ab	86.3 cde	99.0 a	92.0 ab	67.5 c	99.0 a
5	ANTHEM FLEX	4	L	3.0	oz/a	PRE	A	99.0 a	99.0 a	95.8 ab	99.0 a	74.3 abc	88.8 ab	99.0 a
6	LAUDIS	3.5	SL	3.0	oz/a	PRE	A	99.0 a	99.0 a	95.8 ab	99.0 a	74.3 abc	58.8 de	98.0 ab
7	PROWL H20	3.8	AS	32.0	oz/a	PRE	A	99.0 a	24.8 de	99.0 a	96.0 c	24.8 de	96.0 a	95.8 bc
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	99.0 a	43.8 cd	95.8 ab	99.0 a	40.0 cd	87.5 b	99.0 a
9	ZIDUA	4.17	SC	2.5	oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	97.0 a	81.3 b	99.0 a
10	WARRANT	3	ME	48.0	oz/a	PRE	A	99.0 a	0.0 e	91.0 abc	99.0 a	0.0 e	62.5 cd	99.0 a
11	ATRAZINE	4	L	32.0	oz/a	PRE	A	99.0 a	99.0 a	81.0 e	98.0 b	69.5 abc	51.3 e	94.5 c
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	99.0 a	68.3 abc	99.0 a	99.0 a	31.3 de	82.5 b	99.0 a
	LSD P=.10							.	31.72	8.40	0.96	36.79	7.93	2.90
	Standard Deviation							0.00	26.50	7.02	0.80	30.75	6.63	2.42
	CV							0.0	39.97	8.31	0.89	56.68	9.99	2.69
	Grand Mean							90.75	66.31	84.54	90.42	54.25	66.33	90.02
	Bartlett's X2^							.	23.931	24.957	46.674	4.243	16.235	83.96
	P(Bartlett's X2)							.	0.013*	0.009*	0.00*	0.962	0.133	0.00*

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.
Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.
^Calculated from residual.

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Rapra ---- Control % Apr-27-21 8	Agrass ---- Control % Apr-27-21 9
1	NTC							0.0 d	0.0 h
2	CALLISTO	4	SC	3.0	oz/a	PRE	A	59.8 abc	22.5 fg
3	IMPACT	2.8	L	1.0	oz/a	PRE	A	16.3 d	40.0 def
4	IMPACT Z	4.26	L	8.0	oz/a	PRE	A	62.3 ab	32.5 efg
5	ANTHEM FLEX	4	L	3.0	oz/a	PRE	A	69.8 a	82.5 ab
6	LAUDIS	3.5	SL	3.0	oz/a	PRE	A	66.0 ab	35.0 efg
7	PROWL H20	3.8	AS	32.0	oz/a	PRE	A	29.8 bcd	94.8 a
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	31.3 a-d	72.5 bc
9	ZIDUA	4.17	SC	2.5	oz/a	PRE	A	69.8 a	71.3 bc
10	WARRANT	3	ME	48.0	oz/a	PRE	A	5.0 d	48.8 de
11	ATRAZINE	4	L	32.0	oz/a	PRE	A	65.8 ab	16.3 gh
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	22.5 cd	55.0 cd
LSD P=.10								39.58	19.58
Standard Deviation								33.07	16.36
CV								79.7	34.39
Grand Mean								41.50	47.58
Bartlett's X2^								6.849	6.726
P(Bartlett's X2)								0.811	0.821

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.
Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.
^Calculated from residual.

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-6-21 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35937.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	35937.000000	3267.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-6-21 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	97054.312500			
Replicate	3	4653.229167	1551.076389	2.208	0.1057
Treatment	11	69218.562500	6292.596591	8.957	0.0001
Error	33	23182.520833	702.500631		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-6-21 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	34751.916667			
Replicate	3	175.416667	58.472222	1.186	0.3302
Treatment	11	32948.916667	2995.356061	60.732	0.0001
Error	33	1627.583333	49.320707		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-14-21 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35731.666667			
Replicate	3	2.666667	0.888889	1.375	0.2675
Treatment	11	35707.666667	3246.151515	5021.391	0.0001
Error	33	21.333333	0.646465		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percen Apr-14-21 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	97999.000000			
Replicate	3	13993.500000	4664.500000	4.934	0.0061
Treatment	11	52807.000000	4800.636364	5.078	0.0001
Error	33	31198.500000	945.409091		

Randomized Complete Block (RCB) AOV For Agrass ---- Control % Apr-14-21 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	30320.666667			
Replicate	3	436.833333	145.611111	3.314	0.0318
Treatment	11	28433.666667	2584.878788	58.822	0.0001
Error	33	1450.166667	43.944444		

Randomized Complete Block (RCB) AOV For Amapa ---- Control % Apr-27-21 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35658.979167			
Replicate	3	4.229167	1.409722	0.240	0.8675
Treatment	11	35461.229167	3223.748106	549.727	0.0001
Error	33	193.520833	5.864268		

Randomized Complete Block (RCB) AOV For Rapra ---- Control % Apr-27-21 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	85340.000000			
Replicate	3	17865.166667	5955.055556	5.444	0.0037
Treatment	11	31377.000000	2852.454545	2.608	0.0164
Error	33	36097.833333	1093.873737		

Randomized Complete Block (RCB) AOV For Agrass ---- Control % Apr-27-21 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	47645.666667			
Replicate	3	2810.166667	936.722222	3.498	0.0262
Treatment	11	35998.666667	3272.606061	12.221	0.0001
Error	33	8836.833333	267.782828		

Weed Code
Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Amapa ----- Control % Apr-6-21 1	Rapra ----- Control % Apr-6-21 2	Agrass ----- Control % Apr-6-21 3	Amapa ----- Control % Apr-14-21 4	Rapra ----- Control Percen Apr-14-21 5	Agrass ---- Control % Apr-14-21 6
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0
								206	0.0	0.0	0.0	0.0	0.0	0.0
								309	0.0	0.0	0.0	0.0	0.0	0.0
								403	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	CALLISTO	4	SC	3.0	oz/a	PRE	A	102	99.0	99.0	85.0	99.0	85.0	65.0
								209	99.0	99.0	99.0	99.0	99.0	60.0
								310	99.0	99.0	99.0	99.0	85.0	65.0
								409	99.0	99.0	75.0	99.0	99.0	60.0
								Mean =	99.0	99.0	89.5	99.0	92.0	62.5
3	IMPACT	2.8	L	1.0	oz/a	PRE	A	103	99.0	85.0	85.0	99.0	75.0	65.0
								204	99.0	0.0	90.0	99.0	0.0	50.0
								311	99.0	85.0	90.0	99.0	50.0	65.0
								406	99.0	99.0	65.0	99.0	99.0	50.0
								Mean =	99.0	67.3	82.5	99.0	56.0	57.5
4	IMPACT Z	4.26	L	8.0	oz/a	PRE	A	104	99.0	90.0	85.0	99.0	85.0	75.0
								208	99.0	99.0	90.0	99.0	99.0	65.0
								302	99.0	99.0	85.0	99.0	85.0	65.0
								404	99.0	99.0	85.0	99.0	99.0	65.0
								Mean =	99.0	96.8	86.3	99.0	92.0	67.5
5	ANTHEM FLEX	4	L	3.0	oz/a	PRE	A	105	99.0	99.0	90.0	99.0	99.0	95.0
								210	99.0	99.0	99.0	99.0	0.0	90.0
								307	99.0	99.0	95.0	99.0	99.0	90.0
								408	99.0	99.0	99.0	99.0	99.0	80.0
								Mean =	99.0	99.0	95.8	99.0	74.3	88.8
6	LAUDIS	3.5	SL	3.0	oz/a	PRE	A	106	99.0	99.0	99.0	99.0	99.0	70.0
								205	99.0	99.0	99.0	99.0	0.0	50.0
								304	99.0	99.0	90.0	99.0	99.0	50.0
								402	99.0	99.0	95.0	99.0	99.0	65.0
								Mean =	99.0	99.0	95.8	99.0	74.3	58.8
7	PROWL H20	3.8	AS	32.0	oz/a	PRE	A	107	99.0	0.0	99.0	95.0	0.0	95.0
								211	99.0	0.0	99.0	95.0	0.0	95.0
								301	99.0	0.0	99.0	99.0	0.0	99.0
								405	99.0	99.0	99.0	95.0	99.0	95.0
								Mean =	99.0	24.8	99.0	96.0	24.8	96.0
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	99.0	90.0	99.0	99.0	85.0	80.0
								203	99.0	0.0	90.0	99.0	0.0	90.0
								305	99.0	85.0	95.0	99.0	75.0	90.0
								401	99.0	0.0	99.0	99.0	0.0	90.0
								Mean =	99.0	43.8	95.8	99.0	40.0	87.5
9	ZIDUA	4.17	SC	2.5	oz/a	PRE	A	109	99.0	99.0	99.0	99.0	95.0	80.0
								207	99.0	99.0	99.0	99.0	99.0	95.0
								312	99.0	99.0	99.0	99.0	95.0	85.0
								411	99.0	99.0	99.0	99.0	99.0	65.0
								Mean =	99.0	99.0	99.0	99.0	97.0	81.3
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	99.0	0.0	85.0	99.0	0.0	65.0
								212	99.0	0.0	99.0	99.0	0.0	65.0
								306	99.0	0.0	95.0	99.0	0.0	60.0
								412	99.0	0.0	85.0	99.0	0.0	60.0
								Mean =	99.0	0.0	91.0	99.0	0.0	62.5
11	ATRAZINE	4	L	32.0	oz/a	PRE	A	111	99.0	99.0	99.0	95.0	80.0	65.0
								202	99.0	99.0	65.0	99.0	0.0	50.0
								308	99.0	99.0	85.0	99.0	99.0	50.0
								407	99.0	99.0	75.0	99.0	99.0	40.0
								Mean =	99.0	99.0	81.0	98.0	69.5	51.3

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
	Weed Code								Amapa	Rapra	Agrass	Amapa	Rapra	Agrass
	Crop Code								-----	-----	-----	-----	-----	----
	Part Rated													
	Rating Data Type								Control	Control	Control	Control	Control	Control
	Rating Unit								%	%	%	%	Percen	%
	Rating Date								Apr-6-21	Apr-6-21	Apr-6-21	Apr-14-21	Apr-14-21	Apr-14-21
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	99.0	75.0	99.0	99.0	50.0	85.0
								201	99.0	0.0	99.0	99.0	0.0	85.0
								303	99.0	99.0	99.0	99.0	75.0	90.0
								410	99.0	99.0	99.0	99.0	0.0	70.0
								Mean =	99.0	68.3	99.0	99.0	31.3	82.5

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Amapa ---- Control % Apr-27-21 7	Rapra ---- Control % Apr-27-21 8	Agrass ---- Control % Apr-27-21 9
1	NTC							101	0.0	0.0	0.0
								206	0.0	0.0	0.0
								309	0.0	0.0	0.0
								403	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0
2	CALLISTO	4	SC	3.0	oz/a	PRE	A	102	99.0	90.0	30.0
								209	99.0	0.0	20.0
								310	99.0	50.0	40.0
								409	99.0	99.0	0.0
								Mean =	99.0	59.8	22.5
3	IMPACT	2.8	L	1.0	oz/a	PRE	A	103	99.0	65.0	50.0
								204	99.0	0.0	30.0
								311	99.0	0.0	60.0
								406	99.0	0.0	20.0
								Mean =	99.0	16.3	40.0
4	IMPACT Z	4.26	L	8.0	oz/a	PRE	A	104	99.0	65.0	30.0
								208	99.0	0.0	20.0
								302	99.0	85.0	30.0
								404	99.0	99.0	50.0
								Mean =	99.0	62.3	32.5
5	ANTHEM FLEX	4	L	3.0	oz/a	PRE	A	105	99.0	85.0	85.0
								210	99.0	0.0	95.0
								307	99.0	95.0	85.0
								408	99.0	99.0	65.0
								Mean =	99.0	69.8	82.5
6	LAUDIS	3.5	SL	3.0	oz/a	PRE	A	106	95.0	80.0	50.0
								205	99.0	0.0	20.0
								304	99.0	85.0	20.0
								402	99.0	99.0	50.0
								Mean =	98.0	66.0	35.0
7	PROWL H20	3.8	AS	32.0	oz/a	PRE	A	107	99.0	0.0	99.0
								211	99.0	0.0	95.0
								301	90.0	20.0	90.0
								405	95.0	99.0	95.0
								Mean =	95.8	29.8	94.8
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	99.0	75.0	65.0
								203	99.0	0.0	65.0
								305	99.0	50.0	85.0
								401	99.0	0.0	75.0
								Mean =	99.0	31.3	72.5
9	ZIDUA	4.17	SC	2.5	oz/a	PRE	A	109	99.0	90.0	85.0
								207	99.0	99.0	75.0
								312	99.0	90.0	75.0
								411	99.0	0.0	50.0
								Mean =	99.0	69.8	71.3
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	99.0	0.0	75.0
								212	99.0	0.0	50.0
								306	99.0	20.0	20.0
								412	99.0	0.0	50.0
								Mean =	99.0	5.0	48.8
11	ATRAZINE	4	L	32.0	oz/a	PRE	A	111	95.0	65.0	65.0
								202	85.0	0.0	0.0
								308	99.0	99.0	0.0
								407	99.0	99.0	0.0
								Mean =	94.5	65.8	16.3

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID: CN-01-21 Study Dir.: ABBY NORMAL FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code								Amapa	Rapra	Agrass
Crop Code								----	----	----
Part Rated										
Rating Data Type								Control	Control	Control
Rating Unit								%	%	%
Rating Date								Apr-27-21	Apr-27-21	Apr-27-21
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	7	8	9
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	99.0	40.0	85.0
								201	99.0	0.0	50.0
								303	99.0	50.0	65.0
								410	99.0	0.0	20.0
								Mean =	99.0	22.5	55.0

University of Georgia

RESIDUAL WEED CONTROL WITH FIELD CORN HPPD/GROUP 15 HERBICIDES
BARE-GROUND/NON-CROP (YEAR 4)

Trial ID:	CN-01-21	Study Dir.:	ABBY NORMAL FULMER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code
Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.