

University of Georgia

GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF REXAVOR AND BRAKE
 YEAR 2 (WEED-FREE)
 Trial ID: PE-04-23 Study Dir.: K. BRISCOE/N. SHAY
 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	Amt Product to Measure	Diluent	Rep			
								1	2	3	4
1	NTC						-	101	202	306	401
2	REXOVOR (BAS85001H)	4.17	SC	1.03	oz/a	0.8047 mL/mx	1499.2 mL	102	204	303	407
3	REXOVOR	4.17	SC	2.06	oz/a	1.609 mL/mx	1498.4 mL	103	206	307	406
4	REXOVOR	4.17	SC	4.12	oz/a	3.219 mL/mx	1496.8 mL	104	201	305	404
5	BRAKE	1.2	SL	12.0	oz/a	9.375 mL/mx	1490.6 mL	105	203	301	402
6	BRAKE	1.2	SL	24.0	oz/a	18.75 mL/mx	1481.3 mL	106	207	304	405
7	BRAKE	1.2	SL	48.0	oz/a	37.5 mL/mx	1462.5 mL	107	205	302	403

Sort Order: Replicate 1

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Trial Comments

MAINTAINED WEED-FREE

PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE (APRIL 26)
CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A - MAY 25
SELECT MAX @ 16 OZ/A + DUAL AMGNUM @ 16 OZ/A - JUNE 28

DIGGING DATE: 09/18/23 (147 DAYS)
HARVEST DATE: 09/21/23
HARVEST MOISTURE: 24.0%
YIELDS ADJUSTED TO 10%.
2% YIELD DEDUCTION FOR FM.

SUMMARY:

- 1) PRE APPLICATIONS OF REXOVAR OR BRAKE HAD NO EFFECT ON PEANUT STAND (P=0.662).
- 2) REXOVAR CAUSED TRANSIENT STUNTING AND LEAF NECROSIS WITH MORE INJURY OBSERVED AT THE 4.12 OZ/A RATE (4X RATE).
- 3) BRAKE CAUSED TRANSIENT STUNTING AND BLEACHING WITH MORE INJURY OBSERVED AT THE 48 OZ/A (4X RATE).
- 4) PEANUT YIELDS WERE NOT EFFECTED BY ANY RATE OF REXAVOR OR BRAKE (P=0.1760)

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 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: K. BRISCOE 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: ARAHY PEANUT Variety: GA-12Y
 Planting Date: Apr-25-23 Planting Method: MONOSEM TWIN ROW
 Rate: 4 SEED/FT Depth: 2 IN Perennial Age: _____
 Row Spacing: _____ Spacing Within Row: _____ Seed Bed: _____
 Soil Temperature: _____ Soil Moisture: DRY Emergence Date: _____

SITE AND DESIGN

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	Previous Pesticides	Year
1.	SORGHUM		2022

MAINTENANCE
 Field Prep./Maintenance: 300 LBS/A 5-10-15 PREPLANT
 THIMET INFR @ 7 LBS/A
 36"-9" TWIN ROWS
 RANCONA VPD SEED TRT
 1 TON/A LIME - PREPLANT
 1500 LBS/A GYPSUM - JUNE 5

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

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Location:	PONDER FARM	Investigator:	Eric P. Prostko

SOIL DESCRIPTION

% Sand: 92	% OM: 0.77	Texture:	SAND
% Silt: 6	pH: 6.0	Soil Name:	TIFTON
% Clay: 2	CEC: 2.6	Fert. Level:	GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit	

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-26-23		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-27-23		1.0	IN	RAINFALL		
3.	Apr-29-23		0.65	IN	RAINFALL		
4.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
5.	May-12-23		2.5	IN	RAINFALL		
6.	May-20-23		0.1	IN	RAINFALL		
7.	May-22-23		0.75	IN	RAINFALL		
8.	May-23-23		0.3	IN	RAINFALL		
9.	May-30-23		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	Jun-7-23		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	Jun-7-23		0.5	IN	RAINFALL		
12.	Jun-12-23		0.65	IN	RAINFALL		
13.	Jun-13-23		0.60	IN	RAINFALL		
14.	Jun-14-23		2.0	IN	RAINFALL		
15.	Jun-15-23		2.2	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A
Application Date:	Apr-26-23
Time of Day:	7:15 AM
Application Method:	BROADCAST
Application Timing:	PRE
Applic. Placement:	SOIL
Air Temp., Unit:	63 F
% Relative Humidity:	90
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	
Water Hardness:	--
Soil Temp., Unit:	68 F
Soil Moisture:	DRY
% Cloud Cover:	100

CROP STAGE AT EACH APPLICATION

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

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Trial ID:	PE-04-23	Study Dir.:	K. BRISCOE/N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

WEED STAGE AT EACH APPLICATION	
	A
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

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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Trial ID:	PE-04-23	Study Dir.:	K. BRISCOE/N. SHAY									
Location:	PONDER FARM	Investigator:	Eric P. Prostko									

Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy			
Part Rated	PLANT, -	Stunting	Bleaching	Necrosis	Stunting	Bleaching	Necrosis	Stunting	Bleaching	Necrosis	Necrosis			
Rating Data Type	STAND	%	%	%	%	%	%	%	%	%	%			
Rating Unit	#/5 FT													
Rating Date	May-10-23	May-10-23	May-10-23	May-10-23	May-19-23	May-19-23	May-19-23	May-19-23	Jun-1-23	Jun-1-23	Jun-1-23			
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	23 DA-A	23 DA-A	23 DA-A	23 DA-A	36 DA-A	36 DA-A	36 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	1	2	3	4	5	6	7	8	9	10
1	NTC				28.8 -	0.0 d	0.0 b	0.0 b	0.0 c	0.0 d	0.0 d	0.0 b	0.0 d	0.0 -
2	REXOVOR (BAS85001H)	4.17	SC	1.03 oz/a	29.3 -	7.5 bc	1.3 b	1.3 b	7.5 b	0.0 d	0.0 d	0.0 b	0.0 d	0.0 -
3	REXOVOR	4.17	SC	2.06 oz/a	30.3 -	10.0 b	0.0 b	2.5 b	6.3 b	0.0 d	7.5 c	1.3 b	0.0 d	0.0 -
4	REXOVOR	4.17	SC	4.12 oz/a	28.0 -	27.5 a	0.0 b	10.0 a	40.0 a	0.0 d	30.0 a	33.8 a	0.0 d	0.0 -
5	BRAKE	1.2	SL	12.0 oz/a	29.3 -	3.8 cd	0.0 b	1.3 b	5.0 b	2.5 c	1.3 d	0.0 b	3.8 c	0.0 -
6	BRAKE	1.2	SL	24.0 oz/a	28.0 -	5.0 c	2.5 b	0.0 b	7.5 b	7.5 b	1.3 d	1.3 b	10.0 b	0.0 -
7	BRAKE	1.2	SL	48.0 oz/a	28.8 -	7.5 bc	7.5 a	0.0 b	5.0 b	23.8 a	17.5 b	0.0 b	25.0 a	0.0 -
LSD P=.10					2.34	4.87	3.64	2.97	4.84	1.93	2.65	2.73	2.08	.
Standard Deviation					1.91	3.97	2.97	2.42	3.95	1.57	2.16	2.23	1.70	0.00
CV					6.61	45.39	184.89	112.9	38.77	32.66	26.29	43.01	30.64	0.0
Grand Mean					28.89	8.75	1.61	2.14	10.18	4.82	8.21	5.18	5.54	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 10 because error mean square = 0.
 ^Calculated from residual.

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Crop Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY	ARAHY	ARAHY	ARAHY	
Part Rated				Stunting	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG	DIRTY, -	CLEAN, -	CLEAN, -	
Rating Data Type				%	In	In	In	In	In	INCHES	YIELD	YIELD	YIELD	
Rating Unit				90 DA-A	103 DA-A	103 DA-A	103 DA-A	103 DA-A	103 DA-A	103 DA-A	LBS/PLOT	LBS/PLOT	LBS/A	
Rating Date				Jul-25-23	Aug-7-23	Aug-7-23	Aug-7-23	Aug-7-23	Aug-7-23	Aug-7-23	Sep-21-23	Sep-21-23	Sep-21-23	
Trt-Eval Interval				90 DA-A	103 DA-A	103 DA-A	103 DA-A	103 DA-A	103 DA-A	103 DA-A	148 DA-A	148 DA-A	148 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	11	12	13	14	15	16	17	18	19	20
1	NTC				0.0 b	19.75 a	20.38 ab	20.88 -	21.00 -	21.00 -	20.6 ab	24.00 -	23.5 -	5768 -
2	REXOVOR (BAS85001H)	4.17	SC	1.03 oz/a	0.0 b	22.75 a	21.00 ab	20.50 -	21.13 -	20.00 -	21.1 ab	22.35 -	21.9 -	5371 -
3	REXOVOR	4.17	SC	2.06 oz/a	2.5 b	21.00 a	18.38 bc	21.25 -	21.50 -	20.50 -	20.5 ab	20.93 -	20.5 -	5029 -
4	REXOVOR	4.17	SC	4.12 oz/a	13.8 a	11.13 b	17.63 c	19.13 -	18.63 -	18.13 -	16.9 c	19.58 -	19.2 -	4704 -
5	BRAKE	1.2	SL	12.0 oz/a	0.0 b	19.88 a	18.75 bc	20.88 -	21.75 -	20.00 -	20.3 b	21.83 -	21.4 -	5245 -
6	BRAKE	1.2	SL	24.0 oz/a	1.3 b	21.25 a	22.25 a	21.25 -	21.50 -	21.00 -	21.5 a	21.83 -	21.4 -	5245 -
7	BRAKE	1.2	SL	48.0 oz/a	3.8 b	20.00 a	18.88 bc	20.75 -	20.75 -	19.88 -	20.1 b	19.98 -	19.6 -	4800 -
LSD P=.10				3.86	3.892	2.695	2.304	2.015	1.965	1.17	2.818	2.76	677.2	
Standard Deviation				3.15	3.174	2.198	1.879	1.644	1.603	0.95	2.298	2.25	552.3	
CV				103.75	16.37	11.21	9.1	7.87	7.98	4.73	10.69	10.69	10.69	
Grand Mean				3.04	19.393	19.607	20.661	20.893	20.071	20.13	21.496	21.07	5166.1	

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

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Trial ID:	PE-04-23	Study Dir.:	K. BRISCOE/N. SHAY			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For Arah PLANT STAND #/5 FT May-10-23 14 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	106.678571				
Replicate	3	26.107143	8.702381	2.386	0.1029	
Treatment	6	14.928571	2.488095	0.682	0.6662	
Error	18	65.642857	3.646825			
Randomized Complete Block (RCB) AOV For Arah Stunting % May-10-23 14 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	2331.250000				
Replicate	3	159.821429	53.273810	3.377	0.0412	
Treatment	6	1887.500000	314.583333	19.943	0.0001	
Error	18	283.928571	15.773810			
Randomized Complete Block (RCB) AOV For Arah Bleaching % May-10-23 14 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	352.678571				
Replicate	3	9.821429	3.273810	0.371	0.7750	
Treatment	6	183.928571	30.654762	3.472	0.0186	
Error	18	158.928571	8.829365			
Randomized Complete Block (RCB) AOV For Arah Necrosis % May-10-23 14 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	421.428571				
Replicate	3	7.142857	2.380952	0.407	0.7500	
Treatment	6	308.928571	51.488095	8.797	0.0001	
Error	18	105.357143	5.853175			
Randomized Complete Block (RCB) AOV For Arah Stunting % May-19-23 23 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	4674.107143				
Replicate	3	88.392857	29.464286	1.892	0.1672	
Treatment	6	4305.357143	717.559524	46.070	0.0001	
Error	18	280.357143	15.575397			
Randomized Complete Block (RCB) AOV For Arah Bleaching % May-19-23 23 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	1924.107143				
Replicate	3	24.107143	8.035714	3.240	0.0465	
Treatment	6	1855.357143	309.226190	124.680	0.0001	
Error	18	44.642857	2.480159			
Randomized Complete Block (RCB) AOV For Arah Necrosis % May-19-23 23 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	3260.714286				
Replicate	3	3.571429	1.190476	0.255	0.8565	
Treatment	6	3173.214286	528.869048	113.426	0.0001	
Error	18	83.928571	4.662698			
Randomized Complete Block (RCB) AOV For Arah Stunting % Jun-1-23 36 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	3924.107143				
Replicate	3	16.964286	5.654762	1.140	0.3597	
Treatment	6	3817.857143	636.309524	128.280	0.0001	
Error	18	89.285714	4.960317			
Randomized Complete Block (RCB) AOV For Arah Bleaching % Jun-1-23 36 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	2166.964286				
Replicate	3	16.964286	5.654762	1.966	0.1553	
Treatment	6	2098.214286	349.702381	121.552	0.0001	
Error	18	51.785714	2.876984			
Randomized Complete Block (RCB) AOV For Arah Necrosis % Jun-1-23 36 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	27	0.000000000000				
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000	
Treatment	6	0.000000000000	0.000000000000	0.000	1.0000	
Error	18	0.000000000000	0.000000000000			

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Location:	PONDER FARM	Investigator:	Eric P. Prostko

Randomized Complete Block (RCB) AOV For ArahY Stunting % Jul-25-23 90 DA-A (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	816.964286			
Replicate	3	52.678571	17.559524	1.770	0.1889
Treatment	6	585.714286	97.619048	9.840	0.0001
Error	18	178.571429	9.920635		

Randomized Complete Block (RCB) AOV For ArahY Hgt1 In Aug-7-23 103 DA-A (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	536.678571			
Replicate	3	9.750000	3.250000	0.323	0.8090
Treatment	6	345.553571	57.592262	5.716	0.0018
Error	18	181.375000	10.076389		

Randomized Complete Block (RCB) AOV For ArahY Hgt2 In Aug-7-23 103 DA-A (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	179.178571			
Replicate	3	27.321429	9.107143	1.886	0.1682
Treatment	6	64.928571	10.821429	2.241	0.0863
Error	18	86.928571	4.829365		

Randomized Complete Block (RCB) AOV For ArahY Hgt3 In Aug-7-23 103 DA-A (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	90.526786			
Replicate	3	14.241071	4.747024	1.344	0.2915
Treatment	6	12.714286	2.119048	0.600	0.7268
Error	18	63.571429	3.531746		

Randomized Complete Block (RCB) AOV For ArahY Hgt4 In Aug-7-23 103 DA-A (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	80.178571			
Replicate	3	4.750000	1.583333	0.586	0.6319
Treatment	6	26.803571	4.467262	1.654	0.1900
Error	18	48.625000	2.701389		

Randomized Complete Block (RCB) AOV For ArahY Hgt5 In Aug-7-23 103 DA-A (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	94.857143			
Replicate	3	25.642857	8.547619	3.328	0.0430
Treatment	6	22.982143	3.830357	1.491	0.2369
Error	18	46.232143	2.568452		

Randomized Complete Block (RCB) AOV For ARAHY HGT-AVG INCHES Aug-7-23 103 DA-A (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	77.112500			
Replicate	3	7.563929	2.521310	2.779	0.0709
Treatment	6	53.220000	8.870000	9.778	0.0001
Error	18	16.328571	0.907143		

Randomized Complete Block (RCB) AOV For ARAHY DIRTY YIELD LBS/PLOT Sep-21-23 148 DA-A (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	170.649643			
Replicate	3	21.398214	7.132738	1.350	0.2896
Treatment	6	54.182143	9.030357	1.710	0.1760
Error	18	95.069286	5.281627		

Randomized Complete Block (RCB) AOV For ARAHY CLEAN YIELD LBS/PLOT Sep-21-23 148 DA-A (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	163.891917			
Replicate	3	20.550845	6.850282	1.350	0.2896
Treatment	6	52.036530	8.672755	1.710	0.1760
Error	18	91.304542	5.072475		

Randomized Complete Block (RCB) AOV For ARAHY CLEAN YIELD LBS/A Sep-21-23 148 DA-A (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	9855823.667510			
Replicate	3	1235848.040866	411949.346955	1.350	0.2896
Treatment	6	3129274.910788	521545.818465	1.710	0.1760
Error	18	5490700.715855	305038.928659		

Part Rated
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
 Rating Unit
 % = PERCENT
 In = INCH
 ARM Action Codes

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Trial ID:	PE-04-23	Study Dir.:	K. BRISCOE/N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko
T1 = ([12]+[13]+[14]+[15]+[16])/5			
T2 = [18]*0.98			
TY3 = 245.2266667*[19]			

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF REXAVOR AND BRAKE YEAR 2 (WEED-FREE)			
Trial ID:	PE-04-23	Study Dir.:	K. BRISCOE/N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Crop Code			Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated			PLANT, -	Stunting	Bleaching	Necrosis	Stunting	Bleaching	Necrosis	Stunting	Bleaching
Rating Data Type			STAND	%	%	%	%	%	%	%	%
Rating Unit			#/5 FT								
Rating Date			May-10-23	May-10-23	May-10-23	May-10-23	May-19-23	May-19-23	May-19-23	Jun-1-23	Jun-1-23
Trt-Eval Interval			14 DA-A	14 DA-A	14 DA-A	14 DA-A	23 DA-A	23 DA-A	23 DA-A	36 DA-A	36 DA-A
Trt No.	Treatment Name	Form Conc Type Rate Unit Plot	1	2	3	4	5	6	7	8	9
1	NTC	101	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		202	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		306	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		401	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean =	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	REXOVOR (BAS85001H)	4.17 SC 1.03 oz/a 102	30.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
		204	31.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
		303	29.0	5.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0
		407	27.0	10.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0
		Mean =	29.3	7.5	1.3	1.3	7.5	0.0	0.0	0.0	0.0
3	REXOVOR	4.17 SC 2.06 oz/a 103	32.0	10.0	0.0	5.0	10.0	0.0	10.0	5.0	0.0
		206	31.0	0.0	0.0	5.0	10.0	0.0	10.0	0.0	0.0
		307	28.0	15.0	0.0	0.0	5.0	0.0	5.0	0.0	0.0
		406	30.0	15.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
		Mean =	30.3	10.0	0.0	2.5	6.3	0.0	7.5	1.3	0.0
4	REXOVOR	4.17 SC 4.12 oz/a 104	30.0	20.0	0.0	10.0	50.0	0.0	30.0	40.0	0.0
		201	27.0	30.0	0.0	10.0	40.0	0.0	30.0	35.0	0.0
		305	27.0	30.0	0.0	15.0	35.0	0.0	30.0	30.0	0.0
		404	28.0	30.0	0.0	5.0	35.0	0.0	30.0	30.0	0.0
		Mean =	28.0	27.5	0.0	10.0	40.0	0.0	30.0	33.8	0.0
5	BRAKE	1.2 SL 12.0 oz/a 105	29.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	5.0
		203	29.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	5.0
		301	27.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0
		402	32.0	10.0	0.0	5.0	5.0	0.0	5.0	0.0	0.0
		Mean =	29.3	3.8	0.0	1.3	5.0	2.5	1.3	0.0	3.8
6	BRAKE	1.2 SL 24.0 oz/a 106	27.0	0.0	5.0	0.0	5.0	10.0	0.0	0.0	15.0
		207	30.0	10.0	0.0	0.0	5.0	10.0	0.0	0.0	10.0
		304	28.0	5.0	5.0	0.0	15.0	5.0	5.0	5.0	10.0
		405	27.0	5.0	0.0	0.0	5.0	5.0	0.0	0.0	5.0
		Mean =	28.0	5.0	2.5	0.0	7.5	7.5	1.3	1.3	10.0
7	BRAKE	1.2 SL 48.0 oz/a 107	29.0	0.0	0.0	0.0	5.0	25.0	15.0	0.0	25.0
		205	26.0	10.0	15.0	0.0	5.0	25.0	20.0	0.0	25.0
		302	27.0	10.0	5.0	0.0	10.0	20.0	20.0	0.0	25.0
		403	33.0	10.0	10.0	0.0	0.0	25.0	15.0	0.0	25.0
		Mean =	28.8	7.5	7.5	0.0	5.0	23.8	17.5	0.0	25.0

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF REXAVOR AND BRAKE YEAR 2 (WEED-FREE)																
Trial ID:		PE-04-23		Study Dir.:		K. BRISCOE/N. SHAY										
Location:		PONDER FARM		Investigator:		Eric P. Prostko										
Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	Arahy Necrosis % Jun-1-23 36 DA-A	Arahy Stunting % Jul-25-23 90 DA-A	Arahy Hgt1 In Aug-7-23 103 DA-A	Arahy Hgt2 In Aug-7-23 103 DA-A	Arahy Hgt3 In Aug-7-23 103 DA-A	Arahy Hgt4 In Aug-7-23 103 DA-A	Arahy Hgt5 In Aug-7-23 103 DA-A	ARAHY HGT-AVG INCHES Aug-7-23 103 DA-A	ARAHY DIRTY, - YIELD LBS/PLOT Sep-21-23 148 DA-A	ARAHY CLEAN, - YIELD LBS/PLOT Sep-21-23 148 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Plot	10	11	12	13	14	15	16	17	18	19
1	NTC					101	0.0	0.0	19.00	22.00	20.50	22.00	20.50	20.8	26.00	25.5
						202	0.0	0.0	22.00	20.50	22.00	21.50	21.00	21.4	26.30	25.8
						306	0.0	0.0	20.00	20.00	22.00	21.50	22.00	21.1	22.30	21.9
						401	0.0	0.0	18.00	19.00	19.00	19.00	20.50	19.1	21.40	21.0
						Mean =	0.0	0.0	19.75	20.38	20.88	21.00	21.00	20.6	24.00	23.5
2	REXOVOR (BAS85001H)	4.17 SC		1.03 oz/a		102	0.0	0.0	24.00	22.50	20.00	23.00	19.00	21.7	22.00	21.6
						204	0.0	0.0	22.00	23.00	22.00	20.50	19.00	21.3	22.60	22.1
						303	0.0	0.0	22.00	19.00	20.00	21.00	20.00	20.4	24.80	24.3
						407	0.0	0.0	23.00	19.50	20.00	20.00	22.00	20.9	20.00	19.6
						Mean =	0.0	0.0	22.75	21.00	20.50	21.13	20.00	21.1	22.35	21.9
3	REXOVOR	4.17 SC		2.06 oz/a		103	0.0	5.0	20.00	14.00	21.50	21.00	21.00	19.5	18.30	17.9
						206	0.0	0.0	19.00	20.00	21.00	22.00	21.50	20.7	20.50	20.1
						307	0.0	5.0	21.00	18.50	20.50	21.00	20.00	20.2	19.50	19.1
						406	0.0	0.0	24.00	21.00	22.00	22.00	19.50	21.7	25.40	24.9
						Mean =	0.0	2.5	21.00	18.38	21.25	21.50	20.50	20.5	20.93	20.5
4	REXOVOR	4.17 SC		4.12 oz/a		104	0.0	20.0	17.00	14.00	17.00	15.00	13.50	15.3	16.30	16.0
						201	0.0	20.0	16.50	16.50	17.00	18.00	19.50	17.5	21.20	20.8
						305	0.0	10.0	9.00	19.00	20.00	20.00	18.50	17.3	20.80	20.4
						404	0.0	5.0	2.00	21.00	22.50	21.50	21.00	17.6	20.00	19.6
						Mean =	0.0	13.8	11.13	17.63	19.13	18.63	18.13	16.9	19.58	19.2
5	BRAKE	1.2 SL		12.0 oz/a		105	0.0	0.0	20.00	15.00	20.50	21.00	18.00	18.9	20.50	20.1
						203	0.0	0.0	20.00	18.00	22.00	22.00	21.00	20.6	21.20	20.8
						301	0.0	0.0	19.00	20.00	20.00	22.00	18.00	19.8	22.50	22.1
						402	0.0	0.0	20.50	22.00	21.00	22.00	23.00	21.7	23.10	22.6
						Mean =	0.0	0.0	19.88	18.75	20.88	21.75	20.00	20.3	21.83	21.4
6	BRAKE	1.2 SL		24.0 oz/a		106	0.0	0.0	20.00	23.00	21.00	22.00	19.00	21.0	20.40	20.0
						207	0.0	0.0	20.00	21.00	21.00	21.00	20.00	20.6	20.00	19.6
						304	0.0	5.0	21.00	22.00	18.00	20.00	22.00	20.6	21.00	20.6
						405	0.0	0.0	24.00	23.00	25.00	23.00	23.00	23.6	25.90	25.4
						Mean =	0.0	1.3	21.25	22.25	21.25	21.50	21.00	21.5	21.83	21.4
7	BRAKE	1.2 SL		48.0 oz/a		107	0.0	5.0	20.50	17.00	17.50	19.50	19.50	18.8	17.40	17.1
						205	0.0	5.0	19.50	19.00	20.00	21.00	21.00	20.1	22.20	21.8
						302	0.0	5.0	21.00	18.00	23.00	19.00	19.00	20.0	18.90	18.5
						403	0.0	0.0	19.00	21.50	22.50	23.50	20.00	21.3	21.40	21.0
						Mean =	0.0	3.8	20.00	18.88	20.75	20.75	19.88	20.1	19.98	19.6

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF REXAVOR AND BRAKE YEAR 2 (WEED-FREE)			
Trial ID:	PE-04-23	Study Dir.:	K. BRISCOE/N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Crop Code				ARAHY
Part Rated				CLEAN, -
Rating Data Type				YIELD
Rating Unit				LBS/A
Rating Date				Sep-21-23
Tri-Eval Interval				148 DA-A
Tri Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit	Plot	20
1 NTC			101	6248
			202	6320
			306	5359
			401	5143
			Mean =	5768
2 REXOVOR (BAS85001H)	4.17 SC	1.03 oz/a	102	5287
			204	5431
			303	5960
			407	4806
			Mean =	5371
3 REXOVOR	4.17 SC	2.06 oz/a	103	4398
			206	4927
			307	4686
			406	6104
			Mean =	5029
4 REXOVOR	4.17 SC	4.12 oz/a	104	3917
			201	5095
			305	4999
			404	4806
			Mean =	4704
5 BRAKE	1.2 SL	12.0 oz/a	105	4927
			203	5095
			301	5407
			402	5551
			Mean =	5245
6 BRAKE	1.2 SL	24.0 oz/a	106	4903
			207	4806
			304	5047
			405	6224
			Mean =	5245
7 BRAKE	1.2 SL	48.0 oz/a	107	4182
			205	5335
			302	4542
			403	5143
			Mean =	4800

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF REXAVOR AND BRAKE
YEAR 2 (WEED-FREE)

Trial ID: PE-04-23 Study Dir.: K. BRISCOE/N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

Rating Unit

% = PERCENT

In = INCH

ARM Action Codes

T1 = $([12]+[13]+[14]+[15]+[16])/5$

T2 = $[18]*0.98$

TY3 = $245.2266667*[19]$