

University of Georgia

GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE

YEAR 1 (WEED-FREE)

Trial ID: PE-05A-22 Study Dir.: K. BRISCOE/N. SHAY/A. 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	Grow Unit	Appl Stg	Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	208	306	405
2	VULCARUS	4.17	SC	1.03 oz/a	PRE	A		0.8047 mL/mx	1499.2 mL	102	207	302	403
3	VULCARUS	4.17	SC	2.06 oz/a	PRE	A		1.609 mL/mx	1498.4 mL	103	206	309	402
4	VULCARUS	4.17	SC	4.12 oz/a	PRE	A		3.219 mL/mx	1496.8 mL	104	210	305	401
5	BRAKE	1.2	SL	12.0 oz/a	PRE	A		9.375 mL/mx	1490.6 mL	105	204	310	408
6	BRAKE	1.2	SL	24.0 oz/a	PRE	A		18.75 mL/mx	1481.3 mL	106	205	301	404
7	BRAKE	1.2	SL	48.0 oz/a	PRE	A		37.5 mL/mx	1462.5 mL	107	201	303	409

Sort Order: Treatment

Trial Comments

WEED-FREE

PROWL H2O @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE (04/26/22)
 CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A - 05/24/22

DIGGING DATE: 09/19/22 (148 DAYS)

HARVEST DATE: 09/23/22

HARVEST MOISTURE: 12.8%

YIELDS ADJUSTED TO 10%.

2% YIELD DEDUCTION FOR FM.

MISSING DATA DUE TO EARLY SEASON PROBLEMS WITH SOIL PH AND ZINC PROBLEMS (PH = 4.9, ZN = 8.9 LBS/A)

SUMMARY:

- 1) PEANUT STAND/DENSITY WAS NOT REDUCED BY ANY PRE APPLICATION OF VULCARUS OR BRAKE.
- 2) PRE APPLICATIONS OF VULCARUS AND BRAKE CAUSED EARLY SEASON STUNTING, PARTICULAR AT HIGHER RATES.
- 3) BRAKE CAUSED EARLY SEASON PEANUT BLEACHING, PARTICULARLY AT 24 OZ/A AND 48 OZ/A.
- 4) ON JUNE 6 (42 DAP), VULCARUS @ 4.12 OZ/A AND BRAKE @ 48 OZ/A CAUSED SIGNIFICANT PEANUT HEIGHT/WIDTH REDUCTIONS.
- 5) ON AUGUST 9 (106 DAP), PEANUT PLANT HEIGHTS WERE NOT REDUCED BY ANY PRE APPLICATION OF VULCARUS OR BRAKE.
- 6) TSWV WAS NOT AFFECTED BY PRE APPLICATIONS OF VULCARUS OR BRAKE (P=0.1252).
- 7) NO DIFFERENCES IN PEANUT YIELD WERE OBSERVED BETWEEN ANY TREATMENT (P=0.6944).

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YEAR 1 (WEED-FREE)

Trial ID: PE-05A-22 Study Dir.: K. BRISCOE/N. SHAY/A. FULMER
 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-25-22

Planting Method: MONOSEM TWIN ROW

Rate: 3.1 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: RACOB

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	COTTON		2021

MAINTENANCE

Field Prep./Maintenance: 1.5 TON/A LIME - PREPLANT

300 LBS/A 5-10-15 PREPLANT

THIMET INFR @ 5 LBS/A

36"-9" TWIN ROWS

RANCONA VPD SEED TRT

1000 LBS/A GYPSUM

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YEAR 1 (WEED-FREE)

Trial ID: PE-05A-22 Study Dir.: K. BRISCOE/N. SHAY/A. FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.53 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: DOTHAN
 % Clay: 2 CEC: 2.6 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-2-22		0.35	IN	SPRINKLER - LATERAL MOVE		
2.	May-5-22		0.2	IN	SPRINKLER - LATERAL MOVE		
3.	May-6-22		0.45	IN	RAINFALL		
4.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
5.	May-24-22		1.8	IN	RAINFALL		
6.	Jun-3-22		0.5	IN	SPRINKLER - LATERAL MOVE		
7.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Apr-26-22
Time of Day:	7:30 AM
Application Method:	BROADCAST
Application Timing:	PRE
Applic. Placement:	SOIL
Air Temp., Unit:	65 F
% Relative Humidity:	91
Wind Velocity, Unit:	1 MPH
Dew Presence (Y/N):	N
Water Hardness:	--
Soil Temp., Unit:	68 F
Soil Moisture:	DRY
% Cloud Cover:	40

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE**YEAR 1 (WEED-FREE)**

Trial ID:	PE-05A-22	Study Dir.:	K. BRISCOE/N. SHAY/A. FULMER
Location:	PONDER FARM	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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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE													
YEAR 1 (WEED-FREE)													
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code						Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Crop Code													
Part Rated													
Rating Data Type						Stand	Stunting	Bleaching	Necrosis	Stunting	Bleaching	Necrosis	
Rating Unit						#/5ft	%	%	%	%	%	%	
Rating Date						May-3-22	May-9-22	May-9-22	May-9-22	May-12-22	May-12-22	May-12-22	
Trt-Eval Interval						7 DA-A	13 DA-A	13 DA-A	13 DA-A	16 DA-A	16 DA-A	16 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	1	2	3	4	5	6	7
1	NTC						27.5 a	0.0 e	0.0 c	0.0 c	0.0 c	0.0 d	0.0 d
2	VULCARUS	4.17 SC		1.03 oz/a	PRE A		25.5 a	2.5 de	0.0 c	0.0 c	2.5 c	1.3 d	0.0 d
3	VULCARUS	4.17 SC		2.06 oz/a	PRE A		23.3 a	11.3 ab	0.0 c	10.0 a	16.3 b	0.0 d	15.0 b
4	VULCARUS	4.17 SC		4.12 oz/a	PRE A		24.8 a	15.0 a	0.0 c	12.5 a	28.8 a	0.0 d	32.5 a
5	BRAKE	1.2 SL		12.0 oz/a	PRE A		23.8 a	5.0 cd	6.3 bc	0.0 c	6.3 c	7.5 c	0.0 d
6	BRAKE	1.2 SL		24.0 oz/a	PRE A		26.0 a	2.5 de	8.8 ab	0.0 c	2.5 c	15.0 b	1.3 d
7	BRAKE	1.2 SL		48.0 oz/a	PRE A		23.8 a	8.8 bc	15.0 a	3.8 b	18.8 b	52.5 a	10.0 c
LSD P=.10						3.51	4.45	7.17	2.53	6.67	2.59	4.75	
Standard Deviation						2.86	3.63	5.85	2.07	5.44	2.11	3.87	
CV						11.47	56.5	136.51	55.08	50.75	19.4	46.12	
Grand Mean						24.93	6.43	4.29	3.75	10.71	10.89	8.39	
Bartlett's X2^						2.197	3.828	34.102*	11.347	8.845	6.648	12.949*	
P(Bartlett's X2)						0.901	0.70	0.00*	0.078	0.182	0.355	0.044*	
Shapiro-Wilk^						0.9636	0.9876	0.822*	0.9281	0.9823	0.8801*	0.8808*	
P(Shapiro-Wilk)^						0.4236	0.9785	0.0003*	0.0551	0.9023	0.004*	0.0042*	

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.

Missing data estimates are included in columns: Average=8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31

Could not calculate LSD (% mean diff) for columns 21 because error mean square = 0.

^Calculated from residual.

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YEAR 1 (WEED-FREE)												
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code			Arahy		Arahy		Arahy		Arahy		Arahy	
Crop Code			Plant, -		Plant, -		Plant, -		Plant, -		Plant, -	
Part Rated			Ht1		Ht2		Ht3		Ht4		Ht5	
Rating Data Type			In		In		In		In		In	
Rating Unit			Jun-6-22		Jun-6-22		Jun-6-22		Jun-6-22		Jun-6-22	
Rating Date			41 DA-A		41 DA-A		41 DA-A		41 DA-A		41 DA-A	
Trt-Eval Interval												
Trt	Treatment	Form	Form	Rate	Grow	Appl	8		9		10	
No.	Name	Conc	Type	Rate	Unit	Stg	Code		Code		Code	
1	NTC						6.50 a		6.33 b		6.17 a	
2	VULCARUS	4.17	SC	1.03 oz/a	PRE	A	6.00 a		7.25 a		6.00 a	
3	VULCARUS	4.17	SC	2.06 oz/a	PRE	A	6.33 a		6.00 bc		6.00 a	
4	VULCARUS	4.17	SC	4.12 oz/a	PRE	A	6.17 a		5.33 c		5.17 a	
5	BRAKE	1.2	SL	12.0 oz/a	PRE	A	5.88 a		6.25 b		6.50 a	
6	BRAKE	1.2	SL	24.0 oz/a	PRE	A	6.17 a		6.33 b		6.83 a	
7	BRAKE	1.2	SL	48.0 oz/a	PRE	A	6.17 a		5.83 bc		5.83 a	
LSD P=.10			0.736		0.794		0.930		0.908		0.911	
Standard Deviation			0.579		0.625		0.732		0.715		0.717	
CV			9.39		10.1		12.06		12.05		11.94	
Grand Mean			6.173		6.190		6.071		5.935		6.006	
Bartlett's X2^			.		.		.		.		.	
P(Bartlett's X2)			.		.		.		.		.	
Shapiro-Wilk^			0.9752		0.9882		0.9776		0.9458		0.9101	
P(Shapiro-Wilk)^			0.8436		0.994		0.8869		0.283		0.0552	

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Missing data estimates are included in columns: Average=8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31

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YEAR 1 (WEED-FREE)															
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER									
Location:		PONDER FARM		Investigator:		Eric P. Prostko									
Weed Code						Arahy Plant, - Wt3 In Jun-6-22 41 DA-A	Arahy Plant, - Wt4 In Jun-6-22 41 DA-A	Arahy Plant, - Wt5 In Jun-6-22 41 DA-A	Arahy Plant, - avg-width In Jun-6-22 41 DA-A	Arahy Plant, - Stunting % Jul-5-22 70 DA-A	Arahy Leaf, - Necrosis % Jul-5-22 70 DA-A	Arahy Plant, - Ht1 In Aug-9-22 105 DA-A	Arahy Plant, - Ht2 In Aug-9-22 105 DA-A		
Crop Code															
Part Rated															
Rating Data Type															
Rating Unit															
Rating Date															
Trt-Eval Interval															
Trt	Treatment	Form	Form	Rate	Grow	Appl	16	17	18	19	20	21	22	23	
No.	Name	Conc	Type	Rate	Unit	Stg	Code								
1	NTC							21.83 a	22.00 ab	23.00 a	21.7 ab	0.0 c	0.0 a	20.67 a	19.50 a
2	VULCARUS	4.17	SC	1.03	oz/a	PRE	A	21.00 a	21.75 ab	23.00 a	22.2 a	0.0 c	0.0 a	18.25 a	19.50 a
3	VULCARUS	4.17	SC	2.06	oz/a	PRE	A	21.00 a	21.00 bc	19.33 b	20.4 bc	0.0 c	0.0 a	20.50 a	21.00 a
4	VULCARUS	4.17	SC	4.12	oz/a	PRE	A	18.67 b	18.33 d	19.00 b	19.3 c	6.7 b	0.0 a	21.00 a	21.33 a
5	BRAKE	1.2	SL	12.0	oz/a	PRE	A	21.25 a	22.13 ab	19.88 b	21.2 ab	0.0 c	0.0 a	18.50 a	20.00 a
6	BRAKE	1.2	SL	24.0	oz/a	PRE	A	22.67 a	22.83 a	22.00 a	22.0 a	1.7 c	0.0 a	19.67 a	21.67 a
7	BRAKE	1.2	SL	48.0	oz/a	PRE	A	18.83 b	19.50 cd	18.33 b	19.6 c	10.0 a	0.0 a	20.17 a	21.67 a
LSD P=.10							2.075	1.579	1.857	1.29	2.07	.	1.791	2.035	
Standard Deviation							1.634	1.244	1.462	1.02	1.63	0.00	1.410	1.603	
CV							7.88	5.9	7.08	4.87	62.38	0.0	7.11	7.75	
Grand Mean							20.750	21.077	20.649	20.91	2.62	0.00	19.821	20.667	
Bartlett's X2^							.	.	.	.	.	.	.	.	
P(Bartlett's X2)							.	.	.	.	.	.	.	.	
Shapiro-Wilk^							0.9274	0.9485	0.9426	0.9645	0.9032*	.	0.9568	0.9689	
P(Shapiro-Wilk)^							0.1219	0.319	0.2448	0.6115	0.0404*	.	0.4532	0.7083	

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YEAR 1 (WEED-FREE)											
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					Arahy	Arahy	Arahy	Arahy	Arahy	-----	-----
Crop Code					Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	ARAHY	ARAHY
Part Rated					Ht3	Ht4	Ht5	HGT-AVG	TSWV	YIELD, -	YIELD, -
Rating Data Type					In	In	In	In	%	DIRTY	CLEAN
Rating Unit					Aug-9-22	Aug-9-22	Aug-9-22	Aug-9-22	Aug-29-22	LBS/PLOT	LBS/PLOT
Rating Date					105 DA-A	105 DA-A	105 DA-A	105 DA-A	125 DA-A	Sep-23-22	Sep-23-22
Trt-Eval Interval										150 DA-A	150 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code				
1	NTC							24	25	26	27
2	VULCARUS	4.17	SC	1.03	oz/a	PRE	A	19.50 a	20.00 a	20.50 a	19.8 a
3	VULCARUS	4.17	SC	2.06	oz/a	PRE	A	18.50 a	20.17 a	18.50 a	20.1 a
4	VULCARUS	4.17	SC	4.12	oz/a	PRE	A	20.50 a	20.17 a	18.50 a	20.1 a
5	BRAKE	1.2	SL	12.0	oz/a	PRE	A	21.33 a	20.67 a	20.50 a	21.0 a
6	BRAKE	1.2	SL	24.0	oz/a	PRE	A	20.38 a	19.50 a	19.25 a	19.5 a
7	BRAKE	1.2	SL	48.0	oz/a	PRE	A	20.33 a	20.83 a	20.83 a	20.7 a
								20.83 a	20.83 a	19.50 a	20.6 a

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

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YEAR 1 (WEED-FREE)									
Trial ID:	PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER				
Location:	PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code								-----	
Crop Code								ARAHY	
Part Rated								YIELD, -	
Rating Data Type								YIELD	
Rating Unit								LBS/A	
Rating Date								Sep-23-22	
Trt-Eval Interval								150 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	31	
1	NTC							6452.3	a
2	VULCARUS	4.17	SC	1.03	oz/a	PRE	A	6369.5	a
3	VULCARUS	4.17	SC	2.06	oz/a	PRE	A	6553.4	a
4	VULCARUS	4.17	SC	4.12	oz/a	PRE	A	6231.7	a
5	BRAKE	1.2	SL	12.0	oz/a	PRE	A	6369.5	a
6	BRAKE	1.2	SL	24.0	oz/a	PRE	A	6571.8	a
7	BRAKE	1.2	SL	48.0	oz/a	PRE	A	6130.6	a
LSD P=.10								510.89	
Standard Deviation								402.31	
CV								6.3	
Grand Mean								6382.68	
Bartlett's X2^								.	
P(Bartlett's X2)								.	
Shapiro-Wilk^								0.9403	
P(Shapiro-Wilk)^								0.2207	

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YEAR 1 (WEED-FREE)					
Trial ID:	PE-05A-22	Study Dir.:	K. BRISCOE/N. SHAY/A. FULMER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Arahy Stand #/5ft May-3-22 7 DA-A (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	213.857143			
Replicate	3	11.857143	3.952381	0.483	0.6979
Treatment	6	54.857143	9.142857	1.118	0.3905
Error	18	147.142857	8.174603		
Randomized Complete Block (RCB) AOV For Arahy Stunting % May-9-22 13 DA-A (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	992.857143			
Replicate	3	50.000000	16.666667	1.263	0.3168
Treatment	6	705.357143	117.559524	8.910	0.0001
Error	18	237.500000	13.194444		
Randomized Complete Block (RCB) AOV For Arahy Bleaching % May-9-22 13 DA-A (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	1485.714286			
Replicate	3	21.428571	7.142857	0.209	0.8890
Treatment	6	848.214286	141.369048	4.130	0.0088
Error	18	616.071429	34.226190		
Randomized Complete Block (RCB) AOV For Arahy Necrosis % May-9-22 13 DA-A (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	781.250000			
Replicate	3	16.964286	5.654762	1.326	0.2971
Treatment	6	687.500000	114.583333	26.860	0.0001
Error	18	76.785714	4.265873		
Randomized Complete Block (RCB) AOV For Arahy Stunting % May-12-22 16 DA-A (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	3385.714286			
Replicate	3	92.857143	30.952381	1.047	0.3959
Treatment	6	2760.714286	460.119048	15.564	0.0001
Error	18	532.142857	29.563492		
Randomized Complete Block (RCB) AOV For Arahy Bleaching % May-12-22 16 DA-A (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	8952.678571			
Replicate	3	38.392857	12.797619	2.867	0.0654
Treatment	6	8833.928571	1472.321429	329.800	0.0001
Error	18	80.357143	4.464286		
Randomized Complete Block (RCB) AOV For Arahy Necrosis % May-12-22 16 DA-A (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	3902.678571			
Replicate	3	74.107143	24.702381	1.649	0.2135
Treatment	6	3558.928571	593.154762	39.596	0.0001
Error	18	269.642857	14.980159		
Randomized Complete Block (RCB) AOV For Arahy Plant Ht1 In Jun-6-22 41 DA-A (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	6.360119			
Replicate	3	1.661706	0.553902	1.650	0.2346
Treatment	6	1.005952	0.167659	0.499	0.7965
Error	11	3.692460	0.335678		
Randomized Complete Block (RCB) AOV For Arahy Plant Ht2 In Jun-6-22 41 DA-A (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	13.303571			
Replicate	3	0.740079	0.246693	0.631	0.6102
Treatment	6	8.261905	1.376984	3.521	0.0340
Error	11	4.301587	0.391053		
Randomized Complete Block (RCB) AOV For Arahy Plant Ht3 In Jun-6-22 41 DA-A (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	16.301587			
Replicate	3	3.769841	1.256614	2.344	0.1291
Treatment	6	6.634921	1.105820	2.063	0.1412
Error	11	5.896825	0.536075		

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE					
YEAR 1 (WEED-FREE)					
Trial ID:	PE-05A-22	Study Dir.:	K. BRISCOE/N. SHAY/A. FULMER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Arahya Plant Ht4 In Jun-6-22 41 DA-A (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	17.685516			
Replicate	3	1.891865	0.630622	1.232	0.3444
Treatment	6	10.164683	1.694114	3.311	0.0410
Error	11	5.628968	0.511724		
Randomized Complete Block (RCB) AOV For Arahya Plant Ht5 In Jun-6-22 41 DA-A (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	15.804563			
Replicate	3	0.860119	0.286706	0.557	0.6541
Treatment	6	9.283730	1.547288	3.007	0.0543
Error	11	5.660714	0.514610		
Randomized Complete Block (RCB) AOV For Arahya Plant avg-hgt In Jun-6-22 41 DA-A (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	7.214167			
Replicate	3	1.183690	0.394563	1.772	0.2104
Treatment	6	3.581667	0.596944	2.681	0.0744
Error	11	2.448810	0.222619		
Randomized Complete Block (RCB) AOV For Arahya Plant Wt1 In Jun-6-22 41 DA-A (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	58.630952			
Replicate	3	1.091270	0.363757	0.081	0.9689
Treatment	6	8.214286	1.369048	0.305	0.9213
Error	11	49.325397	4.484127		
Randomized Complete Block (RCB) AOV For Arahya Plant Wt2 In Jun-6-22 41 DA-A (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	64.178571			
Replicate	3	6.115079	2.038360	0.752	0.5436
Treatment	6	28.261905	4.710317	1.739	0.2019
Error	11	29.801587	2.709235		
Randomized Complete Block (RCB) AOV For Arahya Plant Wt3 In Jun-6-22 41 DA-A (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	93.861111			
Replicate	3	11.535714	3.845238	1.440	0.2841
Treatment	6	52.944444	8.824074	3.304	0.0413
Error	11	29.380952	2.670996		
Randomized Complete Block (RCB) AOV For Arahya Plant Wt4 In Jun-6-22 41 DA-A (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	85.679563			
Replicate	3	6.631944	2.210648	1.429	0.2868
Treatment	6	62.033730	10.338955	6.684	0.0035
Error	11	17.013889	1.546717		
Randomized Complete Block (RCB) AOV For Arahya Plant Wt5 In Jun-6-22 41 DA-A (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	122.685516			
Replicate	3	5.995040	1.998347	0.934	0.4567
Treatment	6	93.164683	15.527447	7.260	0.0025
Error	11	23.525794	2.138709		
Randomized Complete Block (RCB) AOV For Arahya Plant avg-wdth In Jun-6-22 41 DA-A (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	46.115952			
Replicate	3	3.691984	1.230661	1.185	0.3600
Treatment	6	31.000952	5.166825	4.975	0.0107
Error	11	11.423016	1.038456		
Randomized Complete Block (RCB) AOV For Arahya Plant Stunting % Jul-5-22 70 DA-A (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	430.158730			
Replicate	3	3.968254	1.322751	0.495	0.6928
Treatment	6	396.825397	66.137566	24.775	0.0001
Error	11	29.365079	2.669553		

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE					
YEAR 1 (WEED-FREE)					
Trial ID:	PE-05A-22	Study Dir.:	K. BRISCOE/N. SHAY/A. FULMER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Arahay Leaf Necrosis % Jul-5-22 70 DA-A (Data Column 21)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	19	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	6	0.000000000000	0.000000000000	0.000	1.0000
Error	10	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For Arahay Plant Ht1 In Aug-9-22 105 DA-A (Data Column 22)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	50.815476			
Replicate	3	1.251984	0.417328	0.210	0.8875
Treatment	6	27.690476	4.615079	2.321	0.1073
Error	11	21.873016	1.988456		
Randomized Complete Block (RCB) AOV For Arahay Plant Ht2 In Aug-9-22 105 DA-A (Data Column 23)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	57.888889			
Replicate	3	6.746032	2.248677	0.875	0.4832
Treatment	6	22.888889	3.814815	1.485	0.2693
Error	11	28.253968	2.568543		
Randomized Complete Block (RCB) AOV For Arahay Plant Ht3 In Aug-9-22 105 DA-A (Data Column 24)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	57.502976			
Replicate	3	3.598214	1.199405	0.399	0.7567
Treatment	6	20.815476	3.469246	1.153	0.3953
Error	11	33.089286	3.008117		
Randomized Complete Block (RCB) AOV For Arahay Plant Ht4 In Aug-9-22 105 DA-A (Data Column 25)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	29.039683			
Replicate	3	0.261905	0.087302	0.057	0.9813
Treatment	6	11.873016	1.978836	1.288	0.3384
Error	11	16.904762	1.536797		
Randomized Complete Block (RCB) AOV For Arahay Plant Ht5 In Aug-9-22 105 DA-A (Data Column 26)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	72.303571			
Replicate	3	23.922619	7.974206	3.012	0.0761
Treatment	6	19.261905	3.210317	1.213	0.3690
Error	11	29.119048	2.647186		
Randomized Complete Block (RCB) AOV For Arahay Plant HGT-AVG In Aug-9-22 105 DA-A (Data Column 27)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	23.651230			
Replicate	3	3.143294	1.047765	0.981	0.4369
Treatment	6	8.757063	1.459511	1.366	0.3089
Error	11	11.750873	1.068261		
Randomized Complete Block (RCB) AOV For Arahay TSWV % Aug-29-22 125 DA-A (Data Column 28)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	583.158730			
Replicate	3	113.539683	37.846561	1.938	0.1820
Treatment	6	254.825397	42.470899	2.175	0.1252
Error	11	214.793651	19.526696		
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD DIRTY LBS/PLOT Sep-23-22 150 DA-A (Data Column 29)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	42.509841			
Replicate	3	10.863175	3.621058	1.701	0.2242
Treatment	6	8.229841	1.371640	0.644	0.6944
Error	11	23.416825	2.128802		
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD CLEAN LBS/PLOT Sep-23-22 150 DA-A (Data Column 30)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	40.826452			
Replicate	3	10.432993	3.477664	1.701	0.2242
Treatment	6	7.903940	1.317323	0.644	0.6944
Error	11	22.489519	2.044502		

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE YEAR 1 (WEED-FREE)					
Trial ID:	PE-05A-22	Study Dir.:	K. BRISCOE/N. SHAY/A. FULMER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD YIELD LBS/A Sep-23-22 150 DA-A (Data Column 31)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	20	3232085.268407			
Replicate	3	825943.018234	275314.339411	1.701	0.2242
Treatment	6	625726.841950	104287.806992	0.644	0.6944
Error	11	1780415.408223	161855.946202		
<u>Part Rated</u> Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) Leaf = LEAF / FOLIAGE <u>Rating Unit</u> % = PERCENT In = INCH <u>ARM Action Codes</u> T1 = ([C8]+[C9]+[C10]+[C11]+[C12])/5 T2 = ([C14]+[C15]+[C16]+[C17]+[C18])/5 T5 = ([22]+[23]+[24]+[25]+[26])/5 T3 = [C29]*0.98 TY4 = 281.36533333*[C30]					

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE												
YEAR 1 (WEED-FREE)												
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code												
Part Rated												
Rating Data Type							Stand	Stunting	Bleaching	Necrosis	Stunting	Bleaching
Rating Unit							#/5ft	%	%	%	%	%
Rating Date							May-3-22	May-9-22	May-9-22	May-9-22	May-12-22	May-12-22
Trt-Eval Interval							7 DA-A	13 DA-A	13 DA-A	13 DA-A	16 DA-A	16 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4
1	NTC							101	30.0	0.0	0.0	0.0
								208	27.0	0.0	0.0	0.0
								306	25.0	0.0	0.0	0.0
								405	28.0	0.0	0.0	0.0
								Mean =	27.5	0.0	0.0	0.0
2	VULCARUS	4.17 SC		1.03 oz/a	PRE	A		102	26.0	0.0	0.0	0.0
								207	24.0	0.0	0.0	0.0
								302	29.0	0.0	0.0	0.0
								403	23.0	10.0	0.0	10.0
								Mean =	25.5	2.5	0.0	2.5
3	VULCARUS	4.17 SC		2.06 oz/a	PRE	A		103	26.0	5.0	0.0	5.0
								206	20.0	15.0	0.0	15.0
								309	22.0	10.0	0.0	10.0
								402	25.0	15.0	0.0	10.0
								Mean =	23.3	11.3	0.0	10.0
4	VULCARUS	4.17 SC		4.12 oz/a	PRE	A		104	26.0	15.0	0.0	15.0
								210	22.0	20.0	0.0	15.0
								305	23.0	15.0	0.0	10.0
								401	28.0	10.0	0.0	10.0
								Mean =	24.8	15.0	0.0	12.5
5	BRAKE	1.2 SL		12.0 oz/a	PRE	A		105	26.0	0.0	5.0	0.0
								204	23.0	5.0	0.0	0.0
								310	25.0	5.0	0.0	0.0
								408	21.0	10.0	20.0	0.0
								Mean =	23.8	5.0	6.3	0.0
6	BRAKE	1.2 SL		24.0 oz/a	PRE	A		106	22.0	5.0	10.0	0.0
								205	28.0	0.0	10.0	0.0
								301	27.0	0.0	10.0	0.0
								404	27.0	5.0	5.0	0.0
								Mean =	26.0	2.5	8.8	0.0
7	BRAKE	1.2 SL		48.0 oz/a	PRE	A		107	23.0	10.0	25.0	5.0
								201	25.0	5.0	15.0	5.0
								303	28.0	10.0	20.0	0.0
								409	19.0	10.0	0.0	5.0
								Mean =	23.8	8.8	15.0	3.8

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE															
YEAR 1 (WEED-FREE)															
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER									
Location:		PONDER FARM		Investigator:		Eric P. Prostko									
Weed Code							Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Crop Code															
Part Rated															
Rating Data Type															
Rating Unit															
Rating Date															
Trt-Eval Interval							May-12-22	Jun-6-22	Jun-6-22	Jun-6-22	Jun-6-22	Jun-6-22	Jun-6-22		
							16 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A	
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12	13
1	NTC						101		0.0	7.00	6.50	5.50	6.00	6.00	6.2
							208		0.0	.	.	.	.	.	.
							306		0.0	6.00	6.50	7.00	7.00	6.00	6.5
							405		0.0	6.50	6.00	6.00	6.00	7.00	6.3
							Mean =		0.0	6.50	6.33	6.17	6.33	6.33	6.3
2	VULCARUS	4.17 SC		1.03 oz/a	PRE	A	102		0.0	.	.	.	.	.	.
							207		0.0	.	.	.	.	.	.
							302		0.0	6.00	7.00	5.50	7.00	7.00	6.5
							403		0.0	6.00	7.50	6.50	7.00	7.00	6.8
							Mean =		0.0	6.00	7.25	6.00	7.00	7.00	6.7
3	VULCARUS	4.17 SC		2.06 oz/a	PRE	A	103		10.0	6.00	5.50	5.00	5.00	5.00	5.3
							206		20.0	6.50	6.00	6.50	7.00	5.50	6.3
							309		15.0	6.50	6.50	6.50	7.00	6.00	6.5
							402		15.0	.	.	.	.	.	.
							Mean =		15.0	6.33	6.00	6.00	6.33	5.50	6.0
4	VULCARUS	4.17 SC		4.12 oz/a	PRE	A	104		30.0	5.50	5.00	4.50	5.50	5.50	5.2
							210		40.0	6.00	5.50	5.50	5.00	5.00	5.4
							305		40.0	7.00	5.50	5.50	5.50	6.00	5.9
							401		20.0	.	.	.	.	.	.
							Mean =		32.5	6.17	5.33	5.17	5.33	5.50	5.5
5	BRAKE	1.2 SL		12.0 oz/a	PRE	A	105		0.0	5.00	6.50	6.00	6.00	7.00	6.1
							204		0.0	6.50	6.00	8.00	6.50	6.00	6.6
							310		0.0	6.00	6.00	6.50	6.00	5.50	6.0
							408		0.0	6.00	6.50	5.50	5.00	5.00	5.6
							Mean =		0.0	5.88	6.25	6.50	5.88	5.88	6.1
6	BRAKE	1.2 SL		24.0 oz/a	PRE	A	106		0.0	5.50	6.00	6.00	5.00	7.00	5.9
							205		0.0	7.00	7.00	7.50	5.50	7.00	6.8
							301		5.0	.	.	.	.	.	.
							404		0.0	6.00	6.00	7.00	5.50	5.50	6.0
							Mean =		1.3	6.17	6.33	6.83	5.33	6.50	6.2
7	BRAKE	1.2 SL		48.0 oz/a	PRE	A	107		10.0	5.50	6.00	6.00	6.00	5.50	5.8
							201		10.0	.	.	.	.	.	.
							303		10.0	7.00	7.00	6.50	6.00	6.00	6.5
							409		10.0	6.00	4.50	5.00	4.00	4.50	4.8
							Mean =		10.0	6.17	5.83	5.83	5.33	5.33	5.7

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE													
YEAR 1 (WEED-FREE)													
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code							Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -
Part Rated							Wt1	Wt2	Wt3	Wt4	Wt5	avg-width	Stunting
Rating Data Type							In	In	In	In	In	In	%
Rating Unit							Jun-6-22	Jun-6-22	Jun-6-22	Jun-6-22	Jun-6-22	Jun-6-22	Jul-5-22
Rating Date							41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A	70 DA-A
Trt-Eval Interval													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	14	15	16	17	
1	NTC							101	19.00	18.00	21.00	22.00	
								208	.	.	.	.	
								306	20.00	22.00	23.50	22.00	
								405	26.00	20.00	21.00	22.00	
								Mean =	21.67	20.00	21.83	22.00	
2	VULCARUS	4.17 SC		1.03 oz/a	PRE	A		102	.	.	.	.	
								207	.	.	.	.	
								302	23.00	23.00	23.00	23.50	
								403	22.00	22.00	19.00	20.00	
								Mean =	22.50	22.50	21.00	21.75	
3	VULCARUS	4.17 SC		2.06 oz/a	PRE	A		103	22.00	19.00	21.00	20.00	
								206	20.00	22.50	21.00	20.00	
								309	21.00	18.00	21.00	23.00	
								402	.	.	.	.	
								Mean =	21.00	19.83	21.00	19.33	
4	VULCARUS	4.17 SC		4.12 oz/a	PRE	A		104	20.00	19.00	16.00	18.00	
								210	23.00	20.00	20.00	18.00	
								305	21.00	19.00	20.00	19.00	
								401	.	.	.	.	
								Mean =	21.33	19.33	18.67	18.33	
5	BRAKE	1.2 SL		12.0 oz/a	PRE	A		105	22.00	23.00	22.00	22.00	
								204	22.00	22.00	24.00	24.00	
								310	22.00	20.00	20.50	22.50	
								408	19.00	20.00	18.50	20.00	
								Mean =	21.25	21.25	21.25	22.13	
6	BRAKE	1.2 SL		24.0 oz/a	PRE	A		106	20.00	21.00	23.00	23.00	
								205	21.00	22.00	23.00	22.00	
								301	.	.	.	.	
								404	22.50	21.00	22.00	23.50	
								Mean =	21.17	21.33	22.67	22.83	
7	BRAKE	1.2 SL		48.0 oz/a	PRE	A		107	22.00	19.00	18.00	20.00	
								201	.	.	.	.	
								303	21.00	23.00	19.00	20.00	
								409	19.00	20.50	19.50	18.50	
								Mean =	20.67	20.83	18.83	19.50	

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE															
YEAR 1 (WEED-FREE)															
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER									
Location:		PONDER FARM		Investigator:		Eric P. Prostko									
Weed Code							Arahy Leaf, - Necrosis %	Arahy Plant, - Ht1 In	Arahy Plant, - Ht2 In	Arahy Plant, - Ht3 In	Arahy Plant, - Ht4 In	Arahy Plant, - Ht5 In	Arahy Plant, - HGT-AVG In		
Crop Code															
Part Rated															
Rating Data Type															
Rating Unit															
Rating Date							Jul-5-22	Aug-9-22	Aug-9-22	Aug-9-22	Aug-9-22	Aug-9-22	Aug-9-22		
Trt-Eval Interval							70 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	21	22	23	24	25	26	27
1	NTC							101	0.0	22.00	17.50	20.00	19.00	19.50	19.6
								208	.	.	.	.	.	.	.
								306	0.0	20.00	21.00	18.50	20.00	21.00	20.1
								405	0.0	20.00	20.00	20.00	18.00	21.00	19.8
								Mean =	0.0	20.67	19.50	19.50	19.00	20.50	19.8
2	VULCARUS	4.17	SC	1.03	oz/a	PRE	A	102	.	.	.	.	.	.	.
								207	.	.	.	.	.	.	.
								302	0.0	17.00	19.00	19.00	19.00	21.50	19.1
								403	0.0	19.50	20.00	18.00	21.00	20.00	19.7
								Mean =	0.0	18.25	19.50	18.50	20.00	20.75	19.4
3	VULCARUS	4.17	SC	2.06	oz/a	PRE	A	103	0.0	20.50	18.00	18.00	18.00	15.00	17.9
								206	.	.	.	.	.	.	.
								309	0.0	21.00	22.00	20.50	21.00	19.50	20.8
								402	.	.	.	.	.	.	.
								Mean =	0.0	20.50	21.00	20.50	20.17	18.50	20.1
4	VULCARUS	4.17	SC	4.12	oz/a	PRE	A	104	0.0	19.00	20.00	18.50	20.50	19.00	19.4
								210	0.0	21.50	21.00	21.50	21.00	20.50	21.1
								305	0.0	22.50	23.00	24.00	20.50	22.00	22.4
								401	.	.	.	.	.	.	.
								Mean =	0.0	21.00	21.33	21.33	20.67	20.50	21.0
5	BRAKE	1.2	SL	12.0	oz/a	PRE	A	105	0.0	20.00	21.00	21.00	21.00	19.00	20.4
								204	0.0	17.00	18.50	20.50	19.50	21.00	19.3
								310	0.0	19.00	19.50	18.50	19.00	21.00	19.4
								408	0.0	18.00	21.00	21.50	18.50	16.00	19.0
								Mean =	0.0	18.50	20.00	20.38	19.50	19.25	19.5
6	BRAKE	1.2	SL	24.0	oz/a	PRE	A	106	0.0	19.50	21.50	20.00	20.50	21.00	20.5
								205	0.0	20.00	22.00	20.00	20.00	22.50	20.9
								301	.	.	.	.	.	.	.
								404	0.0	19.50	21.50	21.00	22.00	19.00	20.6
								Mean =	0.0	19.67	21.67	20.33	20.83	20.83	20.7
7	BRAKE	1.2	SL	48.0	oz/a	PRE	A	107	0.0	19.50	22.00	21.50	21.00	19.00	20.6
								201	.	.	.	.	.	.	.
								303	0.0	22.00	23.00	20.00	20.50	21.00	21.3
								409	0.0	19.00	20.00	21.00	21.00	18.50	19.9
								Mean =	0.0	20.17	21.67	20.83	20.83	19.50	20.6

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE										
YEAR 1 (WEED-FREE)										
Trial ID:		PE-05A-22		Study Dir.:		K. BRISCOE/N. SHAY/A. FULMER				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code							Arahy	-----	ARAHY	-----
Crop Code									ARAHY	-----
Part Rated									YIELD, -	YIELD, -
Rating Data Type							TSWV	DIRTY	CLEAN	YIELD
Rating Unit							%	LBS/PLOT	LBS/PLOT	LBS/A
Rating Date							Aug-29-22	Sep-23-22	Sep-23-22	Sep-23-22
Trt-Eval Interval							125 DA-A	150 DA-A	150 DA-A	150 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	28	29
1	NTC						101		3.0	24.8
							208		.	.
							306		8.0	23.5
							405		16.0	21.9
							Mean =		9.0	23.4
2	VULCARUS	4.17	SC	1.03	oz/a	PRE	A	102	.	.
							207		.	.
							302		14.0	23.6
							403		16.0	22.6
							Mean =		15.0	23.1
3	VULCARUS	4.17	SC	2.06	oz/a	PRE	A	103	8.0	21.9
							206		6.0	26.4
							309		9.0	23.0
							402		.	.
							Mean =		7.7	23.8
4	VULCARUS	4.17	SC	4.12	oz/a	PRE	A	104	6.0	20.6
							210		5.0	24.3
							305		10.0	22.9
							401		.	.
							Mean =		7.0	22.6
5	BRAKE	1.2	SL	12.0	oz/a	PRE	A	105	5.0	23.9
							204		14.0	24.7
							310		21.0	22.8
							408		10.0	21.0
							Mean =		12.5	23.1
6	BRAKE	1.2	SL	24.0	oz/a	PRE	A	106	8.0	23.0
							205		14.0	24.7
							301		.	.
							404		14.0	23.8
							Mean =		12.0	23.8
7	BRAKE	1.2	SL	48.0	oz/a	PRE	A	107	11.0	23.3
							201		.	.
							303		21.0	22.3
							409		12.0	21.1
							Mean =		14.7	22.2

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GEORGIA-12Y RESPONSE TO PRE APPLICATIONS OF VULCARUS AND BRAKE**YEAR 1 (WEED-FREE)**

Trial ID:	PE-05A-22	Study Dir.:	K. BRISCOE/N. SHAY/A. FULMER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Unit

% = PERCENT

In = INCH

ARM Action Codes

T1 = ([C8]+[C9]+[C10]+[C11]+[C12])/5

T2 = ([C14]+[C15]+[C16]+[C17]+[C18])/5

T5 = ([22]+[23]+[24]+[25]+[26])/5

T3 = [C29]*0.98

TY4 = 281.36533333*[C30]