

University of Georgia

WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE				
Trial ID:	PE-17-21	Study Dir.:	KYLE BRISCOE	
Location:	PONDER FARM	Investigator:	Eric P. Prostko	

Reps: 3 Plots: 6 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC								-	101	208	303
2	SP7104	SC		0.5 oz/a		PRE	A	0.3906 mL/mx	1490.2 mL	102	207	308
	BRAKE	1.2 L		12.0 oz/a		PRE	A	9.375 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
3	SP7104	SC		1.0 oz/a		PRE	A	0.7812 mL/mx	1489.8 mL	103	210	312
	BRAKE	1.2 L		12.0 oz/a		PRE	A	9.375 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
4	SP7104	SC		1.0 oz/a		PRE	A	0.7812 mL/mx	1474.2 mL	104	201	306
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	25.0 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
5	SP7104	SC		1.0 oz/a		PRE	A	0.7812 mL/mx	1486.7 mL	105	211	310
	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	12.5 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
6	SP7104	SC		1.0 oz/a		PRE	A	0.7812 mL/mx	1461.7 mL	106	202	311
	WARRANT	3 ME		48.0 oz/a		PRE	A	37.5 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
7	SP7104	SC		1.0 oz/a		PRE	A	0.7812 mL/mx	1489.2 mL	107	203	301
	OUTLOOK	6 EC		12.8 oz/a		PRE	A	10.0 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
8	SP7104	SC		1.0 oz/a		PRE	A	0.7812 mL/mx	1499.1 mL	108	212	305
	STRONGARM	84 WG		0.225 oz/a		PRE	A	0.1685 g/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
9	VALOR EZ2	4 SC		3.0 oz/a		PRE	A	2.344 mL/mx	1472.7 mL	109	205	309
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	25.0 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
10	BRAKE	1.2 SL		12.0 oz/a		PRE	A	9.375 mL/mx	1465.6 mL	110	209	307
	SONALAN	3 EC		32.0 oz/a		PRE	A	25.0 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
11	BRAKE	1.2 SL		12.0 oz/a		PRE	A	9.375 mL/mx	1465.6 mL	111	204	302
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	25.0 mL/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
	AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx				
12	BRAKE	1.2 SL		12.0 oz/a		PRE	A	9.375 mL/mx	1465.5 mL	112	206	304
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	25.0 mL/mx				
	STRONGARM	84 WG		0.225 oz/a		PRE	A	0.1685 g/mx				
	CADRE	2 AS		4.0 oz/a		EPOST	B	3.125 mL/mx				
AGRIDEX			1.0 % v/v		EPOST	B	15.0 mL/mx					

Sort Order: Treatment

Trial Comments
FORMULATION CONCENTRATION OF SP7104 WAS NOT REVEALED.
DIGGING DATE: 09/24/21
HARVEST DATE: 09/29/21
HARVEST MOISTURE: 9.4%
YIELDS ADJUSTED TO 10%.

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE

Trial ID: PE-17-21 Study Dir.: KYLE BRISCOE
Location: PONDER FARM Investigator: Eric P. Prostko

2% DEDUCTION FOR FM.

SUMMARY:

- 1) SLIGHT PEANUT STUNTING WAS OBSERVED WITH MOST PRE TREATMENTS (UP TO 8%).
- 2) ALL PRE TREATMENTS RESULTED IN AT LEAST 97% CONTROL OF PALMER AMARANTH @ 13 DAT.
- 3) WILD RADISH CONTROL WITH PRE TREATMENTS OF BRAKE @ 12 OZ/A + SP7104 OR SONALAN OR PROWL PROVIDED <74% CONTROL OF WILD RADISH.
- 4) ANNUAL GRASS CONTROL WITH BRAKE @ 12 OZ/A + SP7104 TENDED TO BE LOWER THAN OTHER PRE TREATMENTS.
- 4) ALL PRE TREATMENTS PROVIDED 99% CONTROL OF CARPETWEED.
- 5) AFTER CADRE WAS APPLIED EPOST, ALL TREATMENTS RESULTED IN >90% CONTROL OF WILD RADISH.
- 6) RATINGS OBTAINED ON AUGUST 5 (87 DAP) INDICATED THE FOLLOWING:
 - A) ALL TREATMENTS PROVIDED >90% CONTROL OF PALMER AMARANTH EXCEPT SP7104 @ 0.5 OZ/A + BRAKE 12 OZ/A - PRE FB CADRE - EPOST (85% CONTROL) AND BRAKE @ 12 OZ/A + SONALAN @ 32 OZ/A FB CADRE - EPOST (83% CONTROL).
 - B) ALL TREATMENTS PROVIDED AT LEAST 93% CONTROL OF ANNUAL GRASSES.
- 7) ALL HERBICIDE TREATED PLOTS HAD HIGHER YIELDS THAN THE NTC WITH NO DIFFERENCES IN YIELD BETWEEN HERBICIDE TREATMENTS.

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 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: KYLE 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.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PAN/CRAB/GOOSE/CROW
4.	MOLVE	CA	RPETWEED
5.			
6.			

Crop 1: ARAHY PEANUT **Variety:** GA-16HO
Planting Date: May-10-21 **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:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	FALLOW		2020

MAINTENANCE
Field Prep./Maintenance: 300 LBS/A 5-15-30 PREPLANT
 RANCONA VPD SEED TRT
 36"-9" TWIN ROW SPACNG

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THIMET INFR @ 5.25 LBS/A 1000 LBS/A GYPSUM							
No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit
1.							

SOIL DESCRIPTION

% Sand: 94 % OM: 0.64 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: DOTHAN
 % Clay: 2 CEC: 2.8 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-11-21		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-11-21		0.15	IN	RAINFALL		
3.	May-12-21		0.6	IN	RAINFALL		
4.	May-19-21		0.5	IN	SPRINKLER - LATERAL MOVE		
5.	May-24-21		0.5	IN	SPRINKLER - LATERAL MOVE		
6.	Jun-1-21		0.5	IN	SPRINKLER - LATERAL MOVE	12	HR
7.	Jun-4-21		0.6	IN	RAINFALL		
8.	Jun-6-21		0.4	IN	RAINFALL		
9.	Jun-7-21		1.25	IN	RAINFALL		
10.	Jun-8-21		0.15	IN	RAINFALL		
11.	Jun-11-21		0.3	IN	RAINFALL		
12.	Jun-15-21		1.0	IN	RAINFALL		
13.	Jun-18-21		0.5	IN	SPRINKLER - LATERAL MOVE		
14.	Jun-20-21		1.0	IN	RAINFALL		
15.	Jun-21-21		2.4	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B
Application Date:	May-11-21	Jun-1-21
Time of Day:	7:45 am	6:45 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	EPOST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	69 F	61 F
% Relative Humidity:	94	90
Wind Velocity, Unit:	1 MPH	0 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	70 F	72 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	75	5

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CROP STAGE AT EACH APPLICATION		
	A	B
Crop 1 Code, Stage:	ARAHY,	ARAHY,
Stage Scale:		V6-V7
Height, Unit:	,	2, IN

WEED STAGE AT EACH APPLICATION		
	A	B
Weed 1 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		4";6 LF
Density, Unit:		
Weed 2 Code, Stage:	RAPRA,	RAPRA,
Stage Scale:		1";3 LF
Density, Unit:		
Weed 3 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		2";2 LF
Density, Unit:		
Weed 4 Code, Stage:	MOLVE,	MOLVE,
Stage Scale:		
Density, Unit:		
Weed 5 Code, Stage:	,	,
Stage Scale:		
Density, Unit:		
Weed 6 Code, Stage:	,	,
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT		
	A	B
Appl. Equipment:	BACKPACK	SAME AS A
Operating Pressure:	37	
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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Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Arahy	----- Arahy	Amapa -----	Rapra -----	Agrass -----			
						Stunt %	Bleaching %	Control %	Control %	Control %			
						May-24-21	May-24-21	May-24-21	May-24-21	May-24-21			
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit	Stg	Appl Code	1	2	3	4	5
1	NTC								0.0 c	0.0 a	0.0 c	0.0 e	0.0 c
2	SP7104 BRAKE CADRE AGRINDEX	SC 1.2 L 2 AS		0.5 oz/a 12.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		0.0 c	1.7 a	99.0 a	43.3 d	88.0 b
3	SP7104 BRAKE CADRE AGRINDEX	SC 1.2 L 2 AS		1.0 oz/a 12.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		3.3 bc	0.0 a	99.0 a	73.3 bc	87.7 b
4	SP7104 PROWL H20 CADRE AGRINDEX	SC 3.8 SC 2 AS		1.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		5.0 ab	0.0 a	97.7 ab	73.3 bc	96.0 ab
5	SP7104 DUAL MAGNUM CADRE AGRINDEX	SC 7.62 EC 2 AS		1.0 oz/a 16.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		8.3 a	0.0 a	99.0 a	88.3 ab	99.0 a
6	SP7104 WARRANT CADRE AGRINDEX	SC 3 ME 2 AS		1.0 oz/a 48.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		3.3 bc	0.0 a	99.0 a	88.3 ab	91.3 ab
7	SP7104 OUTLOOK CADRE AGRINDEX	SC 6 EC 2 AS		1.0 oz/a 12.8 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		5.0 ab	0.0 a	99.0 a	97.7 a	94.3 ab
8	SP7104 STRONGARM CADRE AGRINDEX	SC 84 WG 2 AS		1.0 oz/a 0.225 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		8.3 a	0.0 a	99.0 a	99.0 a	97.7 ab
9	VALOR E22 PROWL H20 CADRE AGRINDEX	4 SC 3.8 SC 2 AS		3.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		8.3 a	1.7 a	99.0 a	99.0 a	96.3 ab
10	BRAKE SONALAN CADRE AGRINDEX	1.2 SL 3 EC 2 AS		12.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		3.3 bc	1.7 a	96.0 b	38.3 d	99.0 a
11	BRAKE PROWL H20 CADRE AGRINDEX	1.2 SL 3.8 SC 2 AS		12.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B		8.3 a	1.7 a	99.0 a	50.0 cd	96.0 ab

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 6,10,12 because error mean square = 0.
 ^Calculated from residual.

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Location:	PONDER FARM	Investigator:	Eric P. Prostko	

Weed Code	----- Arahy	----- Arahy	Amapa -----	Rapra -----	Agrass -----
Crop Code					
Part Rated					
Rating Data Type	Stunt	Bleaching	Control	Control	Control
Rating Unit	%	%	%	%	%
Rating Date	May-24-21	May-24-21	May-24-21	May-24-21	May-24-21
Trt No.	1	2	3	4	5
Treatment Name					
Form Conc					
Form Type					
Product Rate					
Product Rate Unit					
Grow Stg					
Appl Code					
12 BRAKE	6.7 ab	0.0 a	99.0 a	99.0 a	97.7 ab
PROWL H2O					
STRONGARM					
CADRE					
AGRIDEX					
LSD P=.10	3.61	2.34	2.34	23.98	10.24
Standard Deviation	2.57	1.67	1.67	17.10	7.30
CV	51.49	300.0	1.85	24.15	8.4
Grand Mean	5.00	0.56	90.39	70.81	86.92
Bartlett's X2^	6.50	25.477	43.947	9.694	12.707
P(Bartlett's X2)	0.838	0.008*	0.00*	0.558	0.313

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Location: PONDER FARM		Investigator: Eric P. Probstko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Molve ----- Control % May-24-21	Amapa ----- Control % Jun-11-21	Rapra ----- Control % Jun-11-21	Agrass ----- Control % Jun-11-21	Molve ----- Control % Jun-11-21	Amapa ----- Control % Jul-16-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	6	7	8	9	10	11
1	NTC							0.0 b	0.0 c	0.0 c	0.0 d	0.0 b	0.0 d
2	SP7104 BRAKE CADRE AGRINDEX	SC 1.2 L 2 AS		0.5 oz/a 12.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	96.3 a	97.7 ab	88.0 c	99.0 a	88.3 c
3	SP7104 BRAKE CADRE AGRINDEX	SC 1.2 L 2 AS		1.0 oz/a 12.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	99.0 a	99.0 a	89.7 bc	99.0 a	96.3 ab
4	SP7104 PROWL H20 CADRE AGRINDEX	SC 3.8 SC 2 AS		1.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	67.7 b	99.0 a	99.0 a	99.0 a	94.3 b
5	SP7104 DUAL MAGNUM CADRE AGRINDEX	SC 7.62 EC 2 AS		1.0 oz/a 16.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
6	SP7104 WARRANT CADRE AGRINDEX	SC 3 ME 2 AS		1.0 oz/a 48.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	99.0 a	99.0 a	93.0 abc	99.0 a	99.0 a
7	SP7104 OUTLOOK CADRE AGRINDEX	SC 6 EC 2 AS		1.0 oz/a 12.8 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	99.0 a	99.0 a	96.3 ab	99.0 a	97.7 ab
8	SP7104 STRONGARM CADRE AGRINDEX	SC 84 WG 2 AS		1.0 oz/a 0.225 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	97.7 a	99.0 a	97.7 a	99.0 a	94.7 ab
9	VALOR E22 PROWL H20 CADRE AGRINDEX	4 SC 3.8 SC 2 AS		3.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	99.0 a	99.0 a	97.7 a	99.0 a	97.7 ab
10	BRAKE SONALAN CADRE AGRINDEX	1.2 SL 3 EC 2 AS		12.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	94.7 a	94.3 b	97.7 a	99.0 a	85.0 c
11	BRAKE PROWL H20 CADRE AGRINDEX	1.2 SL 3.8 SC 2 AS		12.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	97.7 a	99.0 a	96.3 ab	99.0 a	94.7 ab

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Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Molve ----- Control % May-24-21	Amapa ----- Control % Jun-11-21	Rapra ----- Control % Jun-11-21	Agrass ----- Control % Jun-11-21	Molve ----- Control % Jun-11-21	Amapa ----- Control % Jul-16-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	6	7	8	9	10	11
12	BRAKE	1.2	SL	12.0	oz/a	PRE	A	99.0 a	97.7 a	99.0 a	97.7 a	99.0 a	96.3 ab
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A						
	STRONGARM	84	WG	0.225	oz/a	PRE	A						
	CADRE	2	AS	4.0	oz/a	EPOST	B						
	AGRIDEX			1.0	% v/v	EPOST	B						
LSD	P=.10							.	20.96	3.44	7.37	.	4.59
Standard Deviation								0.00	14.95	2.46	5.25	0.00	3.27
CV								0.0	17.14	2.72	5.99	0.0	3.76
Grand Mean								90.75	87.22	90.25	87.67	90.75	86.92
Bartlett's X2^								.	39.244	42.05	14.996	.	16.182
P(Bartlett's X2)								.	0.00*	0.00*	0.183	.	0.135

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE													
Trial ID: PE-17-21		Study Dir.: KYLE BRISCOE		Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Agrass ----- Control % Jul-16-21	Amapa ----- Control % Aug-5-21	Agrass ----- Control % Aug-5-21	----- ARAHY YIELD, - DIRTY LBS/PLOT Sep-29-21	----- ARAHY YIELD, - CLEAN LBS/PLOT Sep-29-21	----- ARAHY YIELD, - CLEAN LBS/A Sep-29-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	12	13	14	15	16	17
1	NTC							0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0 b
2	SP7104 BRAKE CADRE AGRINDEX	SC 1.2 L 2 AS		0.5 oz/a 12.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	85.0 b	97.7 ab	17.5 a	17.2 a	5014 a
3	SP7104 BRAKE CADRE AGRINDEX	SC 1.2 L 2 AS		1.0 oz/a 12.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	95.0 a	93.0 c	18.9 a	18.5 a	5415 a
4	SP7104 PROWL H20 CADRE AGRINDEX	SC 3.8 SC 2 AS		1.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	92.7 a	96.0 abc	19.8 a	19.4 a	5663 a
5	SP7104 DUAL MAGNUM CADRE AGRINDEX	SC 7.62 EC 2 AS		1.0 oz/a 16.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	96.3 a	99.0 a	18.4 a	18.0 a	5271 a
6	SP7104 WARRANT CADRE AGRINDEX	SC 3 ME 2 AS		1.0 oz/a 48.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	99.0 a	94.7 bc	19.0 a	18.6 a	5443 a
7	SP7104 OUTLOOK CADRE AGRINDEX	SC 6 EC 2 AS		1.0 oz/a 12.8 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	96.3 a	99.0 a	17.7 a	17.3 a	5071 a
8	SP7104 STRONGARM CADRE AGRINDEX	SC 84 WG 2 AS		1.0 oz/a 0.225 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	93.0 a	99.0 a	18.3 a	17.9 a	5233 a
9	VALOR E22 PROWL H20 CADRE AGRINDEX	4 SC 3.8 SC 2 AS		3.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	97.7 a	99.0 a	19.6 a	19.2 a	5606 a
10	BRAKE SONALAN CADRE AGRINDEX	1.2 SL 3 EC 2 AS		12.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	83.3 b	99.0 a	19.5 a	19.1 a	5587 a
11	BRAKE PROWL H20 CADRE AGRINDEX	1.2 SL 3.8 SC 2 AS		12.0 oz/a 32.0 oz/a 4.0 oz/a 1.0 % v/v		PRE PRE EPOST EPOST	A A B B	99.0 a	93.0 a	99.0 a	18.9 a	18.5 a	5415 a

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 6,10,12 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE						
Trial ID:	PE-17-21	Study Dir.:	KYLE BRISCOE			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			

Weed Code	Agrass	Amapa	Agrass	-----	-----	-----
Crop Code	-----	-----	-----	ARAHY	ARAHY	ARAHY
Part Rated				YIELD, -	YIELD, -	YIELD, -
Rating Data Type	Control	Control	Control	DIRTY	CLEAN	CLEAN
Rating Unit	%	%	%	LBS/PLOT	LBS/PLOT	LBS/A
Rating Date	Jul-16-21	Aug-5-21	Aug-5-21	Sep-29-21	Sep-29-21	Sep-29-21
Trt No.	12	13	14	15	16	17
Treatment Name						
Form Conc						
Form Type						
Product Rate						
Product Rate Unit						
Grow Stg						
Appl Code						
12 BRAKE	99.0 a	95.0 a	99.0 a	17.6 a	17.2 a	5042 a
PROWL H2O						
STRONGARM						
CADRE						
AGRIDEX						
LSD P=.10	.	6.38	3.39	2.62	2.57	750.9
Standard Deviation	0.00	4.55	2.41	1.87	1.83	535.5
CV	0.0	5.32	2.7	10.94	10.94	10.94
Grand Mean	90.75	85.53	89.53	17.09	16.75	4896.6
Bartlett's X2^	.	5.369	13.616	17.011	17.011	17.011
P(Bartlett's X2)	.	0.912	0.255	0.108	0.108	0.108

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 6,10,12 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE						
Trial ID:	PE-17-21	Study Dir.:	KYLE BRISCOE			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For ----- Arahy Stunt % May-24-21 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	500.000000				
Replicate	2	37.500000	18.750000	2.829	0.0807	
Treatment	11	316.666667	28.787879	4.343	0.0017	
Error	22	145.833333	6.628788			
Randomized Complete Block (RCB) AOV For ----- Arahy Bleaching % May-24-21 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	88.888889				
Replicate	2	5.555556	2.777778	1.000	0.3840	
Treatment	11	22.222222	2.020202	0.727	0.7020	
Error	22	61.111111	2.777778			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-24-21 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26830.555556				
Replicate	2	3.388889	1.694444	0.608	0.5532	
Treatment	11	26765.888889	2433.262626	873.592	0.0001	
Error	22	61.277778	2.785354			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-24-21 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	43077.638889				
Replicate	2	3677.555556	1838.777778	6.288	0.0069	
Treatment	11	32966.972222	2996.997475	10.249	0.0001	
Error	22	6433.111111	292.414141			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-24-21 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26658.750000				
Replicate	2	262.166667	131.083333	2.457	0.1089	
Treatment	11	25222.750000	2292.977273	42.975	0.0001	
Error	22	1173.833333	53.356061			
Randomized Complete Block (RCB) AOV For Molve ----- Control % May-24-21 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26952.750000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	26952.750000	2450.250000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-11-21 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	32702.222222				
Replicate	2	337.055556	168.527778	0.754	0.4822	
Treatment	11	27448.222222	2495.292929	11.165	0.0001	
Error	22	4916.944444	223.497475			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Jun-11-21 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26858.750000				
Replicate	2	8.666667	4.333333	0.719	0.4985	
Treatment	11	26717.416667	2428.856061	402.775	0.0001	
Error	22	132.666667	6.030303			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jun-11-21 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26318.000000				
Replicate	2	135.500000	67.750000	2.455	0.1091	
Treatment	11	25575.333333	2325.030303	84.245	0.0001	
Error	22	607.166667	27.598485			
Randomized Complete Block (RCB) AOV For Molve ----- Control % Jun-11-21 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26952.750000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	26952.750000	2450.250000	0.000	1.0000	
Error	22	0.000000	0.000000			

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE						
Trial ID:		PE-17-21	Study Dir.:		KYLE BRISCOE	
Location:		PONDER FARM	Investigator:		Eric P. Prostko	
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jul-16-21 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	25628.750000				
Replicate	2	86.000000	43.000000	4.020	0.0325	
Treatment	11	25307.416667	2300.674242	215.077	0.0001	
Error	22	235.333333	10.696970			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jul-16-21 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26952.750000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	26952.750000	2450.250000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Aug-5-21 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	25470.972222				
Replicate	2	342.388889	171.194444	8.279	0.0021	
Treatment	11	24673.638889	2243.058081	108.469	0.0001	
Error	22	454.944444	20.679293			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Aug-5-21 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26528.972222				
Replicate	2	31.055556	15.527778	2.663	0.0921	
Treatment	11	26369.638889	2397.239899	411.133	0.0001	
Error	22	128.277778	5.830808			
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD DIRTY LBS/PLOT Sep-29-21 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1060.807500				
Replicate	2	8.101667	4.050833	1.159	0.3322	
Treatment	11	975.827500	88.711591	25.386	0.0001	
Error	22	76.878333	3.494470			
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD CLEAN LBS/PLOT Sep-29-21 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1018.799523				
Replicate	2	7.780841	3.890420	1.159	0.3322	
Treatment	11	937.184731	85.198612	25.386	0.0001	
Error	22	73.833951	3.356089			
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD CLEAN LBS/A Sep-29-21 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	87066950.465064				
Replicate	2	664953.264708	332476.632354	1.159	0.3322	
Treatment	11	80092122.845047	7281102.076822	25.386	0.0001	
Error	22	6309874.355310	286812.470696			
Rating Unit % = PERCENT ARM Action Codes T1 = [15]*0.98 TY2 = 292.336*[16]						

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE													
Trial ID: PE-17-21		Study Dir.: KYLE BRISCOE											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code							----- Arahy	----- Arahy	Amapa -----	Rapra -----	Agrass -----		
Crop Code							Stunt %	Bleaching %	Control %	Control %	Control %		
Part Rated							May-24-21	May-24-21	May-24-21	May-24-21	May-24-21		
Rating Data Type													
Rating Unit													
Rating Date													
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	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	SP7104	SC		0.5 oz/a		PRE	A	102	0.0	0.0	99.0	0.0	75.0
	BRAKE	1.2 L		12.0 oz/a		PRE	A	207	0.0	5.0	99.0	65.0	90.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	308	0.0	0.0	99.0	65.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	0.0	1.7	99.0	43.3	88.0
3	SP7104	SC		1.0 oz/a		PRE	A	103	0.0	0.0	99.0	65.0	65.0
	BRAKE	1.2 L		12.0 oz/a		PRE	A	210	5.0	0.0	99.0	75.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	312	5.0	0.0	99.0	80.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	3.3	0.0	99.0	73.3	87.7
4	SP7104	SC		1.0 oz/a		PRE	A	104	0.0	0.0	99.0	50.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	201	5.0	0.0	95.0	85.0	90.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	306	10.0	0.0	99.0	85.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	5.0	0.0	97.7	73.3	96.0
5	SP7104	SC		1.0 oz/a		PRE	A	105	10.0	0.0	99.0	85.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	211	10.0	0.0	99.0	90.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	310	5.0	0.0	99.0	90.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	8.3	0.0	99.0	88.3	99.0
6	SP7104	SC		1.0 oz/a		PRE	A	106	0.0	0.0	99.0	85.0	85.0
	WARRANT	3 ME		48.0 oz/a		PRE	A	202	5.0	0.0	99.0	85.0	90.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	311	5.0	0.0	99.0	95.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	3.3	0.0	99.0	88.3	91.3
7	SP7104	SC		1.0 oz/a		PRE	A	107	5.0	0.0	99.0	99.0	85.0
	OUTLOOK	6 EC		12.8 oz/a		PRE	A	203	5.0	0.0	99.0	95.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	301	5.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	5.0	0.0	99.0	97.7	94.3
8	SP7104	SC		1.0 oz/a		PRE	A	108	10.0	0.0	99.0	99.0	99.0
	STRONGARM	84 WG		0.225 oz/a		PRE	A	212	5.0	0.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	305	10.0	0.0	99.0	99.0	95.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	8.3	0.0	99.0	99.0	97.7
9	VALOR EZ2	4 SC		3.0 oz/a		PRE	A	109	10.0	0.0	99.0	99.0	95.0
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	205	5.0	5.0	99.0	99.0	95.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	309	10.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	8.3	1.7	99.0	99.0	96.3
10	BRAKE	1.2 SL		12.0 oz/a		PRE	A	110	0.0	0.0	99.0	0.0	99.0
	SONALAN	3 EC		32.0 oz/a		PRE	A	209	5.0	0.0	99.0	50.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	307	5.0	5.0	90.0	65.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	3.3	1.7	96.0	38.3	99.0
11	BRAKE	1.2 SL		12.0 oz/a		PRE	A	111	5.0	0.0	99.0	0.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	204	10.0	0.0	99.0	65.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	302	10.0	5.0	99.0	85.0	90.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	8.3	1.7	99.0	50.0	96.0

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE

Trial ID: PE-17-21 Study Dir.: KYLE BRISCOE
 Location: PONDER FARM Investigator: Eric P. Prostko

							----- Arahy	----- Arahy	Amapa -----	Rapra -----	Agrass -----		
							Stunt %	Bleaching %	Control %	Control %	Control %		
							May-24-21	May-24-21	May-24-21	May-24-21	May-24-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5
12	BRAKE	1.2	SL	12.0 oz/a		PRE	A	112	5.0	0.0	99.0	99.0	99.0
	PROWL H20	3.8	SC	32.0 oz/a		PRE	A	206	5.0	0.0	99.0	99.0	95.0
	STRONGARM	84	WG	0.225 oz/a		PRE	A	304	10.0	0.0	99.0	99.0	99.0
	CADRE	2	AS	4.0 oz/a		EPOST	B						
	AGRIDEX			1.0 % v/v		EPOST	B						
Mean =									6.7	0.0	99.0	99.0	97.7

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE													
Trial ID: PE-17-21 Study Dir.: KYLE BRISCOE													
Location: PONDER FARM Investigator: Eric P. Prostko													
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date		Molve ----- Control % May-24-21	Amapa ----- Control % Jun-11-21	Rapra ----- Control % Jun-11-21	Agrass ----- Control % Jun-11-21	Molve ----- Control % Jun-11-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10
1	NTC							101	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	SP7104	SC		0.5 oz/a		PRE	A	102	99.0	95.0	99.0	75.0	99.0
	BRAKE	1.2 L		12.0 oz/a		PRE	A	207	99.0	99.0	99.0	90.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	308	99.0	95.0	95.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	96.3	97.7	88.0	99.0
3	SP7104	SC		1.0 oz/a		PRE	A	103	99.0	99.0	99.0	75.0	99.0
	BRAKE	1.2 L		12.0 oz/a		PRE	A	210	99.0	99.0	99.0	95.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	312	99.0	99.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	99.0	99.0	89.7	99.0
4	SP7104	SC		1.0 oz/a		PRE	A	104	99.0	99.0	99.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	201	99.0	9.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	306	99.0	95.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	67.7	99.0	99.0	99.0
5	SP7104	SC		1.0 oz/a		PRE	A	105	99.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	211	99.0	99.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	310	99.0	99.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	99.0	99.0	99.0	99.0
6	SP7104	SC		1.0 oz/a		PRE	A	106	99.0	99.0	99.0	90.0	99.0
	WARRANT	3 ME		48.0 oz/a		PRE	A	202	99.0	99.0	99.0	90.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	311	99.0	99.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	99.0	99.0	93.0	99.0
7	SP7104	SC		1.0 oz/a		PRE	A	107	99.0	99.0	99.0	95.0	99.0
	OUTLOOK	6 EC		12.8 oz/a		PRE	A	203	99.0	99.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	301	99.0	99.0	99.0	95.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	99.0	99.0	96.3	99.0
8	SP7104	SC		1.0 oz/a		PRE	A	108	99.0	95.0	99.0	99.0	99.0
	STRONGARM	84 WG		0.225 oz/a		PRE	A	212	99.0	99.0	99.0	95.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	305	99.0	99.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	97.7	99.0	97.7	99.0
9	VALOR EZ2	4 SC		3.0 oz/a		PRE	A	109	99.0	99.0	99.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	205	99.0	99.0	99.0	95.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	309	99.0	99.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	99.0	99.0	97.7	99.0
10	BRAKE	1.2 SL		12.0 oz/a		PRE	A	110	99.0	99.0	85.0	95.0	99.0
	SONALAN	3 EC		32.0 oz/a		PRE	A	209	99.0	95.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	307	99.0	90.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	94.7	94.3	97.7	99.0
11	BRAKE	1.2 SL		12.0 oz/a		PRE	A	111	99.0	99.0	99.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	204	99.0	99.0	99.0	95.0	99.0
	CADRE	2 AS		4.0 oz/a		EPOST	B	302	99.0	95.0	99.0	95.0	99.0
	AGRIDEX			1.0 % v/v		EPOST	B						
								Mean =	99.0	97.7	99.0	96.3	99.0

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE					
Trial ID:	PE-17-21	Study Dir.:	KYLE BRISCOE		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		

	Molve ----- Control % May-24-21	Amapa ----- Control % Jun-11-21	Rapra ----- Control % Jun-11-21	Agrass ----- Control % Jun-11-21	Molve ----- Control % Jun-11-21																																																																																																		
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date																																																																																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Trt No.</th> <th style="width: 10%;">Treatment Name</th> <th style="width: 10%;">Form Conc</th> <th style="width: 10%;">Form Type</th> <th style="width: 10%;">Product Rate</th> <th style="width: 10%;">Product Rate Unit</th> <th style="width: 10%;">Grow Stg</th> <th style="width: 10%;">Appl Code</th> <th style="width: 10%;">Plot</th> <th style="width: 10%;">6</th> <th style="width: 10%;">7</th> <th style="width: 10%;">8</th> <th style="width: 10%;">9</th> <th style="width: 10%;">10</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>BRAKE</td> <td>1.2</td> <td>SL</td> <td>12.0</td> <td>oz/a</td> <td>PRE</td> <td>A</td> <td>112</td> <td>99.0</td> <td>95.0</td> <td>99.0</td> <td>99.0</td> <td>99.0</td> </tr> <tr> <td></td> <td>PROWL H20</td> <td>3.8</td> <td>SC</td> <td>32.0</td> <td>oz/a</td> <td>PRE</td> <td>A</td> <td>206</td> <td>99.0</td> <td>99.0</td> <td>99.0</td> <td>95.0</td> <td>99.0</td> </tr> <tr> <td></td> <td>STRONGARM</td> <td>84</td> <td>WG</td> <td>0.225</td> <td>oz/a</td> <td>PRE</td> <td>A</td> <td>304</td> <td>99.0</td> <td>99.0</td> <td>99.0</td> <td>99.0</td> <td>99.0</td> </tr> <tr> <td></td> <td>CADRE</td> <td>2</td> <td>AS</td> <td>4.0</td> <td>oz/a</td> <td>EPOST</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>AGRIDEX</td> <td></td> <td></td> <td>1.0</td> <td>% v/v</td> <td>EPOST</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td colspan="8" style="text-align: right;">Mean =</td> <td>99.0</td> <td>97.7</td> <td>99.0</td> <td>97.7</td> <td>99.0</td> </tr> </tbody> </table>	Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10	12	BRAKE	1.2	SL	12.0	oz/a	PRE	A	112	99.0	95.0	99.0	99.0	99.0		PROWL H20	3.8	SC	32.0	oz/a	PRE	A	206	99.0	99.0	99.0	95.0	99.0		STRONGARM	84	WG	0.225	oz/a	PRE	A	304	99.0	99.0	99.0	99.0	99.0		CADRE	2	AS	4.0	oz/a	EPOST	B								AGRIDEX			1.0	% v/v	EPOST	B								Mean =								99.0	97.7	99.0	97.7	99.0					
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10																																																																																										
12	BRAKE	1.2	SL	12.0	oz/a	PRE	A	112	99.0	95.0	99.0	99.0	99.0																																																																																										
	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	206	99.0	99.0	99.0	95.0	99.0																																																																																										
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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE														
Trial ID: PE-17-21		Study Dir.: KYLE BRISCOE												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Amapa ----- Control % Jul-16-21	Agrass ----- Control % Jul-16-21	Amapa ----- Control % Aug-5-21	Agrass ----- Control % Aug-5-21	----- ARAHY YIELD, - DIRTY LBS/PLOT Sep-29-21				
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	11	12	13	14	15	
1	NTC							101	0.0	0.0	0.0	0.0	0.0	
								208	0.0	0.0	0.0	0.0	0.0	
								303	0.0	0.0	0.0	0.0	0.0	
								Mean =	0.0	0.0	0.0	0.0	0.0	
2	SP7104 BRAKE CADRE AGRINDEX	SC		0.5 oz/a		PRE	A	102	85.0	99.0	85.0	95.0	14.8	
			1.2 L	12.0 oz/a		PRE	A	207	95.0	99.0	95.0	99.0	17.7	
		2 AS		4.0 oz/a		EPOST	B	308	85.0	99.0	75.0	99.0	20.0	
				1.0 % v/v		EPOST	B							
								Mean =	88.3	99.0	85.0	97.7	17.5	
3	SP7104 BRAKE CADRE AGRINDEX	SC		1.0 oz/a		PRE	A	103	95.0	99.0	95.0	90.0	19.7	
			1.2 L	12.0 oz/a		PRE	A	210	95.0	99.0	95.0	90.0	19.8	
		2 AS		4.0 oz/a		EPOST	B	312	99.0	99.0	95.0	99.0	17.2	
				1.0 % v/v		EPOST	B							
								Mean =	96.3	99.0	95.0	93.0	18.9	
4	SP7104 PROWL H20 CADRE AGRINDEX	SC		1.0 oz/a		PRE	A	104	99.0	99.0	99.0	99.0	20.5	
			3.8 SC	32.0 oz/a		PRE	A	201	99.0	99.0	99.0	90.0	19.5	
		2 AS		4.0 oz/a		EPOST	B	306	85.0	99.0	80.0	99.0	19.3	
				1.0 % v/v		EPOST	B							
								Mean =	94.3	99.0	92.7	96.0	19.8	
5	SP7104 DUAL MAGNUM CADRE AGRINDEX	SC		1.0 oz/a		PRE	A	105	99.0	99.0	99.0	99.0	19.7	
			7.62 EC	16.0 oz/a		PRE	A	211	99.0	99.0	95.0	99.0	17.3	
		2 AS		4.0 oz/a		EPOST	B	310	99.0	99.0	95.0	99.0	18.2	
				1.0 % v/v		EPOST	B							
								Mean =	99.0	99.0	96.3	99.0	18.4	
6	SP7104 WARRANT CADRE AGRINDEX	SC		1.0 oz/a		PRE	A	106	99.0	99.0	99.0	95.0	17.8	
			3 ME	48.0 oz/a		PRE	A	202	99.0	99.0	99.0	90.0	18.9	
		2 AS		4.0 oz/a		EPOST	B	311	99.0	99.0	99.0	99.0	20.3	
				1.0 % v/v		EPOST	B							
								Mean =	99.0	99.0	99.0	94.7	19.0	
7	SP7104 OUTLOOK CADRE AGRINDEX	SC		1.0 oz/a		PRE	A	107	99.0	99.0	99.0	99.0	19.6	
			6 EC	12.8 oz/a		PRE	A	203	99.0	99.0	95.0	99.0	19.2	
		2 AS		4.0 oz/a		EPOST	B	301	95.0	99.0	95.0	99.0	14.3	
				1.0 % v/v		EPOST	B							
								Mean =	97.7	99.0	96.3	99.0	17.7	
8	SP7104 STRONGARM CADRE AGRINDEX	SC		1.0 oz/a		PRE	A	108	99.0	99.0	99.0	99.0	20.2	
			84 WG	0.225 oz/a		PRE	A	212	95.0	99.0	95.0	99.0	16.8	
		2 AS		4.0 oz/a		EPOST	B	305	90.0	99.0	85.0	99.0	17.8	
				1.0 % v/v		EPOST	B							
								Mean =	94.7	99.0	93.0	99.0	18.3	
9	VALOR EZ2 PROWL H20 CADRE AGRINDEX	4 SC		3.0 oz/a		PRE	A	109	99.0	99.0	99.0	99.0	18.8	
			3.8 SC	32.0 oz/a		PRE	A	205	99.0	99.0	99.0	99.0	19.7	
		2 AS		4.0 oz/a		EPOST	B	309	95.0	99.0	95.0	99.0	20.2	
				1.0 % v/v		EPOST	B							
								Mean =	97.7	99.0	97.7	99.0	19.6	
10	BRAKE SONALAN CADRE AGRINDEX	1.2 SL		12.0 oz/a		PRE	A	110	85.0	99.0	85.0	99.0	23.2	
			3 EC	32.0 oz/a		PRE	A	209	85.0	99.0	90.0	99.0	16.8	
		2 AS		4.0 oz/a		EPOST	B	307	85.0	99.0	75.0	99.0	18.5	
				1.0 % v/v		EPOST	B							
								Mean =	85.0	99.0	83.3	99.0	19.5	
11	BRAKE PROWL H20 CADRE AGRINDEX	1.2 SL		12.0 oz/a		PRE	A	111	99.0	99.0	99.0	99.0	20.9	
			3.8 SC	32.0 oz/a		PRE	A	204	95.0	99.0	95.0	99.0	19.8	
		2 AS		4.0 oz/a		EPOST	B	302	90.0	99.0	85.0	99.0	16.0	
				1.0 % v/v		EPOST	B							
								Mean =	94.7	99.0	93.0	99.0	18.9	

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE

Trial ID: PE-17-21 Study Dir.: KYLE BRISCOE
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Amapa	Agrass	Amapa	Agrass	-----
Crop Code	-----	-----	-----	-----	ARAHY
Part Rated					YIELD, -
Rating Data Type	Control	Control	Control	Control	DIRTY
Rating Unit	%	%	%	%	LBS/PLOT
Rating Date	Jul-16-21	Jul-16-21	Aug-5-21	Aug-5-21	Sep-29-21
Trt Treatment					
No. Name	11	12	13	14	15
Form Conc					
Form Type					
Product Rate					
Product Rate					
Grow Unit					
Stg					
Appl Code					
Plot					
12 BRAKE	95.0	99.0	95.0	99.0	17.5
PROWL H20	99.0	99.0	95.0	99.0	18.1
STRONGARM	95.0	99.0	95.0	99.0	17.2
CADRE					
AGRIDEX					
Mean =	96.3	99.0	95.0	99.0	17.6

University of Georgia

WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE										
Trial ID: PE-17-21		Study Dir.: KYLE BRISCOE								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- ARAHY YIELD, - CLEAN LBS/PLOT Sep-29-21	----- ARAHY YIELD, - CLEAN LBS/A Sep-29-21			
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	16	17
1	NTC							101	0.0	0
								208	0.0	0
								303	0.0	0
								Mean =	0.0	0
2	SP7104	SC		0.5 oz/a		PRE	A	102	14.5	4240
	BRAKE	1.2 L		12.0 oz/a		PRE	A	207	17.3	5071
	CADRE	2 AS		4.0 oz/a		EPOST	B	308	19.6	5730
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	17.2	5014
3	SP7104	SC		1.0 oz/a		PRE	A	103	19.3	5644
	BRAKE	1.2 L		12.0 oz/a		PRE	A	210	19.4	5672
	CADRE	2 AS		4.0 oz/a		EPOST	B	312	16.9	4928
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	18.5	5415
4	SP7104	SC		1.0 oz/a		PRE	A	104	20.1	5873
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	201	19.1	5587
	CADRE	2 AS		4.0 oz/a		EPOST	B	306	18.9	5529
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	19.4	5663
5	SP7104	SC		1.0 oz/a		PRE	A	105	19.3	5644
	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	211	17.0	4956
	CADRE	2 AS		4.0 oz/a		EPOST	B	310	17.8	5214
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	18.0	5271
6	SP7104	SC		1.0 oz/a		PRE	A	106	17.4	5100
	WARRANT	3 ME		48.0 oz/a		PRE	A	202	18.5	5415
	CADRE	2 AS		4.0 oz/a		EPOST	B	311	19.9	5816
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	18.6	5443
7	SP7104	SC		1.0 oz/a		PRE	A	107	19.2	5615
	OUTLOOK	6 EC		12.8 oz/a		PRE	A	203	18.8	5501
	CADRE	2 AS		4.0 oz/a		EPOST	B	301	14.0	4097
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	17.3	5071
8	SP7104	SC		1.0 oz/a		PRE	A	108	19.8	5787
	STRONGARM	84 WG		0.225 oz/a		PRE	A	212	16.5	4813
	CADRE	2 AS		4.0 oz/a		EPOST	B	305	17.4	5100
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	17.9	5233
9	VALOR EZ2	4 SC		3.0 oz/a		PRE	A	109	18.4	5386
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	205	19.3	5644
	CADRE	2 AS		4.0 oz/a		EPOST	B	309	19.8	5787
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	19.2	5606
10	BRAKE	1.2 SL		12.0 oz/a		PRE	A	110	22.7	6647
	SONALAN	3 EC		32.0 oz/a		PRE	A	209	16.5	4813
	CADRE	2 AS		4.0 oz/a		EPOST	B	307	18.1	5300
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	19.1	5587
11	BRAKE	1.2 SL		12.0 oz/a		PRE	A	111	20.5	5988
	PROWL H20	3.8 SC		32.0 oz/a		PRE	A	204	19.4	5672
	CADRE	2 AS		4.0 oz/a		EPOST	B	302	15.7	4584
	AGRINDEX			1.0 % v/v		EPOST	B			
								Mean =	18.5	5415

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE

Trial ID: PE-17-21 Study Dir.: KYLE BRISCOE
 Location: PONDER FARM Investigator: Eric P. Prostko

	----- ARAHY YIELD, - CLEAN LBS/PLOT Sep-29-21	----- ARAHY YIELD, - CLEAN LBS/A Sep-29-21																																																																						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date																																																																								
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Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Plot																																																																
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		17.2	5014																																																																					
		17.7	5185																																																																					
		16.9	4928																																																																					
		17.2	5042																																																																					

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WEED CONTROL IN PEANUT WITH SP7104 AND BRAKE			
Trial ID:	PE-17-21	Study Dir.:	KYLE BRISCOE
Location:	PONDER FARM	Investigator:	Eric P. Prostko
<u>Rating Unit</u> % = PERCENT <u>ARM Action Codes</u> T1 = [15]*0.98 TY2 = 292.336*[16]			