

University of Georgia

WEED CONTROL IN PEANUT WITH STRONGARM
YEAR 2

Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG
Location: ATTAPULGUS Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 20 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC									-	101	208	312
2	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1472.8 mL	102	201	310
	VALOR SX	51	WG	3.0 oz/a		PRE	A	15 GPA	2.247 g/mx				
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx				
	2,4-DB	1.75	SL	18.0 oz/a		POST	C	15 GAL/AC	14.06 mL/mx				
	EVERPREX	7.62	EC	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx				
3	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1474.8 mL	103	202	304
	STRONGARM	84	WG	0.225 oz/a		PRE	A	15 GPA	0.1685 g/mx				
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx				
	2,4-DB	1.75	SL	18.0 oz/a		POST	C	15 GAL/AC	14.06 mL/mx				
	EVERPREX	7.62	EC	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx				
4	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1472.4 mL	104	210	302
	VALOR SX	51	WG	3.0 oz/a		PRE	A	15 GPA	2.247 g/mx				
	STRONGARM	84	WG	0.45 oz/a		PRE	A	15 GPA	0.337 g/mx				
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx				
	2,4-DB	1.75	SL	18.0 oz/a		POST	C	15 GAL/AC	14.06 mL/mx				
5	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1474.7 mL	105	204	311
	STRONGARM	84	WG	0.45 oz/a		PRE	A	15 GPA	0.337 g/mx				
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx				
	2,4-DB	1.75	SL	18.0 oz/a		POST	C	15 GAL/AC	14.06 mL/mx				
	EVERPREX	7.62	EC	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx				
6	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1474.8 mL	106	209	306
	STRONGARM	84	WG	0.225 oz/a		PRE	A	15 GPA	0.1685 g/mx				
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx				
	STRONGARM	84	WG	0.225 oz/a		POST	C	15 GAL/AC	0.1685 g/mx				
	2,4-DB	1.75	SL	18.0 oz/a		POST	C	15 GAL/AC	14.06 mL/mx				
7	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	107	203	301
	GRAMOXONE	2	SL	12.0 oz/a		EPOST	B	15 GPA	9.374 mL/mx				
	STORM	4	SL	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
	EVERPREX	7.62	EC	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx				
8	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	108	211	303
	GRAMOXONE	2	SL	12.0 oz/a		EPOST	B	15 GPA	9.374 mL/mx				
	STORM	4	SL	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
	STRONGARM	84	WG	0.225 oz/a		EPOST	B	15 GPA	0.1685 g/mx				
	EVERPREX	7.62	EC	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
9	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	109	206	305
	STRONGARM	84	WG	0.45 oz/a		EPOST	B	15 GPA	0.337 g/mx				
	EVERPREX	7.62	SC	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
10	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	110	212	308
	STRONGARM	84	WG	0.30 oz/a		EPOST	B	15 GPA	0.2247 g/mx				
	EVERPREX	7.62	SC	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
11	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	111	205	307
	GRAMOXONE	2	SL	12.0 oz/a		EPOST	B	15 GPA	9.374 mL/mx				
	STORM	4	SL	16.0 oz/a		EPOST	B	15 GPA	12.5 mL/mx				
	STRONGARM	84	WG	0.225 oz/a		EPOST	B	15 GPA	0.1685 g/mx				
	NIS			0.25 % v/v		EPOST	B	15 GPA	3.75 mL/mx				
11	STRONGARM	84	WG	0.225 oz/a		POST	C	15 GAL/AC	0.1685 g/mx	1487.3 mL			
	EVERPREX	7.62	EC	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx				

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2	
Trial ID: PE-15-19	Study Dir.: JOHN RICHBURG
Location: ATTAPULGUS	Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 20 feet
 Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep		
											1	2	3
12	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.6 mL	112	207	309
	VALOR SX	51	WG	3.0	oz/a	PRE	A	15 GPA	2.247 g/mx				
	STRONGARM	84	WG	0.225	oz/a	PRE	A	15 GPA	0.1685 g/mx				
	CADRE	2	AS	4.0	oz/a	POST	C	15 GAL/AC	3.125 mL/mx	1470.1 mL			
	STRONGARM	84	WG	0.225	oz/a	POST	C	15 GAL/AC	0.1685 g/mx				
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	15 GAL/AC	14.06 mL/mx				
	EVERPREX	7.62	EC	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx				

Sort Order: Treatment

Trial Comments

TRT # 3 WAS SUPPOSED TO INCLUDE VALOR PRE BUT THERE WAS A MIXING ERROR.

TOTAL WEED COVER INCLUDES ALL WEED SPECIES BUT MOSTLY REFLECTS YELLOW NUTSEDGE AND SICKLEPOD CONTROL.

SUMMARY:

1) GENERALLY, ALL TREATMENTS PROVIDED EXCELLENT CONTROL (>90%) OF PALMER AMARANTH, ANNUAL GRASSES, AND FLORIDA BEGGARWEED.

2) ON JULY 17 (71 DAP) ALL TREATMENTS REDUCED TOTAL WEED COVER TO 10% OR LESS EXCEPT TREATMENTS WHICH INCLUDED ONLY EPOST/POST APPLICATIONS OF STRONGARM (I.E. TRTS # 9, 10, 11). THESE TREATMENTS DID NOT ADEQUATELY CONTROL SICKLEPOD AND/OR NUTSEDGE.

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WEED CONTROL IN PEANUT WITH STRONGARM
 YEAR 2
 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG
 Location: ATTAPULGUS Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JOHN RICHBURG **Title:** _____
Affiliation: _____ **Postal Code:** _____

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

Trial Status: E **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective:
Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH **2.** AGRASS TX PANICUM/GOOSE/CRAB/CROW
Weed 3. DEDTO FLORIDA BEGGARWEED **4.** IAQTA SMALLFLOWER MG
Weed 5. CASOB SICKLEPOD **6.** CYPSP YELLOW/PURPLE NUTSEDGE

Crop 1: ARAHY PEANUT **Variety:** GA-06G **Planting Date:** May-7-19
Planting Method: MONOSEM **Rate:** 6 SEED/FT **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** DRY **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 20 FT **Reps:** 3
Site Type:
Tillage Type: CONVENTIONAL **Study Design:** RACOBL
Trial Initiation Comments: THIMET INFR @ 5 LBS/A; RANCONA VPD SEED TRT

Previous: Crops **Pesticides** **Year**
 1. FALLOW 2018 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: LOAMY SAND **% OM:** 1.59 **% Sand:** 84 **% Silt:** 6 **% Clay:** 10
pH: 6.0 **CEC:** _____ **Soil Name:** ORANGEBURG **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-8-19		0.5	IN	SPRINKLER - CENTER PIVOT		
2.	May-9-19		0.44	IN	RAINFALL		
3.	May-10-19		0.06	IN	RAINFALL		
4.	May-11-19		0.03	IN	RAINFALL		
5.	May-12-19		0.16	IN	RAINFALL		
6.	May-15-19		0.5	IN	SPRINKLER - CENTER PIVOT		
7.	May-20-19		0.5	IN	SPRINKLER - CENTER PIVOT		
8.	May-23-19		0.5	IN	SPRINKLER - CENTER PIVOT		
9.	May-30-19		0.5	IN	SPRINKLER - CENTER PIVOT		
10.	Jun-4-19		0.5	IN	SPRINKLER - CENTER PIVOT		
11.	Jul-2-19		0.5	IN	SPRINKLER - CENTER PIVOT		

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

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WEED CONTROL IN PEANUT WITH STRONGARM
YEAR 2
 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG
 Location: ATTAPULGUS Investigator: Eric P. Prostko

APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	May-8-19	May-17-19	Jun-3-19	_____	_____	_____
Time of Day:	7:45 AM	10:00 AM	8:50 AM	_____	_____	_____
Application Method:	BROADCAST	BROADCAST	BROADCAST	_____	_____	_____
Application Timing:	PRE	EPOST	POST	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	_____	_____	_____
Air Temp., Unit:	68 F	78 F	78 F	_____	_____	_____
% Relative Humidity:	90	58	73	_____	_____	_____
Wind Velocity, Unit:	2 MPH	2 MPH	0 MPH	_____	_____	_____
Dew Presence (Y/N):	N	N	N	_____	_____	_____
Water Hardness:	__	__	__	_____	_____	_____
Soil Temp., Unit:	75 F	76 F	79 F	_____	_____	_____
Soil Moisture:	DRY	OPTIMUM	DRY	_____	_____	_____
% Cloud Cover:	0	30	0	_____	_____	_____

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	V3-V4	R1	_____	_____	_____
Stage Scale:	_____	2" T; 3-4" W	5-6" T; 6-8	_____	_____	_____
Height, Unit:	_____	_____	_____	_____	_____	_____

WEED STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Weed 1 Stage:	AMAPA	0.5" T	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2 Stage:	AGRASS	0.5" T	2-3" T	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3 Stage:	DEDTO	0.5" T	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 4 Stage:	IAQTA	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 5 Stage:	CASOB	0.5" T	2-6" T	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 6 Stage:	CYPSP	3-5" T	6-12" T	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____

APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	SAME AS B	_____	_____	_____
Operating Pressure:	38	40	_____	_____	_____	_____
Nozzle Type:	TTI	AIXR	_____	_____	_____	_____
Nozzle Size:	11002	11002	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN 20	IN	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN 60	IN	_____	_____	_____
Boom Height, Unit:	20	IN 20	IN	_____	_____	_____
Ground Speed, Unit:	3.5	MPH 3.5	MPH	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____
Carrier:	WATER	WATER	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA 15	GPA	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____
Propellant:	CO2	CO2	_____	_____	_____	_____
Tank Mix (Y/N):	__	__	__	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2							-----	AGRASS	DEDTO	CYPSP	AMAPA	AGRASS	-----
Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko							-----	-----	-----	-----	-----	-----	-----
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date		Injury Percent May-17-19	Control Percent May-17-19	Control Percent May-17-19	Control Percent May-17-19	Control Percent May-31-19	Control Percent Jun-7-19	ARAHY Leaf - Burn Percent Jun-12-19
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6	7
No.	Name	Conc	Type	Rate	Unit	Stg	Code						
1	NTC							0.0 d	0.0 c	0.0 c	0.0 e	0.0 b	0.0 d
2	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			3.3 cd	99.0 a	99.0 a	38.3 bcd	99.0 a	99.0 a
	VALOR SX	51 WG	3.0 oz/a	PRE	A								
	CADRE	2 AS	4.0 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
3	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			8.3 ab	96.3 ab	99.0 a	75.0 a	99.0 a	99.0 a
	STRONGARM	84 WG	0.225 oz/a	PRE	A								
	CADRE	2 AS	4.0 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
4	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			11.7 a	99.0 a	99.0 a	63.3 ab	99.0 a	97.7 ab
	VALOR SX	51 WG	3.0 oz/a	PRE	A								
	STRONGARM	84 WG	0.45 oz/a	PRE	A								
	CADRE	2 AS	4.0 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
5	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			11.7 a	96.3 ab	97.7 a	81.7 a	99.0 a	96.3 bc
	STRONGARM	84 WG	0.45 oz/a	PRE	A								
	CADRE	2 AS	4.0 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
6	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			11.7 a	94.7 ab	66.0 ab	43.3 bc	99.0 a	99.0 a
	STRONGARM	84 WG	0.225 oz/a	PRE	A								
	CADRE	2 AS	4.0 oz/a	POST	C								
	STRONGARM	84 WG	0.225 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
7	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			6.7 bc	96.3 ab	64.7 ab	28.3 cd	99.0 a	99.0 a
	GRAMOXONE	2 SL	12.0 oz/a	EPOST	B								
	STORM	4 SL	16.0 oz/a	EPOST	B								
	EVERPREX	7.62 EC	16.0 oz/a	EPOST	B								
	CADRE	2 AS	4.0 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
8	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			6.7 bc	97.7 ab	28.3 bc	16.7 de	99.0 a	99.0 a
	GRAMOXONE	2 SL	12.0 oz/a	EPOST	B								
	STORM	4 SL	16.0 oz/a	EPOST	B								
	STRONGARM	84 WG	0.225 oz/a	EPOST	B								
	EVERPREX	7.62 EC	16.0 oz/a	EPOST	B								
	CADRE	2 AS	4.0 oz/a	POST	C								
	2,4-DB	1.75 SL	18.0 oz/a	POST	C								
	STRONGARM	84 WG	0.225 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								
9	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			6.7 bc	97.7 ab	60.0 ab	23.3 cde	99.0 a	99.0 a
	STRONGARM	84 WG	0.45 oz/a	EPOST	B								
	EVERPREX	7.62 SC	16.0 oz/a	EPOST	B								
10	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			6.7 bc	94.3 b	33.0 bc	13.3 de	99.0 a	96.3 bc
	STRONGARM	84 WG	0.30 oz/a	EPOST	B								
	EVERPREX	7.62 SC	16.0 oz/a	EPOST	B								
11	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			6.7 bc	97.7 ab	63.0 ab	0.0 e	99.0 a	99.0 a
	GRAMOXONE	2 SL	12.0 oz/a	EPOST	B								
	STORM	4 SL	16.0 oz/a	EPOST	B								
	STRONGARM	84 WG	0.225 oz/a	EPOST	B								
	NIS		0.25 % v/v	EPOST	B								
	STRONGARM	84 WG	0.225 oz/a	POST	C								
	EVERPREX	7.62 EC	16.0 oz/a	POST	C								

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 5,8,10,13,14 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko														
Weed Code						----- ARAHY	AGRASS -----	DEDTO -----	CYPSP -----	AMAPA -----	AGRASS -----	----- ARAHY Leaf - Burn Percent		
Crop Code						Injury Percent	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent			
Part Rated						May-17-19	May-17-19	May-17-19	May-17-19	May-31-19	Jun-7-19	Jun-12-19		
Rating Data Type														
Rating Unit														
Rating Date														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code							
								1	2	3	4	5	6	7
12	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	10.0 ab	99.0 a	99.0 a	60.0 ab	99.0 a	94.7 c	6.7 bc
	VALOR SX	51	WG	3.0	oz/a	PRE	A							
	STRONGARM	84	WG	0.225	oz/a	PRE	A							
	CADRE	2	AS	4.0	oz/a	POST	C							
	STRONGARM	84	WG	0.225	oz/a	POST	C							
	2,4-DB	1.75	SL	18.0	oz/a	POST	C							
	EVERPREX	7.62	EC	16.0	oz/a	POST	C							
LSD P=.10								4.09	4.36	48.25	25.81	.	2.31	2.56
Standard Deviation								2.92	3.11	34.42	18.41	0.00	1.64	1.83
CV								38.92	3.5	51.07	49.83	0.0	1.83	37.63
Grand Mean								7.50	89.00	67.39	36.94	90.75	89.83	4.86
Bartlett's X2								3.441	7.701	9.641	7.774	0.00	1.505	0.00
P(Bartlett's X2)								0.969	0.36	0.141	0.557	.	0.681	1.00

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 5,8,10,13,14 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2						AMAPA	AGRASS	AMAPA	AGRASS	Total	AMAPA	DEDTO	AGRASS		
Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko						-----	-----	-----	-----	Weed -	-----	-----	-----		
Weed Code						Control	Control	Control	Control	Coverage	Control	Control	Control		
Crop Code						Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Part Rated						Jun-12-19	Jun-12-19	Jun-24-19	Jun-24-19	Jun-24-19	Jul-10-19	Jul-11-19	Jul-17-19		
Rating Data Type															
Rating Unit															
Rating Date															
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	8	9	10	11	12	13	14	15
1	NTC							0.0 b	0.0 c	0.0 b	0.0 c	100.0 a	0.0 b	0.0 b	0.0 c
2	PROWL H20 VALOR SX CADRE 2,4-DB EVERPREX	3.8 51 2 1.75 7.62	SC WG AS SL EC	32.0 3.0 4.0 18.0 16.0	oz/a oz/a oz/a oz/a oz/a	PRE PRE POST POST POST	A A C C C	99.0 a	99.0 a	99.0 a	99.0 a	46.7 d	99.0 a	99.0 a	99.0 a
3	PROWL H20 STRONGARM CADRE 2,4-DB EVERPREX	3.8 84 2 1.75 7.62	SC WG AS SL EC	32.0 0.225 4.0 18.0 16.0	oz/a oz/a oz/a oz/a oz/a	PRE PRE POST POST POST	A A C C C	99.0 a	99.0 a	99.0 a	99.0 a	21.7 f	99.0 a	99.0 a	97.7 a
4	PROWL H20 VALOR SX STRONGARM CADRE 2,4-DB EVERPREX	3.8 51 84 2 1.75 7.62	SC WG WG AS SL EC	32.0 3.0 0.45 4.0 18.0 16.0	oz/a oz/a oz/a oz/a oz/a oz/a	PRE PRE PRE POST POST POST	A A A C C C	99.0 a	97.7 ab	99.0 a	99.0 a	26.7 f	99.0 a	99.0 a	99.0 a
5	PROWL H20 STRONGARM CADRE 2,4-DB EVERPREX	3.8 84 2 1.75 7.62	SC WG AS SL EC	32.0 0.45 4.0 18.0 16.0	oz/a oz/a oz/a oz/a oz/a	PRE PRE POST POST POST	A A C C C	99.0 a	97.7 ab	99.0 a	99.0 a	18.3 f	99.0 a	99.0 a	97.7 a
6	PROWL H20 STRONGARM CADRE STRONGARM 2,4-DB EVERPREX	3.8 84 2 84 1.75 7.62	SC WG AS WG SL EC	32.0 0.225 4.0 0.225 18.0 16.0	oz/a oz/a oz/a oz/a oz/a oz/a	PRE PRE POST POST POST POST	A A C C C C	99.0 a	97.7 ab	99.0 a	99.0 a	41.7 de	99.0 a	99.0 a	99.0 a
7	PROWL H20 GRAMOXONE STORM EVERPREX CADRE 2,4-DB EVERPREX	3.8 2 4 7.62 2 1.75 7.62	SC SL SL EC AS SL EC	32.0 12.0 16.0 16.0 4.0 18.0 16.0	oz/a oz/a oz/a oz/a oz/a oz/a oz/a	PRE EPOST EPOST EPOST POST POST POST	A B B B C C C	99.0 a	99.0 a	99.0 a	99.0 a	45.0 d	99.0 a	99.0 a	99.0 a
8	PROWL H20 GRAMOXONE STORM STRONGARM EVERPREX CADRE 2,4-DB STRONGARM EVERPREX	3.8 2 4 84 7.62 2 1.75 84 7.62	SC SL SL WG EC AS SL WG EC	32.0 12.0 16.0 0.225 16.0 4.0 18.0 0.225 16.0	oz/a oz/a oz/a oz/a oz/a oz/a oz/a oz/a oz/a	PRE EPOST EPOST EPOST EPOST POST POST POST POST	A B B B B C C C C	99.0 a	99.0 a	99.0 a	99.0 a	30.0 ef	99.0 a	99.0 a	99.0 a
9	PROWL H20 STRONGARM EVERPREX	3.8 84 7.62	SC WG SC	32.0 0.45 16.0	oz/a oz/a oz/a	PRE EPOST EPOST	A B B	99.0 a	99.0 a	99.0 a	99.0 a	60.0 c	99.0 a	99.0 a	94.7 b
10	PROWL H20 STRONGARM EVERPREX	3.8 84 7.62	SC WG SC	32.0 0.30 16.0	oz/a oz/a oz/a	PRE EPOST EPOST	A B B	99.0 a	97.7 ab	99.0 a	96.0 b	73.3 b	99.0 a	99.0 a	93.3 b
11	PROWL H20 GRAMOXONE STORM STRONGARM NIS STRONGARM EVERPREX	3.8 2 4 84 0.25 84 7.62	SC SL SL WG v/v WG EC	32.0 12.0 16.0 0.225 0.25 0.225 16.0	oz/a oz/a oz/a oz/a % v/v oz/a oz/a	PRE EPOST EPOST EPOST EPOST POST POST	A B B B B C C	99.0 a	99.0 a	99.0 a	99.0 a	63.3 bc	99.0 a	99.0 a	97.7 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 5,8,10,13,14 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko															
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						AMAPA ----- Control Percent Jun-12-19	AGRASS ----- Control Percent Jun-12-19	AMAPA ----- Control Percent Jun-24-19	AGRASS ----- Control Percent Jun-24-19	Total Weed - Coverage Percent Jun-24-19	AMAPA ----- Control Percent Jul-10-19	DEDTO ----- Control Percent Jul-11-19	AGRASS ----- Control Percent Jul-17-19		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	8	9	10	11	12	13	14	15
12	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	99.0 a	96.0 b	99.0 a	97.7 ab	46.7 d	99.0 a	99.0 a	97.7 a
	VALOR SX	51	WG	3.0	oz/a	PRE	A								
	STRONGARM	84	WG	0.225	oz/a	PRE	A								
	CADRE	2	AS	4.0	oz/a	POST	C								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
LSD P=.10								.	2.89	.	2.34	13.22	.	.	2.88
Standard Deviation								0.00	2.06	0.00	1.67	9.43	0.00	0.00	2.05
CV								0.0	2.29	0.0	1.85	19.74	0.0	0.0	2.29
Grand Mean								90.75	90.06	90.75	90.39	47.78	90.75	90.75	89.47
Bartlett's X2								0.00	2.534	0.00	1.168	2.693	0.00	0.00	1.652
P(Bartlett's X2)								.	0.638	.	0.28	0.988	.	.	0.895

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 Could not calculate LSD (% mean diff) for columns 5,8,10,13,14 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2								
Trial ID: PE-15-19		Study Dir.: JOHN RICHBURG						
Location: ATTAPULGUS		Investigator: Eric P. Prostko						
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Total Weed Cover - Percent Jul-17-19		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	
1	NTC							100.0 a
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	8.3 de
	VALOR SX	51	WG	3.0	oz/a	PRE	A	
	CADRE	2	AS	4.0	oz/a	POST	C	
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	
	EVERPREX	7.62	EC	16.0	oz/a	POST	C	
3	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	5.0 de
	STRONGARM	84	WG	0.225	oz/a	PRE	A	
	CADRE	2	AS	4.0	oz/a	POST	C	
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	
	EVERPREX	7.62	EC	16.0	oz/a	POST	C	
4	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	3.3 de
	VALOR SX	51	WG	3.0	oz/a	PRE	A	
	STRONGARM	84	WG	0.45	oz/a	PRE	A	
	CADRE	2	AS	4.0	oz/a	POST	C	
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	1.7 e
	STRONGARM	84	WG	0.45	oz/a	PRE	A	
	CADRE	2	AS	4.0	oz/a	POST	C	
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	
	EVERPREX	7.62	EC	16.0	oz/a	POST	C	
6	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	10.0 d
	STRONGARM	84	WG	0.225	oz/a	PRE	A	
	CADRE	2	AS	4.0	oz/a	POST	C	
	STRONGARM	84	WG	0.225	oz/a	POST	C	
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	
7	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	8.3 de
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	
	STORM	4	SL	16.0	oz/a	EPOST	B	
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B	
	CADRE	2	AS	4.0	oz/a	POST	C	
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	3.3 de
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	
	STORM	4	SL	16.0	oz/a	EPOST	B	
	STRONGARM	84	WG	0.225	oz/a	EPOST	B	
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B	
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	65.0 b
	STRONGARM	84	WG	0.45	oz/a	EPOST	B	
	EVERPREX	7.62	SC	16.0	oz/a	EPOST	B	
10	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	68.3 b
	STRONGARM	84	WG	0.30	oz/a	EPOST	B	
	EVERPREX	7.62	SC	16.0	oz/a	EPOST	B	
11	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	56.7 c
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	
	STORM	4	SL	16.0	oz/a	EPOST	B	
	STRONGARM	84	WG	0.225	oz/a	EPOST	B	
	NIS			0.25	% v/v	EPOST	B	
	STRONGARM	84	WG	0.225	oz/a	POST	C	
	EVERPREX	7.62	EC	16.0	oz/a	POST	C	

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 Could not calculate LSD (% mean diff) for columns 5,8,10,13,14 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko								
Weed Code						Total Weed Cover -		
Crop Code						Percent		
Part Rated						Jul-17-19		
Rating Data Type								
Rating Unit								
Rating Date								
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	16
12	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	6.7 de
	VALOR SX	51	WG	3.0	oz/a	PRE	A	
	STRONGARM	84	WG	0.225	oz/a	PRE	A	
	CADRE	2	AS	4.0	oz/a	POST	C	
	STRONGARM	84	WG	0.225	oz/a	POST	C	
	2,4-DB	1.75	SL	18.0	oz/a	POST	C	
	EVERPREX	7.62	EC	16.0	oz/a	POST	C	
	LSD P=.10							
	Standard Deviation							5.93
	CV							21.14
	Grand Mean							28.06
	Bartlett's X2							10.429
	P(Bartlett's X2)							0.236

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 5,8,10,13,14 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH STRONGARM						
YEAR 2						
Trial ID: PE-15-19		Study Dir.: JOHN RICHBURG				
Location: ATTAPULGUS		Investigator: Eric P. Prostko				
Randomized Complete Block (RCB) AOV For ----- ARAHY Injury Percent May-17-19 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1025.000000				
Replicate	2	429.166667	214.583333	25.178	0.0001	
Treatment	11	408.333333	37.121212	4.356	0.0016	
Error	22	187.500000	8.522727			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent May-17-19 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26240.000000				
Replicate	2	22.166667	11.083333	1.144	0.3368	
Treatment	11	26004.666667	2364.060606	243.984	0.0001	
Error	22	213.166667	9.689394			
Randomized Complete Block (RCB) AOV For DEDTO ----- Control Percent May-17-19 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	72358.555556				
Replicate	2	9560.388889	4780.194444	4.036	0.0321	
Treatment	11	36738.555556	3339.868687	2.820	0.0185	
Error	22	26059.611111	1184.527778			
Randomized Complete Block (RCB) AOV For CYPSP ----- Control Percent May-17-19 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	37463.888889				
Replicate	2	3976.388889	1988.194444	5.866	0.0091	
Treatment	11	26030.555556	2366.414141	6.982	0.0001	
Error	22	7456.944444	338.952020			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-31-19 (Data Column 5)						
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 AGRASS ----- Control Percent Jun-7-19 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26555.000000				
Replicate	2	13.166667	6.583333	2.434	0.1109	
Treatment	11	26482.333333	2407.484848	890.163	0.0001	
Error	22	59.500000	2.704545			
Randomized Complete Block (RCB) AOV For ----- ARAHY Leaf Burn Percent Jun-12-19 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	574.305556				
Replicate	2	26.388889	13.194444	3.943	0.0344	
Treatment	11	474.305556	43.118687	12.887	0.0001	
Error	22	73.611111	3.345960			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Jun-12-19 (Data Column 8)						
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 AGRASS ----- Control Percent Jun-12-19 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26667.888889				
Replicate	2	3.388889	1.694444	0.400	0.6753	
Treatment	11	26571.222222	2415.565657	569.723	0.0001	
Error	22	93.277778	4.239899			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Jun-24-19 (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			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent Jun-24-19 (Data Column 11)						
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			

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2					
Trial ID: PE-15-19		Study Dir.: JOHN RICHBURG			
Location: ATTAPULGUS		Investigator: Eric P. Prostko			
Randomized Complete Block (RCB) AOV For Total Weed Coverage Percent Jun-24-19 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	20872.222222			
Replicate	2	526.388889	263.194444	2.959	0.0728
Treatment	11	18388.888889	1671.717172	18.793	0.0001
Error	22	1956.944444	88.952020		
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Jul-10-19 (Data Column 13)					
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 DEDTO ----- Control Percent Jul-11-19 (Data Column 14)					
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 AGRASS ----- Control Percent Jul-17-19 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26408.972222			
Replicate	2	7.388889	3.694444	0.878	0.4298
Treatment	11	26308.972222	2391.724747	568.160	0.0001
Error	22	92.611111	4.209596		
Randomized Complete Block (RCB) AOV For Total Weed Cover Percent Jul-17-19 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	39813.888889			
Replicate	2	59.722222	29.861111	0.849	0.4413
Treatment	11	38980.555556	3543.686869	100.776	0.0001
Error	22	773.611111	35.164141		
Weed Code DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC. AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS. Part Rated Leaf = LEAF / FOLIAGE					

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2															
Trial ID: PE-15-19			Study Dir.: JOHN RICHBURG												
Location: ATTAPULGUS			Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- ARAHY Injury Percent May-17-19	AGRASS ----- Control Percent May-17-19	DEDTO ----- Control Percent May-17-19	CYPSP ----- Control Percent May-17-19	AMAPA ----- Control Percent May-31-19	AGRASS ----- Control Percent Jun-7-19	----- ARAHY Leaf - Burn Percent Jun-12-19			
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								312	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	0.0	99.0	99.0	0.0	99.0	99.0	5.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	201	0.0	99.0	99.0	50.0	99.0	99.0	5.0
	CADRE	2	AS	4.0	oz/a	POST	C	310	10.0	99.0	99.0	65.0	99.0	99.0	10.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	3.3	99.0	99.0	38.3	99.0	99.0	6.7
3	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	103	0.0	95.0	99.0	65.0	99.0	99.0	5.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	202	10.0	95.0	99.0	75.0	99.0	99.0	5.0
	CADRE	2	AS	4.0	oz/a	POST	C	304	15.0	99.0	99.0	85.0	99.0	99.0	10.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	8.3	96.3	99.0	75.0	99.0	99.0	6.7
4	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	104	10.0	99.0	99.0	75.0	99.0	95.0	5.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	210	10.0	99.0	99.0	30.0	99.0	99.0	10.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	302	15.0	99.0	99.0	85.0	99.0	99.0	10.0
	CADRE	2	AS	4.0	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	11.7	99.0	99.0	63.3	99.0	97.7	8.3
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	10.0	95.0	99.0	75.0	99.0	95.0	5.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	204	10.0	99.0	99.0	85.0	99.0	99.0	10.0
	CADRE	2	AS	4.0	oz/a	POST	C	311	15.0	95.0	95.0	85.0	99.0	95.0	5.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	11.7	96.3	97.7	81.7	99.0	96.3	6.7
6	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	106	10.0	99.0	99.0	50.0	99.0	99.0	10.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	209	10.0	95.0	0.0	30.0	99.0	99.0	10.0
	CADRE	2	AS	4.0	oz/a	POST	C	306	15.0	90.0	99.0	50.0	99.0	99.0	10.0
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	11.7	94.7	66.0	43.3	99.0	99.0	10.0
7	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	107	0.0	99.0	0.0	0.0	99.0	99.0	5.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	203	10.0	95.0	95.0	20.0	99.0	99.0	5.0
	STORM	4	SL	16.0	oz/a	EPOST	B	301	10.0	95.0	99.0	65.0	99.0	99.0	5.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B								
	CADRE	2	AS	4.0	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	6.7	96.3	64.7	28.3	99.0	99.0	5.0
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	108	0.0	99.0	0.0	0.0	99.0	99.0	5.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	211	10.0	99.0	0.0	0.0	99.0	99.0	10.0
	STORM	4	SL	16.0	oz/a	EPOST	B	303	10.0	95.0	85.0	50.0	99.0	99.0	10.0
	STRONGARM	84	WG	0.225	oz/a	EPOST	B								
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B								
	CADRE	2	AS	4.0	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	6.7	97.7	28.3	16.7	99.0	99.0	8.3

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko															
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- ARAHY	AGRASS -----	DEDTO -----	CYPSP -----	AMAPA -----	AGRASS -----	----- ARAHY Leaf - Burn Percent			
						Injury Percent May-17-19	Control Percent May-17-19	Control Percent May-17-19	Control Percent May-17-19	Control Percent May-31-19	Control Percent Jun-7-19	Control Percent Jun-12-19			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	109	0.0	99.0	0.0	0.0	99.0	99.0	0.0
	STRONGARM	84	WG	0.45	oz/a	EPOST	B	206	10.0	99.0	85.0	20.0	99.0	99.0	0.0
	EVERPREX	7.62	SC	16.0	oz/a	EPOST	B	305	10.0	95.0	95.0	50.0	99.0	99.0	0.0
								Mean =	6.7	97.7	60.0	23.3	99.0	99.0	0.0
10	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	110	0.0	99.0	0.0	0.0	99.0	95.0	0.0
	STRONGARM	84	WG	0.30	oz/a	EPOST	B	212	10.0	85.0	0.0	40.0	99.0	95.0	0.0
	EVERPREX	7.62	SC	16.0	oz/a	EPOST	B	308	10.0	99.0	99.0	0.0	99.0	99.0	0.0
								Mean =	6.7	94.3	33.0	13.3	99.0	96.3	0.0
11	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	111	0.0	99.0	0.0	0.0	99.0	99.0	0.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	205	10.0	95.0	90.0	0.0	99.0	99.0	0.0
	STORM	4	SL	16.0	oz/a	EPOST	B	307	10.0	99.0	99.0	0.0	99.0	99.0	0.0
	STRONGARM	84	WG	0.225	oz/a	EPOST	B								
	NIS			0.25	% v/v	EPOST	B								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	6.7	97.7	63.0	0.0	99.0	99.0	0.0
12	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	112	5.0	99.0	99.0	40.0	99.0	90.0	5.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	10.0	99.0	99.0	65.0	99.0	99.0	5.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	309	15.0	99.0	99.0	75.0	99.0	95.0	10.0
	CADRE	2	AS	4.0	oz/a	POST	C								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	10.0	99.0	99.0	60.0	99.0	94.7	6.7

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko															
Weed Code						AMAPA	AGRASS	AMAPA	AGRASS	Total	AMAPA	DEDTO			
Crop Code						-----	-----	-----	-----	-----	-----	-----	-----		
Part Rated										Weed -					
Rating Data Type						Control	Control	Control	Control	Coverage	Control	Control			
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date						Jun-12-19	Jun-12-19	Jun-24-19	Jun-24-19	Jun-24-19	Jul-10-19	Jul-11-19	Jul-11-19		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10	11	12	13	14
1	NTC						101		0.0	0.0	0.0	0.0	100.0	0.0	0.0
							208		0.0	0.0	0.0	0.0	100.0	0.0	0.0
							312		0.0	0.0	0.0	0.0	100.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	100.0	0.0	0.0
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	99.0	99.0	99.0	99.0	50.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	201	99.0	99.0	99.0	99.0	50.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	310	99.0	99.0	99.0	99.0	40.0	99.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	99.0	99.0	99.0	46.7	99.0	99.0
3	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	103	99.0	99.0	99.0	99.0	20.0	99.0	99.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	202	99.0	99.0	99.0	99.0	30.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	304	99.0	99.0	99.0	99.0	15.0	99.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	99.0	99.0	99.0	21.7	99.0	99.0
4	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	104	99.0	99.0	99.0	99.0	25.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	210	99.0	95.0	99.0	99.0	40.0	99.0	99.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	302	99.0	99.0	99.0	99.0	15.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	97.7	99.0	99.0	26.7	99.0	99.0
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	99.0	95.0	99.0	99.0	20.0	99.0	99.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	204	99.0	99.0	99.0	99.0	10.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	311	99.0	99.0	99.0	99.0	25.0	99.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	97.7	99.0	99.0	18.3	99.0	99.0
6	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	106	99.0	99.0	99.0	99.0	35.0	99.0	99.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	209	99.0	99.0	99.0	99.0	40.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	306	99.0	95.0	99.0	99.0	50.0	99.0	99.0
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	97.7	99.0	99.0	41.7	99.0	99.0
7	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	107	99.0	99.0	99.0	99.0	60.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	203	99.0	99.0	99.0	99.0	40.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	B	301	99.0	99.0	99.0	99.0	35.0	99.0	99.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B								
	CADRE	2	AS	4.0	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	99.0	99.0	99.0	45.0	99.0	99.0
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	108	99.0	99.0	99.0	99.0	40.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	211	99.0	99.0	99.0	99.0	35.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	B	303	99.0	99.0	99.0	99.0	15.0	99.0	99.0
	STRONGARM	84	WG	0.225	oz/a	EPOST	B								
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B								
	CADRE	2	AS	4.0	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
							Mean =		99.0	99.0	99.0	99.0	30.0	99.0	99.0

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2							AMAPA	AGRASS	AMAPA	AGRASS	Total	AMAPA	DEDTO		
Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG							-----	-----	-----	-----	-----	-----	-----		
Location: ATTAPULGUS Investigator: Eric P. Prostko							Control	Control	Control	Control	Weed -	Control	Control		
Weed Code							Percent	Percent	Percent	Percent	Coverage	Percent	Percent		
Crop Code							Jun-12-19	Jun-12-19	Jun-24-19	Jun-24-19	Percent	Jul-10-19	Jul-11-19		
Part Rated															
Rating Data Type															
Rating Unit															
Rating Date															
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10	11	12	13	14
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	109	99.0	99.0	99.0	99.0	65.0	99.0	99.0
	STRONGARM	84	WG	0.45	oz/a	EPOST	B	206	99.0	99.0	99.0	99.0	65.0	99.0	99.0
	EVERPREX	7.62	SC	16.0	oz/a	EPOST	B	305	99.0	99.0	99.0	99.0	50.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	60.0	99.0	99.0
10	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	110	99.0	99.0	99.0	99.0	85.0	99.0	99.0
	STRONGARM	84	WG	0.30	oz/a	EPOST	B	212	99.0	95.0	99.0	90.0	60.0	99.0	99.0
	EVERPREX	7.62	SC	16.0	oz/a	EPOST	B	308	99.0	99.0	99.0	99.0	75.0	99.0	99.0
								Mean =	99.0	97.7	99.0	96.0	73.3	99.0	99.0
11	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	111	99.0	99.0	99.0	99.0	75.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	205	99.0	99.0	99.0	99.0	50.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	B	307	99.0	99.0	99.0	99.0	65.0	99.0	99.0
	STRONGARM	84	WG	0.225	oz/a	EPOST	B								
	NIS			0.25	% v/v	EPOST	B								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	99.0	99.0	99.0	99.0	63.3	99.0	99.0
12	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	112	99.0	90.0	99.0	95.0	60.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	99.0	99.0	99.0	99.0	40.0	99.0	99.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	309	99.0	99.0	99.0	99.0	40.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C								
	STRONGARM	84	WG	0.225	oz/a	POST	C								
	2,4-DB	1.75	SL	18.0	oz/a	POST	C								
	EVERPREX	7.62	EC	16.0	oz/a	POST	C								
								Mean =	99.0	96.0	99.0	97.7	46.7	99.0	99.0

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2										
Trial ID: PE-15-19		Study Dir.: JOHN RICHBURG								
Location: ATTAPULGUS		Investigator: Eric P. Prostko								
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	AGRASS ----- Control Percent Jul-17-19	Total Weed Cover - Percent Jul-17-19			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot	15	16
1	NTC							101	0.0	100.0
								208	0.0	100.0
								312	0.0	100.0
								Mean =	0.0	100.0
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	99.0	5.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	201	99.0	15.0
	CADRE	2	AS	4.0	oz/a	POST	C	310	99.0	5.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	EVERPREX	7.62	EC	16.0	oz/a	POST	C			
								Mean =	99.0	8.3
3	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	103	99.0	5.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	202	99.0	5.0
	CADRE	2	AS	4.0	oz/a	POST	C	304	95.0	5.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	EVERPREX	7.62	EC	16.0	oz/a	POST	C			
								Mean =	97.7	5.0
4	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	104	99.0	0.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	210	99.0	5.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	302	99.0	5.0
	CADRE	2	AS	4.0	oz/a	POST	C			
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	EVERPREX	7.62	EC	16.0	oz/a	POST	C			
							Mean =	99.0	3.3	
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	99.0	0.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	204	99.0	0.0
	CADRE	2	AS	4.0	oz/a	POST	C	311	95.0	5.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	EVERPREX	7.62	EC	16.0	oz/a	POST	C			
								Mean =	97.7	1.7
6	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	106	99.0	5.0
	STRONGARM	84	WG	0.225	oz/a	PRE	A	209	99.0	5.0
	CADRE	2	AS	4.0	oz/a	POST	C	306	99.0	20.0
	STRONGARM	84	WG	0.225	oz/a	POST	C			
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	EVERPREX	7.62	EC	16.0	oz/a	POST	C			
							Mean =	99.0	10.0	
7	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	107	99.0	15.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	203	99.0	5.0
	STORM	4	SL	16.0	oz/a	EPOST	B	301	99.0	5.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	EVERPREX	7.62	EC	16.0	oz/a	POST	C			
								Mean =	99.0	8.3
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	108	99.0	5.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	211	99.0	5.0
	STORM	4	SL	16.0	oz/a	EPOST	B	303	99.0	0.0
	STRONGARM	84	WG	0.225	oz/a	EPOST	B			
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	2,4-DB	1.75	SL	18.0	oz/a	POST	C			
	STRONGARM	84	WG	0.225	oz/a	POST	C			
EVERPREX	7.62	EC	16.0	oz/a	POST	C				
							Mean =	99.0	3.3	

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WEED CONTROL IN PEANUT WITH STRONGARM YEAR 2 Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG Location: ATTAPULGUS Investigator: Eric P. Prostko							AGRASS	Total Weed Cover -
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Control Percent Jul-17-19	Percent Jul-17-19	
Trt Treatment	Form Form	Rate	Grow	Appl				
No. Name	Conc Type	Rate Unit	Stg	Code Plot		15	16	
9 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	109	95.0	65.0	
STRONGARM	84 WG	0.45 oz/a	EPOST	B	206	99.0	65.0	
EVERPREX	7.62 SC	16.0 oz/a	EPOST	B	305	90.0	65.0	
					Mean =	94.7	65.0	
10 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	110	95.0	75.0	
STRONGARM	84 WG	0.30 oz/a	EPOST	B	212	90.0	65.0	
EVERPREX	7.62 SC	16.0 oz/a	EPOST	B	308	95.0	65.0	
					Mean =	93.3	68.3	
11 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	111	99.0	65.0	
GRAMOXONE	2 SL	12.0 oz/a	EPOST	B	205	95.0	40.0	
STORM	4 SL	16.0 oz/a	EPOST	B	307	99.0	65.0	
STRONGARM	84 WG	0.225 oz/a	EPOST	B				
NIS		0.25 % v/v	EPOST	B				
STRONGARM	84 WG	0.225 oz/a	POST	C				
EVERPREX	7.62 EC	16.0 oz/a	POST	C				
					Mean =	97.7	56.7	
12 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	112	99.0	10.0	
VALOR SX	51 WG	3.0 oz/a	PRE	A	207	95.0	5.0	
STRONGARM	84 WG	0.225 oz/a	PRE	A	309	99.0	5.0	
CADRE	2 AS	4.0 oz/a	POST	C				
STRONGARM	84 WG	0.225 oz/a	POST	C				
2,4-DB	1.75 SL	18.0 oz/a	POST	C				
EVERPREX	7.62 EC	16.0 oz/a	POST	C				
					Mean =	97.7	6.7	

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WEED CONTROL IN PEANUT WITH STRONGARM
YEAR 2

Trial ID: PE-15-19 Study Dir.: JOHN RICHBURG
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

Leaf = LEAF / FOLIAGE