

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
 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 Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC								-	101	204	301
2	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	102	212	304
	CADRE	2	AS	4.0 oz/a	POST	C	15 GAL/AC	3.125 mL/mx	1465.6 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	TOUGH	5	EC	8.0 oz/a	POST	C	15 GAL/AC	6.249 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
3	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	103	210	309
	CADRE	2	AS	4.0 oz/a	POST	C	15 GAL/AC	3.125 mL/mx	1471.9 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
4	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	104	211	312
	TOUGH	5	EC	8.0 oz/a	EPOST	B	15 GPA	6.249 mL/mx	1468.8 mL			
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	TOUGH	5	EC	8.0 oz/a	POST	C	15 GAL/AC	6.249 mL/mx	1468.8 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
5	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	105	208	305
	TOUGH	5	EC	8.0 oz/a	EPOST	B	15 GPA	6.249 mL/mx	1468.8 mL			
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
6	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	106	205	310
	TOUGH	5	EC	8.0 oz/a	POST	C	15 GAL/AC	6.249 mL/mx	1468.8 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
7	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	107	206	303
	TOUGH	5	EC	8.0 oz/a	EPOST	B	15 GPA	6.249 mL/mx	1468.8 mL			
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	DUAL MAGNUM	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	1465.6 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	TOUGH	5	EC	8.0 oz/a	POST	C	15 GAL/AC	6.249 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
8	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.8 mL	108	207	308
	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	1471.9 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
9	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.8 mL	109	203	306
	VALOR SX	51	WG	3.0 oz/a	PRE	A	15 GPA	2.247 g/mx				
	TOUGH	5	EC	8.0 oz/a	POST	C	15 GAL/AC	6.249 mL/mx	1468.8 mL			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C	15 GAL/AC	12.5 mL/mx				
10	CADRE	2	AS	4.0 oz/a	EPOST	B	15 GPA	3.125 mL/mx	1471.9 mL	110	202	307
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
11	TOUGH	5	EC	8.0 oz/a	EPOST	B	15 GPA	6.249 mL/mx	1468.8 mL	111	201	311
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
12	CADRE	2	AS	4.0 oz/a	EPOST	B	15 GPA	3.125 mL/mx	1463.1 mL	112	209	302
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B	15 GPA	12.5 mL/mx				
	TOUGH	5	EC	8.0 oz/a	EPOST	B	15 GPA	6.249 mL/mx				
	COC			1.0 % v/v	EPOST	B	15 GPA	15.0 mL/mx				

Sort Order: Treatment

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
Location: ATTAPULGUS Investigator: Eric P. Prostko

Trial Comments

PLOT#110 - MISSING DATA - PLOT DID NOT LOOK LIKE IT WAS SPRAYED AT ALL IN COMPARISON TO OTHER 2 REPS OF SAME TRT??? PROSTKO ERROR.

SUMMARY:

1) LATE SEASON WEED CONTROL RATINGS OBTAINED ON JULY 17 (71 DAP) INDICATED THE FOLLOWING:

A) ALL TREATMENTS PROVIDED > 92% CONTROL OF PALMER AMARANTH.

B) WHEN SINGLE EPOST OR POST APPLICATIONS OF TOUGH + 2,4-DB + DUAL MAGNUM WERE USED, ANNUAL GRASS CONTROL WAS LESS THAN 77%.

C) ONLY 2 TREATMENTS RESULTED IN TOTAL WEED COVER** THAT WAS < 10% AT THIS TIME INCLUDING THE FOLLOWING:

PROWL + VALOR (PRE) FB CADRE + 2,4-DB + DUAL MAGNUM (POST) = 10% TOTAL WEED COVER

PROWL (PRE) FB TOUGH + 2,4-DB + DUAL MAGNUM (EPOST) FB CADRE + 2,4-DB + TOUGH + DUAL MAGNUM (POST) = 8.3% TOTAL WEED COVER

**TOTAL WEED COVER IS A REFLECTION OF ALL WEEDS PRESENT SOME OF WHICH MIGHT NOT HAVE BEEN AS UNIFORM AS PIGWEED OR GRASSES INCLUDING NUTSEGE, SICKLEPOD, BRISTLY STARBUR.

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
 Location: ATTAPULGUS Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: DENNIS LONG **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 PAN/CRAB/CROW/GOOSE
Weed 3. DEDTO FLORIDA BEGGARWEED **4.** CASOB SICKLEPOD
Weed 5. CYPSP YELL/PURPLE NUTSEDGE **6.** _____
Weed 7. _____ **8.** _____

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: RANCONA VPD SEED TRT; THIMET INFR @ 5 LBS/A

Previous: Crops	Pesticides	Year
1. FALLOW	2018	_____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: LOAMY SAND **% OM:** _____ **% Sand:** 84 **% Silt:** 6 **% Clay:** 10
pH: 6.0 **CEC:** _____ **Soil Name:** DOTHAN **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:** _____

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
 Location: ATTAPULGUS Investigator: Eric P. Prostko

APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	May-8-19	May-17-19	May-31-19			
Time of Day:	7:45 AM	10:00 AM	8:38 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	87			
Wind Velocity, Unit:	2 MPH	2 MPH	5 MPH			
Dew Presence (Y/N):	N	N	Y			
Water Hardness:	--					
Soil Temp., Unit:	75 F	76 F	80 F			
Soil Moisture:	DRY	OPTIMUM	OPTIMUM			
% Cloud Cover:	0	30	10			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	V3-V4	V6			
Stage Scale:		2"T;3-4"W	4"T;6"W			
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	2-4"T			
Stage Scale:			TILL			
Density, Unit:						
Weed 3 Stage:	DEDTO	0.5"T				
Stage Scale:						
Density, Unit:						
Weed 4 Stage:	CASOB	0.5"T	4"T			
Stage Scale:						
Density, Unit:						
Weed 5 Stage:	CYPSP	3-5"T	4-10"T			
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK				
Operating Pressure:	38	38				
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

University of Georgia

PEANUT WEED CONTROL WITH TOUGH														
Trial ID: PE-12-19 Study Dir.: DENNIS LONG														
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	Amapa	
							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 May-31-19	Control Percent Jun-12-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6	7
1	NTC							0.0 -	0.0 e	0.0 c	0.0 c	0.0 d	0.0 c	0.0 c
2	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		3.3 -	85.0 d	50.0 b	10.0 bc	99.0 a	97.7 a	99.0 a
	CADRE	2	AS	4.0 oz/a	POST	C								
	2,4-DB	1.75	SL	16.0 oz/a	POST	C								
	TOUGH	5	EC	8.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
3	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	88.3 cd	50.0 b	16.7 ab	99.0 a	97.7 a	99.0 a
	CADRE	2	AS	4.0 oz/a	POST	C								
	2,4-DB	1.75	SL	16.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
4	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	91.7 bc	0.0 c	10.0 bc	99.0 a	99.0 a	99.0 a
	TOUGH	5	EC	8.0 oz/a	EPOST	B								
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B								
	TOUGH	5	EC	8.0 oz/a	POST	C								
	2,4-DB	1.75	SL	16.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
5	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	88.3 cd	89.7 a	26.7 a	99.0 a	97.7 a	99.0 a
	TOUGH	5	EC	8.0 oz/a	EPOST	B								
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B								
6	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	91.7 bc	88.3 a	10.0 bc	99.0 a	96.0 a	99.0 a
	TOUGH	5	EC	8.0 oz/a	POST	C								
	2,4-DB	1.75	SL	16.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
7	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	96.0 ab	96.3 a	10.0 bc	99.0 a	99.0 a	99.0 a
	TOUGH	5	EC	8.0 oz/a	EPOST	B								
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B								
	CADRE	2	AS	4.0 oz/a	POST	C								
	2,4-DB	1.75	SL	16.0 oz/a	POST	C								
	TOUGH	5	EC	8.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
8	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	99.0 a	99.0 a	30.0 a	99.0 a	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	16.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
9	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 -	99.0 a	94.3 a	30.0 a	99.0 a	99.0 a	99.0 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A								
	TOUGH	5	EC	8.0 oz/a	POST	C								
	2,4-DB	1.75	SL	16.0 oz/a	POST	C								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C								
10	CADRE	2	AS	4.0 oz/a	EPOST	B		0.0 -	0.0 e	0.0 c	0.0 c	99.0 a	97.0 a	99.0 a
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B								
11	TOUGH	5	EC	8.0 oz/a	EPOST	B		0.0 -	0.0 e	0.0 c	0.0 c	95.0 c	43.3 b	96.3 b
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B								
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B								

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=5,6,7,8,9,10,11,12,13,14,15

University of Georgia

PEANUT WEED CONTROL WITH TOUGH										
Trial ID: PE-12-19 Study Dir.: DENNIS LONG 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	Amapa			
	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 May-31-19	Control Percent Jun-12-19			
Trt Treatment No. Name	1	2	3	4	5	6	7			
Form Conc Form Type Rate Grow Unit Stg Appl Code										
12 CADRE 2,4-DB TOUGH COC	2 AS 1.75 SL 5 EC	4.0 oz/a 16.0 oz/a 8.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B	0.0 -	0.0 e	0.0 c	0.0 c	97.7 b	97.7 a	99.0 a
LSD P=.10	2.34	5.04	25.12	16.27	0.96	15.92	0.98			
Standard Deviation	1.67	3.60	17.92	11.60	0.68	11.33	0.70			
CV	600.0	5.84	37.88	97.13	0.76	13.29	0.77			
Grand Mean	0.28	61.58	47.31	11.94	90.31	85.25	90.53			
Bartlett's X2	0.00	0.032	19.378	1.595	0.00	30.505	0.00			
P(Bartlett's X2)	.	1.00	0.002*	0.979	.	0.001*	.			

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=5,6,7,8,9,10,11,12,13,14,15

University of Georgia

PEANUT WEED CONTROL WITH TOUGH															
Trial ID: PE-12-19		Study Dir.: DENNIS LONG													
Location: ATTAPULGUS		Investigator: Eric P. Prostko													
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass	Amapa	Agrass	Total	Amapa	Agrass	Total	Dedto		
						Control Percent Jun-12-19	Control Percent Jun-24-19	Control Percent Jun-24-19	Weed - Cover Percent Jun-24-19	Control Percent Jul-17-19	Control Percent Jul-17-19	Total Weed Cover - Control Percent Jul-17-19	Control Percent Jul-17-19		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	8	9	10	11	12	13	14	15
1	NTC							0.0 c	0.0 c	0.0 d	100.0 a	0.0 c	0.0 e	100.0 a	0.0 c
2	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		96.3 a	99.0 a	99.0 a	75.0 bc	99.0 a	99.0 a	41.7 cd	99.0 a
	CADRE	2	AS	4.0 oz/a	POST	C									
	2,4-DB	1.75	SL	16.0 oz/a	POST	C									
	TOUGH	5	EC	8.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
3	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	99.0 a	56.7 cd	99.0 a	97.7 ab	26.7 de	97.7 a
	CADRE	2	AS	4.0 oz/a	POST	C									
	2,4-DB	1.75	SL	16.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
4	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	96.0 abc	75.0 bc	99.0 a	88.0 abc	70.0 b	99.0 a
	TOUGH	5	EC	8.0 oz/a	EPOST	B									
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B									
	TOUGH	5	EC	8.0 oz/a	POST	C									
	2,4-DB	1.75	SL	16.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
5	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		97.7 a	99.0 a	93.0 bc	75.0 bc	99.0 a	76.7 cd	61.7 bc	97.7 a
	TOUGH	5	EC	8.0 oz/a	EPOST	B									
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B									
6	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		97.7 a	99.0 a	96.3 abc	80.0 ab	99.0 a	75.0 d	73.3 b	97.7 a
	TOUGH	5	EC	8.0 oz/a	POST	C									
	2,4-DB	1.75	SL	16.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
7	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	99.0 a	28.3 ef	99.0 a	96.3 ab	8.3 e	99.0 a
	TOUGH	5	EC	8.0 oz/a	EPOST	B									
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B									
	CADRE	2	AS	4.0 oz/a	POST	C									
	2,4-DB	1.75	SL	16.0 oz/a	POST	C									
	TOUGH	5	EC	8.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
8	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	99.0 a	46.7 de	99.0 a	97.7 ab	10.0 e	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	16.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
9	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	91.3 c	76.7 bc	99.0 a	70.0 d	66.7 b	99.0 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A									
	TOUGH	5	EC	8.0 oz/a	POST	C									
	2,4-DB	1.75	SL	16.0 oz/a	POST	C									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C									
10	CADRE	2	AS	4.0 oz/a	EPOST	B		97.0 a	97.0 b	97.0 ab	10.0 f	92.5 b	87.5 abc	17.5 e	94.5 a
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B									
11	TOUGH	5	EC	8.0 oz/a	EPOST	B		33.3 b	99.0 a	0.0 d	98.3 a	99.0 a	0.0 e	98.3 a	38.3 b
	2,4-DB	1.75	SL	16.0 oz/a	EPOST	B									
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B									

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=5,6,7,8,9,10,11,12,13,14,15

University of Georgia

PEANUT WEED CONTROL WITH TOUGH															
Trial ID: PE-12-19 Study Dir.: DENNIS LONG Location: ATTAPULGUS Investigator: Eric P. Prostko															
Weed Code	Agrass	Amapa	Agrass	Total	Amapa	Agrass	Total	Dedto							
Crop Code				Weed -			Cover -								
Part Rated				Percent	Control	Control	Percent	Control							
Rating Data Type	Control	Control	Control	Percent	Percent	Percent	Percent	Control							
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent							
Rating Date	Jun-12-19	Jun-24-19	Jun-24-19	Jun-24-19	Jul-17-19	Jul-17-19	Jul-17-19	Jul-17-19							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	8	9	10	11	12	13	14	15
12	CADRE	2	AS	4.0	oz/a	EPOST	B	91.7 a	97.0 b	96.0 abc	46.7 de	92.0 b	86.7 bc	51.7 bc	93.0 a
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B								
	TOUGH	5	EC	8.0	oz/a	EPOST	B								
	COC			1.0	% v/v	EPOST	B								
LSD	P=.10							12.54	1.18	5.13	20.56	3.12	11.62	22.67	14.02
	Standard Deviation							8.93	0.84	3.65	14.64	2.22	8.27	16.14	9.98
	CV							10.62	0.93	4.54	22.86	2.47	11.35	30.94	11.81
	Grand Mean							84.06	90.42	80.47	64.03	89.63	72.88	52.15	84.49
	Bartlett's X2							21.305	0.00	2.838	12.024	0.877	17.271	15.231	21.833
	P(Bartlett's X2)							0.001*	.	0.725	0.212	0.349	0.027*	0.124	0.001*

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=5,6,7,8,9,10,11,12,13,14,15

University of Georgia

PEANUT WEED CONTROL WITH TOUGH						
Trial ID: PE-12-19 Study Dir.: DENNIS LONG 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	97.222222				
Replicate	2	5.555556	2.777778	1.000	0.3840	
Treatment	11	30.555556	2.777778	1.000	0.4767	
Error	22	61.111111	2.777778			
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	69152.750000				
Replicate	2	36.166667	18.083333	1.398	0.2681	
Treatment	11	68832.083333	6257.462121	483.881	0.0001	
Error	22	284.500000	12.931818			
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	74145.638889				
Replicate	2	1174.222222	587.111111	1.828	0.1843	
Treatment	11	65906.972222	5991.542929	18.659	0.0001	
Error	22	7064.444444	321.111111			
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	8563.888889				
Replicate	2	1172.222222	586.111111	4.355	0.0255	
Treatment	11	4430.555556	402.777778	2.992	0.0138	
Error	22	2961.111111	134.595960			
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	34	26745.638889				
Replicate	2	0.888889	0.444444	0.955	0.4011	
Treatment	11	26734.972222	2430.452020	5219.949	0.0001	
Error	21	9.777778	0.465608			
Randomized Complete Block (RCB) AOV For Agrass Control Percent May-31-19 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	34	34874.750000				
Replicate	2	225.166667	112.583333	0.877	0.4308	
Treatment	11	31953.416667	2904.856061	22.625	0.0001	
Error	21	2696.166667	128.388889			
Randomized Complete Block (RCB) AOV For Amapa Control Percent Jun-12-19 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	33	26850.972222				
Replicate	2	0.888889	0.444444	0.909	0.4189	
Treatment	11	26840.305556	2440.027778	4990.966	0.0001	
Error	20	9.777778	0.488889			
Randomized Complete Block (RCB) AOV For Agrass Control Percent Jun-12-19 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	34	36277.888889				
Replicate	2	99.555556	49.777778	0.625	0.5452	
Treatment	11	34504.555556	3136.777778	39.355	0.0001	
Error	21	1673.777778	79.703704			
Randomized Complete Block (RCB) AOV For Amapa Control Percent Jun-24-19 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	33	26790.750000				
Replicate	2	2.000000	1.000000	1.429	0.2631	
Treatment	11	26774.750000	2434.068182	3477.241	0.0001	
Error	20	14.000000	0.700000			
Randomized Complete Block (RCB) AOV For Agrass Control Percent Jun-24-19 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	34	47150.972222				
Replicate	2	51.388889	25.694444	1.927	0.1704	
Treatment	11	46819.638889	4256.330808	319.288	0.0001	
Error	21	279.944444	13.330688			
Randomized Complete Block (RCB) AOV For Total Weed Cover Percent Jun-24-19 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	34	29090.972222				
Replicate	2	301.388889	150.694444	0.703	0.5062	
Treatment	11	24290.972222	2208.270202	10.308	0.0001	
Error	21	4498.611111	214.219577			

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
 Location: ATTAPULGUS Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Amapa Control Percent Jul-17-19 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	33	26623.187500			
Replicate	2	12.125000	6.062500	1.233	0.3128
Treatment	11	26512.687500	2410.244318	490.012	0.0001
Error	20	98.375000	4.918750		

Randomized Complete Block (RCB) AOV For Agrass Control Percent Jul-17-19 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	34	42852.687500			
Replicate	2	184.541667	92.270833	1.348	0.2813
Treatment	11	41230.854167	3748.259470	54.765	0.0001
Error	21	1437.291667	68.442460		

Randomized Complete Block (RCB) AOV For Total Weed Cover Control Jul-17-19 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	34	39589.409722			
Replicate	2	677.430556	338.715278	1.301	0.2934
Treatment	11	33443.576389	3040.325126	11.676	0.0001
Error	21	5468.402778	260.400132		

Randomized Complete Block (RCB) AOV For Dedto Control Percent Jul-17-19 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	34	35538.743056			
Replicate	2	401.680556	200.840278	2.017	0.1581
Treatment	11	33045.576389	3004.143308	30.164	0.0001
Error	21	2091.486111	99.594577		

Weed Code

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

University of Georgia

PEANUT WEED CONTROL WITH TOUGH														
Trial ID: PE-12-19		Study Dir.: DENNIS LONG												
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			
						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 May-31-19			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	1	2	3	4	5	6
1	NTC								101	0.0	0.0	0.0	0.0	0.0
									204	0.0	0.0	0.0	0.0	0.0
									301	0.0	0.0	0.0	0.0	0.0
									Mean =	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	85.0	0.0	0.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	212	0.0	85.0	65.0	0.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	304	10.0	85.0	85.0	30.0	99.0	95.0
	TOUGH	5	EC	8.0	oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	3.3	85.0	50.0	10.0	97.7
3	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	103	0.0	95.0	0.0	40.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	210	0.0	85.0	65.0	0.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	309	0.0	85.0	85.0	10.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	0.0	88.3	50.0	16.7	97.7
4	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	104	0.0	95.0	0.0	30.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	211	0.0	85.0	0.0	0.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	312	0.0	95.0	0.0	0.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B							
	TOUGH	5	EC	8.0	oz/a	POST	C							
	2,4-DB	1.75	SL	16.0	oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	0.0	91.7	0.0	10.0	99.0
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	0.0	85.0	85.0	30.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	208	0.0	95.0	99.0	40.0	99.0	95.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	305	0.0	85.0	85.0	10.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B							
									Mean =	0.0	88.3	89.7	26.7	97.7
6	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	106	0.0	95.0	95.0	30.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	POST	C	205	0.0	95.0	85.0	0.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	310	0.0	85.0	85.0	0.0	99.0	90.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	0.0	91.7	88.3	10.0	96.0
7	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	107	0.0	99.0	95.0	30.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	206	0.0	99.0	99.0	0.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	303	0.0	90.0	95.0	0.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B							
	CADRE	2	AS	4.0	oz/a	POST	C							
	2,4-DB	1.75	SL	16.0	oz/a	POST	C							
	TOUGH	5	EC	8.0	oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	0.0	96.0	96.3	10.0	99.0
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	108	0.0	99.0	99.0	40.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	0.0	99.0	99.0	30.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	308	0.0	99.0	99.0	20.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	0.0	99.0	99.0	30.0	99.0
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	109	0.0	99.0	99.0	40.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	203	0.0	99.0	85.0	20.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	POST	C	306	0.0	99.0	99.0	30.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
									Mean =	0.0	99.0	94.3	30.0	99.0
10	CADRE	2	AS	4.0	oz/a	EPOST	B	110	0.0	0.0	0.0	0.0	.	.
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	202	0.0	0.0	0.0	0.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B	307	0.0	0.0	0.0	0.0	99.0	99.0
									Mean =	0.0	0.0	0.0	0.0	97.0

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
 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
						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 May-31-19
Trt Treatment	Form Form	Rate	Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	6	
11 TOUGH	5 EC	8.0 oz/a	EPOST B	111	0.0	0.0	0.0	0.0	95.0	65.0	
2,4-DB	1.75 SL	16.0 oz/a	EPOST B	201	0.0	0.0	0.0	0.0	95.0	0.0	
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST B	311	0.0	0.0	0.0	0.0	95.0	65.0	
				Mean =	0.0	0.0	0.0	0.0	95.0	43.3	
12 CADRE	2 AS	4.0 oz/a	EPOST B	112	0.0	0.0	0.0	0.0	99.0	99.0	
2,4-DB	1.75 SL	16.0 oz/a	EPOST B	209	0.0	0.0	0.0	0.0	99.0	99.0	
TOUGH	5 EC	8.0 oz/a	EPOST B	302	0.0	0.0	0.0	0.0	95.0	95.0	
COC		1.0 % v/v	EPOST B								
				Mean =	0.0	0.0	0.0	0.0	97.7	97.7	

University of Georgia

PEANUT WEED CONTROL WITH TOUGH												
Trial ID: PE-12-19		Study Dir.: DENNIS LONG										
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 - Cover Percent Jun-24-19	Amapa Control Percent Jul-17-19	Agrass Control Percent Jul-17-19
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot				
									7	8	9	10
									11	12	13	
1	NTC							101	0.0	0.0	0.0	0.0
								204	0.0	0.0	0.0	0.0
								301	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	99.0	95.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	212	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	304	99.0	95.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	POST	C					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	96.3	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
	CADRE	2	AS	4.0	oz/a	POST	C	210	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	309	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	99.0	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
	TOUGH	5	EC	8.0	oz/a	EPOST	B	211	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	312	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B					
	TOUGH	5	EC	8.0	oz/a	POST	C					
	2,4-DB	1.75	SL	16.0	oz/a	POST	C					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	99.0	99.0	99.0
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	99.0	99.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	208	99.0	95.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	305	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B					
								Mean =	99.0	97.7	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
	TOUGH	5	EC	8.0	oz/a	POST	C	205	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	310	99.0	95.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	97.7	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
	TOUGH	5	EC	8.0	oz/a	EPOST	B	206	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	303	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B					
	CADRE	2	AS	4.0	oz/a	POST	C					
	2,4-DB	1.75	SL	16.0	oz/a	POST	C					
	TOUGH	5	EC	8.0	oz/a	POST	C					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	99.0	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
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	308	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	99.0	99.0	99.0
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	109	99.0	99.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	203	99.0	99.0	99.0	99.0
	TOUGH	5	EC	8.0	oz/a	POST	C	306	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C					
								Mean =	99.0	99.0	99.0	99.0
10	CADRE	2	AS	4.0	oz/a	EPOST	B	110
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	202	99.0	99.0	95.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B	307	99.0	95.0	99.0	99.0
								Mean =	99.0	97.0	97.0	97.0

University of Georgia

PEANUT WEED CONTROL WITH TOUGH															
Trial ID: PE-12-19 Study Dir.: DENNIS LONG Location: ATTAPULGUS Investigator: Eric P. Prostko															
Weed Code	Amapa	Agrass	Amapa	Agrass	Total	Amapa	Agrass								
Crop Code					Weed -										
Part Rated					Cover										
Rating Data Type	Control	Control	Control	Control	Percent	Control	Control								
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent								
Rating Date	Jun-12-19	Jun-12-19	Jun-24-19	Jun-24-19	Jun-24-19	Jun-24-19	Jul-17-19	Jul-17-19							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	Plot	7	8	9	10	11	12	13
11	TOUGH	5 EC		8.0 oz/a		EPOST B	111		99.0	50.0	99.0	0.0	100.0	99.0	0.0
	2,4-DB	1.75 SL		16.0 oz/a		EPOST B	201		95.0	0.0	99.0	0.0	100.0	99.0	0.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST B	311		95.0	50.0	99.0	0.0	95.0	99.0	0.0
							Mean =		96.3	33.3	99.0	0.0	98.3	99.0	0.0
12	CADRE	2 AS		4.0 oz/a		EPOST B	112		99.0	95.0	99.0	99.0	60.0	99.0	85.0
	2,4-DB	1.75 SL		16.0 oz/a		EPOST B	209		99.0	95.0	95.0	99.0	30.0	85.0	85.0
	TOUGH	5 EC		8.0 oz/a		EPOST B	302		.	85.0	.	90.0	50.0	.	90.0
	COC			1.0 % v/v		EPOST B									
							Mean =		99.0	91.7	97.0	96.0	46.7	92.0	86.7

University of Georgia

PEANUT WEED CONTROL WITH TOUGH										
Trial ID: PE-12-19		Study Dir.: DENNIS LONG								
Location: ATTAPULGUS		Investigator: Eric P. Prostko								
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Total Weed Cover -	Control Jul-17-19	Dedto	Control Percent Jul-17-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot		
1	NTC							101 204 301 Mean =	100.0 100.0 100.0 100.0	0.0 0.0 0.0 0.0
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	50.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	212	65.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	304	10.0	99.0
	TOUGH	5	EC	8.0	oz/a	POST	C			
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	41.7	99.0
3	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	103	35.0	95.0
	CADRE	2	AS	4.0	oz/a	POST	C	210	30.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	309	15.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	26.7	97.7
4	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	104	40.0	99.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	211	85.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	312	85.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B			
	TOUGH	5	EC	8.0	oz/a	POST	C			
	2,4-DB	1.75	SL	16.0	oz/a	POST	C			
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	70.0	99.0
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	60.0	95.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	208	75.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	305	50.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B			
								Mean =	61.7	97.7
6	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	106	50.0	95.0
	TOUGH	5	EC	8.0	oz/a	POST	C	205	85.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	310	85.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	73.3	97.7
7	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	107	5.0	99.0
	TOUGH	5	EC	8.0	oz/a	EPOST	B	206	10.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	303	10.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	2,4-DB	1.75	SL	16.0	oz/a	POST	C			
	TOUGH	5	EC	8.0	oz/a	POST	C			
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	8.3	99.0
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	108	5.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	5.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	C	308	20.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C			
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	10.0	99.0
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	109	50.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	203	85.0	99.0
	TOUGH	5	EC	8.0	oz/a	POST	C	306	65.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	C			
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C			
								Mean =	66.7	99.0
10	CADRE	2	AS	4.0	oz/a	EPOST	B	110	.	.
	2,4-DB	1.75	SL	16.0	oz/a	EPOST	B	202	20.0	90.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B	307	15.0	99.0
								Mean =	17.5	94.5

University of Georgia

PEANUT WEED CONTROL WITH TOUGH

Trial ID: PE-12-19 Study Dir.: DENNIS LONG
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

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