

University of Georgia

WEED CONTROL IN PEANUT

Trial ID: PE-20-20 Study Dir.: BEN REEVES/TIM AND DANIEL MCMILLAN
 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Reps: 4

Plots: 6 by 25 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	2	3	4
1	NTC									-	101	205	315	402
2	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1472.5 mL	102	201	305	401
	VALOR EZ	4	L	3.0 oz/a		PRE	A	15 GPA	2.343 mL/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	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	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	1472.5 mL	103	206	308	403
	VALOR EZ	4	L	3.0 oz/a		PRE	A	15 GPA	2.343 mL/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	1474.4 mL				
	OUTLOOK	6	EC	12.8 oz/a		POST	C	15 GAL/AC	9.999 mL/mx					
	2,4-DB	1.75	SL	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	1472.5 mL	104	214	301	414
	VALOR EZ	4	L	3.0 oz/a		PRE	A	15 GPA	2.343 mL/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	1443.1 mL				
	WARRANT	3	ME	48.0 oz/a		POST	C	15 GAL/AC	37.5 mL/mx					
	2,4-DB	1.75	SL	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					
	NIS			0.25 % v/v		POST	C	15 GAL/AC	3.75 mL/mx					
5	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1472.5 mL	105	210	307	409
	VALOR EZ	4	L	3.0 oz/a		PRE	A	15 GPA	2.343 mL/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	1478.7 mL				
	ZIDUA	4.17	SC	2.5 oz/a		POST	C	15 GAL/AC	1.953 mL/mx					
	2,4-DB	1.75	SL	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25 % v/v		POST	C	15 GAL/AC	3.75 mL/mx					
6	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1472.5 mL	106	215	312	415
	VALOR EZ	4	L	3.0 oz/a		PRE	A	15 GPA	2.343 mL/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	1478.3 mL				
	ANTHEM FLEX	4	SC	3.0 oz/a		POST	C	15 GAL/AC	2.343 mL/mx					
	2,4-DB	1.75	SL	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25 % v/v		POST	C	15 GAL/AC	3.75 mL/mx					
7	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1462.5 mL	107	212	309	411
	DUAL MAGNUM	7.62	EC	16.0 oz/a		PRE	A	15 GPA	12.5 mL/mx					
	STRONGARM	84	WG	0.30 oz/a		POST	C	15 GAL/AC	0.2247 g/mx	1483.5 mL				
	2,4-DB	1.75	SL	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25 % v/v		POST	C	15 GAL/AC	3.75 mL/mx					
8	PROWL H2O	3.8	SC	32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	108	211	306	413
	GRAMOXONE	2	SL	12.0 oz/a		EPOST	B	15 GAL/AC	9.374 mL/mx	1471.9 mL				
	BROADLOOM	4	SL	8.0 oz/a		EPOST	B	15 GAL/AC	6.249 mL/mx					
	DUAL MAGNUM	7.62	EC	16.0 oz/a		EPOST	B	15 GAL/AC	12.5 mL/mx					
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0 oz/a		POST	C	15 GAL/AC	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	207	316	412
	GRAMOXONE	2	SL	12.0 oz/a		EPOST	B	15 GAL/AC	9.374 mL/mx	1476.2 mL				
	BROADLOOM	4	SL	8.0 oz/a		EPOST	B	15 GAL/AC	6.249 mL/mx					
	OUTLOOK	6	EC	10.5 oz/a		EPOST	B	15 GAL/AC	8.202 mL/mx					
	CADRE	2	AS	4.0 oz/a		POST	C	15 GAL/AC	3.125 mL/mx	1476.2 mL				
	OUTLOOK	6	EC	10.5 oz/a		POST	C	15 GAL/AC	8.202 mL/mx					
	2,4-DB	1.75	SL	16.0 oz/a		POST	C	15 GAL/AC	12.5 mL/mx					

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 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Reps: 4

Plots: 6 by 25 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	2	3	4
10	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	110	209	304	416
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	15 GAL/AC	9.374 mL/mx	1443.1 mL				
	BROADLOOM	4	SL	8.0	oz/a	EPOST	B	15 GAL/AC	6.249 mL/mx					
	WARRANT	3	ME	48.0	oz/a	EPOST	B	15 GAL/AC	37.5 mL/mx					
	INDUCE			0.25	% v/v	EPOST	B	15 GAL/AC	3.75 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	C	15 GAL/AC	3.125 mL/mx	1443.1 mL				
	WARRANT	3	ME	48.0	oz/a	POST	C	15 GAL/AC	37.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
11	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	111	213	302	405
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	15 GAL/AC	9.374 mL/mx	1478.7 mL				
	BROADLOOM	4	SL	8.0	oz/a	EPOST	B	15 GAL/AC	6.249 mL/mx					
	ZIDUA	4.17	SC	2.5	oz/a	EPOST	B	15 GAL/AC	1.953 mL/mx					
	INDUCE			0.25	% v/v	EPOST	B	15 GAL/AC	3.75 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	C	15 GAL/AC	3.125 mL/mx	1478.7 mL				
	ZIDUA	4.17	SC	2.5	oz/a	POST	C	15 GAL/AC	1.953 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
12	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	112	216	303	406
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	B	15 GAL/AC	9.374 mL/mx	1478.3 mL				
	BROADLOOM	4	SL	8.0	oz/a	EPOST	B	15 GAL/AC	6.249 mL/mx					
	ANTHEM FLEX	4	SC	3.0	oz/a	EPOST	B	15 GAL/AC	2.343 mL/mx					
	INDUCE			0.25	% v/v	EPOST	B	15 GAL/AC	3.75 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	C	15 GAL/AC	3.125 mL/mx	1478.3 mL				
	ANTHEM FLEX	4	SC	3.0	oz/a	POST	C	15 GAL/AC	2.343 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
13	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.5 mL	113	204	313	408
	VALOR EZ	4	L	3.0	oz/a	PRE	A	15 GPA	2.343 mL/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	1493.0 mL				
	STRONGARM	84	WG	0.225	oz/a	POST	C	15 GAL/AC	0.1685 g/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
14	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1465.0 mL	114	208	311	410
	OUTLOOK	6	EC	12.8	oz/a	PRE	A	15 GPA	9.999 mL/mx					
	STRONGARM	84	WG	0.30	oz/a	POST	C	15 GAL/AC	0.2247 g/mx	1483.5 mL				
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
15	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1437.5 mL	115	203	310	404
	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx					
	STRONGARM	84	WG	0.30	oz/a	POST	C	15 GAL/AC	0.2247 g/mx	1483.5 mL				
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
16	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1485.0 mL	116	202	314	407
	VALOR EZ	4	L	3.0	oz/a	PRE	A	15 GPA	2.343 mL/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	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	C	15 GAL/AC	12.5 mL/mx					

Sort Order: Treatment

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Trial Comments

BROADLOOM = GENERIC BASAGRAN FROM UPL

SUMMARY:

1) WEED PRESSURE WAS VERY LOW IN THIS GROWERS PARTICULAR FIELD.

2) ALL TREATMENTS PROVIDED AT LEAST 95% CONTROL OF A NON-UNIFORM MIXTURE OF GRASS AND BROADLEAF WEEDS EXCEPT THE FOLLOWING:

PROWL + WARRANT (PRE) FB STRONGARM + 2,4-DB (POST) = 84% CONTROL OF ANNUAL GRASSES

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 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: BEN REEVES/TIM MCMILLAN **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: RCHSC FLORIDA PUSLEY **2.** AGRASS TX PANICUM/CRAB
Weed 3: IPOS ANNUAL MG **4.** RAPRA WILD RADISH
Weed 5: CASOB SICKLEPOD **6.** _____

Crop 1: ARAHY PEANUT **Variety:** GA-06G **Planting Date:** May-2-20
Planting Method: MONOSEM TWIN ROW **Rate:** _____ **Depth:** _____
Perennial Age: _____ **Row Spacing:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** DRY **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB
Trial Initiation Comments: THIMET INFR

Previous: Crops **Pesticides** **Year**
 1. COTTON _____ 2019

MAINTENANCE

Field Prep./Maintenance: _____
Form Form Form Rate
No. Date Treatment Name Conc Unit Type Rate Unit
 1. _____

SOIL DESCRIPTION

Texture: _____ **% OM:** _____ **% Sand:** _____ **% Silt:** _____ **% Clay:** _____
pH: _____ **CEC:** _____ **Soil Name:** _____ **Fertility Level:** _____

MOISTURE CONDITIONS

On: Date Time Amount Unit Type Interval Unit
 1. May-6-20 _____ 0.5 IN SPRINKLER - CENTER PIVOT _____
 2. Jun-9-20 _____ 0.15 IN RAINFALL _____
 3. _____ _____
 4. _____ _____

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

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APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	May-4-20	May-18-20	Jun-3-20			
Time of Day:	7:00 AM	7:00 AM	7:00 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EPOST	POST			
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE			
Air Temp., Unit:	63 F	70 F	68 F			
% Relative Humidity:	95	97	90			
Wind Velocity, Unit:	3 MPH	2 MPH	1 MPH			
Dew Presence (Y/N):	N	Y	N			
Water Hardness:	--	--	--			
Soil Temp., Unit:	69 F	75 F	76 F			
Soil Moisture:	DRY	DRY	DRY			
% Cloud Cover:	0	100	60			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage: ARAHY		3"T	5'T;5"W			
Stage Scale:		V3-V4	R1			
Height, Unit:						

WEED STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Weed 1 Stage: RCHSC		0.5"				
Stage Scale:		2 LF				
Density, Unit:						
Weed 2 Stage: AGRASS		1" TALL	3-4"			
Stage Scale:		2 LF				
Density, Unit:						
Weed 3 Stage: IPOSF		1-2"	3-4"			
Stage Scale:						
Density, Unit:						
Weed 4 Stage: RAPRA			1-2"			
Stage Scale:						
Density, Unit:						
Weed 5 Stage: CASOB			2-3"			
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME	SAME			
Operating Pressure:	42					
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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Weed Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Agrass Control Percent Jun-16-20 43 DA-A	Mixbroad Control Percent Jun-16-20 43 DA-A	Agrass Control Percent Jul-6-20 63 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	1	2	3
1	NTC							0.0 c	0.0 b	0.0 c
2	PROWL H20 VALOR EZ STRONGARM CADRE DUAL MAGNUM 2,4-DB	3.8 4 84 2 7.62 1.75	SC L WG AS EC SL	32.0 3.0 0.225 4.0 16.0 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	97.0 a	99.0 a	100.0 a
3	PROWL H20 VALOR EZ STRONGARM CADRE OUTLOOK 2,4-DB	3.8 4 84 2 6 1.75	SC L WG AS EC SL	32.0 3.0 0.225 4.0 12.8 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	96.8 a	99.0 a	97.5 a
4	PROWL H20 VALOR EZ STRONGARM CADRE WARRANT 2,4-DB NIS	3.8 4 84 2 3 1.75	SC L WG AS ME SL	32.0 3.0 0.225 4.0 48.0 16.0 0.25	oz/a oz/a oz/a oz/a oz/a oz/a % v/v	PRE PRE PRE POST POST POST POST	A A A C C C C	98.0 a	99.0 a	100.0 a
5	PROWL H20 VALOR EZ STRONGARM CADRE ZIDUA 2,4-DB INDUCE	3.8 4 84 2 4.17 1.75	SC L WG AS SC SL	32.0 3.0 0.225 4.0 2.5 16.0 0.25	oz/a oz/a oz/a oz/a oz/a oz/a % v/v	PRE PRE PRE POST POST POST POST	A A A C C C C	97.0 a	99.0 a	100.0 a
6	PROWL H20 VALOR EZ STRONGARM CADRE ANTHEM FLEX 2,4-DB INDUCE	3.8 4 84 2 4 1.75	SC L WG AS SC SL	32.0 3.0 0.225 4.0 3.0 16.0 0.25	oz/a oz/a oz/a oz/a oz/a oz/a % v/v	PRE PRE PRE POST POST POST POST	A A A C C C C	95.8 a	99.0 a	100.0 a
7	PROWL H20 DUAL MAGNUM STRONGARM 2,4-DB INDUCE	3.8 7.62 84 1.75	SC EC WG SL	32.0 16.0 0.30 16.0 0.25	oz/a oz/a oz/a oz/a % v/v	PRE PRE POST POST POST	A A C C C	96.8 a	99.0 a	96.3 a
8	PROWL H20 GRAMOXONE BROADLOOM DUAL MAGNUM CADRE DUAL MAGNUM 2,4-DB	3.8 2 4 7.62 2 7.62 1.75	SC SL SL EC AS EC SL	32.0 12.0 8.0 16.0 4.0 16.0 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	100.0 a
9	PROWL H20 GRAMOXONE BROADLOOM OUTLOOK CADRE OUTLOOK 2,4-DB	3.8 2 4 6 2 6 1.75	SC SL SL EC AS EC SL	32.0 12.0 8.0 10.5 4.0 10.5 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	100.0 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 2 because error mean square = 0.

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Weed Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Agrass Control Percent Jun-16-20 43 DA-A	Mixbroad Control Percent Jun-16-20 43 DA-A	Agrass Control Percent Jul-6-20 63 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Appl Code	1	2	3
10	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	100.0 a
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B				
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B				
	WARRANT	3	ME	48.0 oz/a	EPOST	B				
	INDUCE			0.25 % v/v	EPOST	B				
	CADRE	2	AS	4.0 oz/a	POST	C				
	WARRANT	3	ME	48.0 oz/a	POST	C				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C				
	INDUCE			0.25 % v/v	POST	C				
11	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	100.0 a
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B				
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B				
	ZIDUA	4.17	SC	2.5 oz/a	EPOST	B				
	INDUCE			0.25 % v/v	EPOST	B				
	CADRE	2	AS	4.0 oz/a	POST	C				
	ZIDUA	4.17	SC	2.5 oz/a	POST	C				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C				
	INDUCE			0.25 % v/v	POST	C				
12	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	100.0 a
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B				
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B				
	ANTHEM FLEX	4	SC	3.0 oz/a	EPOST	B				
	INDUCE			0.25 % v/v	EPOST	B				
	CADRE	2	AS	4.0 oz/a	POST	C				
	ANTHEM FLEX	4	SC	3.0 oz/a	POST	C				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C				
	INDUCE			0.25 % v/v	POST	C				
13	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		94.8 a	99.0 a	97.5 a
	VALOR EZ	4	L	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				
	INDUCE			0.25 % v/v	POST	C				
14	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		99.0 a	99.0 a	98.8 a
	OUTLOOK	6	EC	12.8 oz/a	PRE	A				
	STRONGARM	84	WG	0.30 oz/a	POST	C				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C				
	INDUCE			0.25 % v/v	POST	C				
15	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		83.8 b	99.0 a	83.8 b
	WARRANT	3	ME	48.0 oz/a	PRE	A				
	STRONGARM	84	WG	0.30 oz/a	POST	C				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C				
	INDUCE			0.25 % v/v	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 2 because error mean square = 0.

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WEED CONTROL IN PEANUT

Trial ID: PE-20-20 Study Dir.: BEN REEVES/TIM AND DANIEL MCMILLAN
 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Weed Code							Agrass Control Percent	Mixbroad Control Percent	Agrass Control Percent
Rating Data Type							Jun-16-20	Jun-16-20	Jul-6-20
Rating Unit							43 DA-A	43 DA-A	63 DA-A
Rating Date									
Trt-Eval Interval									
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code		
							1	2	3
16	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	99.0 a	100.0 a
	VALOR EZ	4	L	3.0	oz/a	PRE	A		
	STRONGARM	84	WG	0.225	oz/a	PRE	A		
	CADRE	2	AS	4.0	oz/a	POST	C		
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C		
	2,4-DB	1.75	SL	16.0	oz/a	POST	C		
LSD P=.10							4.59	.	4.32
Standard Deviation							3.87	0.00	3.64
CV							4.26	0.0	3.95
Grand Mean							90.80	92.81	92.11
Bartlett's X2							18.293	0.00	13.748
P(Bartlett's X2)							0.011*	.	0.008*

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 2 because error mean square = 0.

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WEED CONTROL IN PEANUT

Trial ID: PE-20-20 Study Dir.: BEN REEVES/TIM AND DANIEL MCMILLAN
 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Agrass Control Percent Jun-16-20 43 DA-A (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	63	36798.359375			
Replicate	3	106.796875	35.598958	2.380	0.0821
Treatment	15	36018.609375	2401.240625	160.570	0.0001
Error	45	672.953125	14.954514		

Randomized Complete Block (RCB) AOV For Mixbroad Control Percent Jun-16-20 43 DA-A (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	63	36753.750000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	15	36753.750000	2450.250000	0.000	1.0000
Error	45	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Agrass Control Percent Jul-6-20 63 DA-A (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	63	37840.234375			
Replicate	3	60.546875	20.182292	1.525	0.2211
Treatment	15	37183.984375	2478.932292	187.261	0.0001
Error	45	595.703125	13.237847		

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WEED CONTROL IN PEANUT

Trial ID: PE-20-20 Study Dir.: BEN REEVES/TIM AND DANIEL MCMILLAN
 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Weed Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval						Agrass Control Percent Jun-16-20 43 DA-A	Mixbroad Control Percent Jun-16-20 43 DA-A	Agrass Control Percent Jul-6-20 63 DA-A
Trt Treatment No. Name	Form Form Conc Type Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3
1 NTC					101	0.0	0.0	0.0
					205	0.0	0.0	0.0
					315	0.0	0.0	0.0
					402	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
2 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	102	99.0	99.0	100.0
VALOR EZ	4 L	3.0 oz/a	PRE	A	201	95.0	99.0	100.0
STRONGARM	84 WG	0.225 oz/a	PRE	A	305	99.0	99.0	100.0
CADRE	2 AS	4.0 oz/a	POST	C	401	95.0	99.0	100.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				
2,4-DB	1.75 SL	16.0 oz/a	POST	C				
					Mean =	97.0	99.0	100.0
3 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	103	99.0	99.0	100.0
VALOR EZ	4 L	3.0 oz/a	PRE	A	206	90.0	99.0	95.0
STRONGARM	84 WG	0.225 oz/a	PRE	A	308	99.0	99.0	100.0
CADRE	2 AS	4.0 oz/a	POST	C	403	99.0	99.0	95.0
OUTLOOK	6 EC	12.8 oz/a	POST	C				
2,4-DB	1.75 SL	16.0 oz/a	POST	C				
					Mean =	96.8	99.0	97.5
4 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	104	99.0	99.0	100.0
VALOR EZ	4 L	3.0 oz/a	PRE	A	214	99.0	99.0	100.0
STRONGARM	84 WG	0.225 oz/a	PRE	A	301	95.0	99.0	100.0
CADRE	2 AS	4.0 oz/a	POST	C	414	99.0	99.0	100.0
WARRANT	3 ME	48.0 oz/a	POST	C				
2,4-DB	1.75 SL	16.0 oz/a	POST	C				
NIS		0.25 % v/v	POST	C				
					Mean =	98.0	99.0	100.0
5 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	105	95.0	99.0	100.0
VALOR EZ	4 L	3.0 oz/a	PRE	A	210	99.0	99.0	100.0
STRONGARM	84 WG	0.225 oz/a	PRE	A	307	99.0	99.0	100.0
CADRE	2 AS	4.0 oz/a	POST	C	409	95.0	99.0	100.0
ZIDUA	4.17 SC	2.5 oz/a	POST	C				
2,4-DB	1.75 SL	16.0 oz/a	POST	C				
INDUCE		0.25 % v/v	POST	C				
					Mean =	97.0	99.0	100.0
6 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	106	99.0	99.0	100.0
VALOR EZ	4 L	3.0 oz/a	PRE	A	215	95.0	99.0	100.0
STRONGARM	84 WG	0.225 oz/a	PRE	A	312	99.0	99.0	100.0
CADRE	2 AS	4.0 oz/a	POST	C	415	90.0	99.0	100.0
ANTHEM FLEX	4 SC	3.0 oz/a	POST	C				
2,4-DB	1.75 SL	16.0 oz/a	POST	C				
INDUCE		0.25 % v/v	POST	C				
					Mean =	95.8	99.0	100.0
7 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	107	99.0	99.0	95.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	212	90.0	99.0	95.0
STRONGARM	84 WG	0.30 oz/a	POST	C	309	99.0	99.0	95.0
2,4-DB	1.75 SL	16.0 oz/a	POST	C	411	99.0	99.0	100.0
INDUCE		0.25 % v/v	POST	C				
					Mean =	96.8	99.0	96.3

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WEED CONTROL IN PEANUT

Trial ID: PE-20-20 Study Dir.: BEN REEVES/TIM AND DANIEL MCMILLAN
 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Weed Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Agrass Control Percent Jun-16-20 43 DA-A	Mixbroad Control Percent Jun-16-20 43 DA-A	Agrass Control Percent Jul-6-20 63 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Code	Plot	
								1	2
									3
8	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	108	99.0	99.0
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B	211	99.0	99.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	306	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	413	99.0	99.0
	CADRE	2	AS	4.0 oz/a	POST	C			
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C			
	Mean =							99.0	99.0
9	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	109	99.0	99.0
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B	207	99.0	99.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	316	99.0	99.0
	OUTLOOK	6	EC	10.5 oz/a	EPOST	B	412	99.0	99.0
	CADRE	2	AS	4.0 oz/a	POST	C			
	OUTLOOK	6	EC	10.5 oz/a	POST	C			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C			
	Mean =							99.0	99.0
10	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	110	99.0	99.0
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B	209	99.0	99.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	304	99.0	99.0
	WARRANT	3	ME	48.0 oz/a	EPOST	B	416	99.0	99.0
	INDUCE			0.25 % v/v	EPOST	B			
	CADRE	2	AS	4.0 oz/a	POST	C			
	WARRANT	3	ME	48.0 oz/a	POST	C			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C			
	INDUCE			0.25 % v/v	POST	C			
	Mean =							99.0	99.0
11	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	111	99.0	99.0
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B	213	99.0	99.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	302	99.0	99.0
	ZIDUA	4.17	SC	2.5 oz/a	EPOST	B	405	99.0	99.0
	INDUCE			0.25 % v/v	EPOST	B			
	CADRE	2	AS	4.0 oz/a	POST	C			
	ZIDUA	4.17	SC	2.5 oz/a	POST	C			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C			
	INDUCE			0.25 % v/v	POST	C			
	Mean =							99.0	99.0
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	112	99.0	99.0
	GRAMOXONE	2	SL	12.0 oz/a	EPOST	B	216	99.0	99.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	303	99.0	99.0
	ANTHEM FLEX	4	SC	3.0 oz/a	EPOST	B	406	99.0	99.0
	INDUCE			0.25 % v/v	EPOST	B			
	CADRE	2	AS	4.0 oz/a	POST	C			
	ANTHEM FLEX	4	SC	3.0 oz/a	POST	C			
	2,4-DB	1.75	SL	16.0 oz/a	POST	C			
	INDUCE			0.25 % v/v	POST	C			
	Mean =							99.0	99.0
13	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	113	95.0	99.0
	VALOR EZ	4	L	3.0 oz/a	PRE	A	204	95.0	99.0
	STRONGARM	84	WG	0.225 oz/a	PRE	A	313	99.0	99.0
	CADRE	2	AS	4.0 oz/a	POST	C	408	90.0	99.0
	STRONGARM	84	WG	0.225 oz/a	POST	C			
	INDUCE			0.25 % v/v	POST	C			
	Mean =							94.8	97.5

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WEED CONTROL IN PEANUT

Trial ID: PE-20-20 Study Dir.: BEN REEVES/TIM AND DANIEL MCMILLAN
 Location: BERRIEN COUNTY Investigator: Eric P. Prostko

Weed Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Agrass Control Percent Jun-16-20 43 DA-A	Mixbroad Control Percent Jun-16-20 43 DA-A	Agrass Control Percent Jul-6-20 63 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code Plot	1	2	3
14 PROWL H2O	3.8	SC	32.0 oz/a	PRE	A	114	99.0	99.0	100.0
OUTLOOK	6	EC	12.8 oz/a	PRE	A	208	99.0	99.0	95.0
STRONGARM	84	WG	0.30 oz/a	POST	C	311	99.0	99.0	100.0
2,4-DB	1.75	SL	16.0 oz/a	POST	C	410	99.0	99.0	100.0
INDUCE			0.25 % v/v	POST	C				
Mean =							99.0	99.0	98.8
15 PROWL H2O	3.8	SC	32.0 oz/a	PRE	A	115	85.0	99.0	85.0
WARRANT	3	ME	48.0 oz/a	PRE	A	203	65.0	99.0	65.0
STRONGARM	84	WG	0.30 oz/a	POST	C	310	95.0	99.0	95.0
2,4-DB	1.75	SL	16.0 oz/a	POST	C	404	90.0	99.0	90.0
INDUCE			0.25 % v/v	POST	C				
Mean =							83.8	99.0	83.8
16 DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	116	99.0	99.0	100.0
VALOR EZ	4	L	3.0 oz/a	PRE	A	202	99.0	99.0	100.0
STRONGARM	84	WG	0.225 oz/a	PRE	A	314	99.0	99.0	100.0
CADRE	2	AS	4.0 oz/a	POST	C	407	99.0	99.0	100.0
DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C				
2,4-DB	1.75	SL	16.0 oz/a	POST	C				
Mean =							99.0	99.0	100.0