

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM 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	Grow Unit	Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC									-	101	210	311	405
2	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.8 mL	102	206	303	404
	VALOR SX	51	WG	3.0	oz/a	PRE	A	15 GPA	2.247 g/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
3	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	15 GPA	18.75 mL/mx	1479.0 mL	103	208	301	410
	VALOR SX	51	WG	3.0	oz/a	PRE	A	15 GPA	2.247 g/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
4	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.8 mL	104	207	304	402
	VALOR SX	51	WG	3.0	oz/a	PRE	A	15 GPA	2.247 g/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
5	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.7 mL	105	201	308	407
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	15 GPA	2.343 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
6	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	15 GPA	18.75 mL/mx	1478.9 mL	106	203	302	406
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	15 GPA	2.343 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
7	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1472.7 mL	107	204	307	409
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	15 GPA	2.343 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
8	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	15 GPA	18.75 mL/mx	1476.6 mL	108	205	306	408
	VALOR EZ	4	SC	6.0	oz/a	PRE	A	15 GPA	4.687 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
9	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1470.5 mL	109	202	312	401
	VALOR SX	51	WG	6.0	oz/a	PRE	A	15 GPA	4.493 g/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
10	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1470.5 mL	110	211	305	412
	VALOR SX	51	WG	6.0	oz/a	PRE	A	15 GPA	4.493 g/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
11	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1470.3 mL	111	212	309	403
	VALOR EZ	4	SC	6.0	oz/a	PRE	A	15 GPA	4.687 mL/mx					
	CADRE	2	AS	4.0	oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1471.9 mL				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
	2,4-DB	1.75	SL	16.0	oz/a	POST	B	15 GAL/AC	12.5 mL/mx					
12	NTC									-	112	209	310	411

Sort Order: Treatment

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

AGRASS = NON-UNIFORM MIXTURE OF TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, AND GOOSEGRASS.

DIGGING DATE: SEPTEMBER 30
HARVEST DATE: OCTOBER 5
HARVEST MOISTURE: 16.9%
YIELDS ADJUSTED TO 10%
2% YIELD DEDUCTION FOR FM

SUMMARY:

- 1) GENERALLY, NO DIFFERENCES IN WEED CONTROL OR PEANUT INJURY WERE OBSERVED BETWEEN VALOR SX/VALOR EZ AND PROWL/SONALAN PROGRAMS.
- 2) 6 OZ/A OF VALOR SX OR VALOR EZ WAS MORE INJURIOUS THAN 3 OZ/A.
- 3) ALL HERBICIDE TREATED PLOTS HAD HIGHER YIELDS THAN THE NTC. GENERALLY, NO DIFFERENCES IN YIELD BETWEEN PROWL/SONALAN TREATMENTS OR VALOR SX/VALOR EZ TREATMENTS. HOWEVER, YIELDS WERE SIGNIFICANTLY REDUCED WHEN 6 OZ/A OF VALOR WAS APPLIED.

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: SHINE TAYLOR/HUNT SANDERS **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 CROW;GOOSE;CRAB;TX PANICUM
Weed 3. IPOLA PITTED MG **4.** RAPRA WILD RADISH
Weed 5. CYPSP NUTSEDGE **6.** _____

Crop 1: ARAHY PEANUT **Variety:** GA-18RU **Planting Date:** May-11-20
Planting Method: MONOSEM TWIN ROW **Rate:** 3.1 SEED/FT **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **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: 1 TON/A LIME PRE-PLANT; 300 LBS/A 5-15-30 PRE-PLANT;
36"-9" TWIN ROWS; RANCONA SEED TRT; THIMET INFR; 1000 LBS/A GYPSUM

Previous: Crops **Pesticides** **Year**
1. FALLOW SB-01-19 2019

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.61 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2
pH: 6.0 **CEC:** 2.6 **Soil Name:** TIFTON/DOTHAN **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-13-20		0.5		IN SPRINKLER - LATERAL MOVE		
2. May-14-20		0.5		IN SPRINKLER - LATERAL MOVE		
3. May-17-20		0.11		IN RAINFALL		
4. May-20-20		1.3		IN RAINFALL		
5. May-22-20		1.2		IN RAINFALL		
6. May-26-20		0.26		IN RAINFALL		
7. May-28-20		0.41		IN RAINFALL		
8. May-29-20		0.19		IN RAINFALL		
9. Jun-1-20		0.5		IN SPRINKLER - LATERAL MOVE		
10. Jun-6-20		0.07		IN RAINFALL		
11. Jun-7-20		0.59		IN RAINFALL		
12. Jun-9-20		0.15		IN RAINFALL		
13. Jun-12-20		2.67		IN RAINFALL		
14. Jun-19-20		0.5		IN SPRINKLER - LATERAL MOVE		
15. Jun-22-20		0.61		IN RAINFALL		
16. Jun-24-20		0.65		IN SPRINKLER - LATERAL MOVE		
17. Jun-29-20		0.65		IN SPRINKLER - LATERAL MOVE		
18. Jul-5-20		0.5		IN RAINFALL		
19. Jul-6-20		0.5		IN RAINFALL		
20.						
21.						

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Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

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

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-12-20	Jun-10-20					
Time of Day:	7:30 AM	7:00 AM					
Application Method:	BROADCAST	BROADCAST					
Application Timing:	PRE	POST					
Applic. Placement:	SOIL	FOLIAGE					
Air Temp., Unit:	52 F	73 F					
% Relative Humidity:	63	98					
Wind Velocity, Unit:	1 MPH	0 MPH					
Dew Presence (Y/N):	N	Y					
Water Hardness:	--	--					
Soil Temp., Unit:	64 F	77 F					
Soil Moisture:	OPTIMUM	WET					
% Cloud Cover:	0	100					

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ARAHY		5'T;6"W				
	Stage Scale:		R1				
	Height, Unit:						

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA		2-4"				
	Stage Scale:						
	Density, Unit:						
Weed 2	Stage: AGRASS		3-4"				
	Stage Scale:						
	Density, Unit:						
Weed 3	Stage: IPOLA		2-5"				
	Stage Scale:						
	Density, Unit:						
Weed 4	Stage: RAPRA		3-4"				
	Stage Scale:						
	Density, Unit:						
Weed 5	Stage: CYPSP		6-8"				
	Stage Scale:						
	Density, Unit:						

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME AS A					
Operating Pressure:	40						
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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Trial ID: PE-11-20		Study Dir.: SHINE TAYLOR/HUNT SANDERS										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code						----	Amapa	Rapra	---	Amapa	Rapra	Agrass
Crop Code						Arahy	----	----	Arahy	----	----	----
Part Rated									Plant -			
Rating Data Type						Stunting	Control	Control	Stunting	Control	Control	Control
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date						May-22-20	May-22-20	May-22-20	Jun-1-20	Jun-1-20	Jun-1-20	Jun-1-20
PRM Data Type												
# Subsamples, Dec.												
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code					
								1	2	3	4	5
												6
												7
1	NTC							0.0 d	0.0 c	0.0 c	0.0 d	0.0 b
2	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			17.5 c	99.0 a	98.0 ab	12.5 b	99.0 a
	VALOR SX	51 WG	3.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
3	SONALAN HFP	3 EC	24.0 oz/a	PRE	A			15.0 c	99.0 a	97.0 ab	12.5 b	99.0 a
	VALOR SX	51 WG	3.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
4	SONALAN HFP	3 EC	32.0 oz/a	PRE	A			17.5 c	99.0 a	95.8 b	10.0 bc	99.0 a
	VALOR SX	51 WG	3.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
5	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			15.0 c	98.0 b	98.0 ab	11.3 bc	99.0 a
	VALOR EZ	4 SC	3.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
6	SONALAN HFP	3 EC	24.0 oz/a	PRE	A			16.3 c	99.0 a	97.0 ab	10.0 bc	99.0 a
	VALOR EZ	4 SC	3.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
7	SONALAN HFP	3 EC	32.0 oz/a	PRE	A			15.0 c	99.0 a	97.0 ab	10.0 bc	99.0 a
	VALOR EZ	4 SC	3.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
8	SONALAN HFP	3 EC	24.0 oz/a	PRE	A			16.3 c	99.0 a	98.0 ab	8.8 c	99.0 a
	VALOR EZ	4 SC	6.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
9	SONALAN HFP	3 EC	32.0 oz/a	PRE	A			26.3 b	99.0 a	99.0 a	28.8 a	99.0 a
	VALOR SX	51 WG	6.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	B							
10	PROWL H20	3.8 SC	32.0 oz/a	PRE	A			30.0 a	99.0 a	99.0 a	27.5 a	99.0 a
	VALOR SX	51 WG	6.0 oz/a	PRE	A							
	CADRE	2 AS	4.0 oz/a	POST	B							
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B							
	2,4-DB	1.75 SL	16.0 oz/a	POST	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.

Could not calculate LSD (% mean diff) for columns 5,9,16 because error mean square = 0.

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Trial ID: PE-11-20			Study Dir.: SHINE TAYLOR/HUNT SANDERS											
Location: PONDER FARM			Investigator: Eric P. Prostko											
Weed Code						-----	Amapa	Rapra	---	Amapa	Rapra	Agrass		
Crop Code						Arahy	-----	-----	Arahy	-----	-----	-----		
Part Rated									Plant -					
Rating Data Type						Stunting	Control	Control	Stunting	Control	Control	Control		
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date						May-22-20	May-22-20	May-22-20	Jun-1-20	Jun-1-20	Jun-1-20	Jun-1-20		
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	1	2	3	4	5	6	7
11	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	27.5 ab	99.0 a	99.0 a	26.3 a	99.0 a	99.0 a	99.0 a
	VALOR EZ	4	SC	6.0	oz/a	PRE	A							
	CADRE	2	AS	4.0	oz/a	POST	B							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B							
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
12	NTC							0.0 d	0.0 c	0.0 c	0.0 d	0.0 b	0.0 d	0.0 c
LSD P=.10						2.86	0.69	2.32	3.17			1.91	1.32	
Standard Deviation						2.39	0.58	1.94	2.65	0.00		1.60	1.10	
CV						14.6	0.7	2.38	20.17	0.0		1.96	1.34	
Grand Mean						16.35	82.42	81.48	13.13	82.50		81.65	82.17	
Bartlett's X2						2.676	0.00	3.193	1.975	0.00		3.153	0.083	
P(Bartlett's X2)						0.953	.	0.784	0.982	.		0.676	0.959	

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

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Could not calculate LSD (% mean diff) for columns 5,9,16 because error mean square = 0.

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Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code										
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form Form	Rate Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code						
					8	9	10	11	12	13
1 NTC					0.0 d	0.0 b	0.0 c	0.0 c	0.0 c	0.0 c
2 PROWL H20	3.8 SC	32.0 oz/a	PRE A		3.8 c	99.0 a	98.0 b	99.0 a	99.0 a	98.0 a
VALOR SX	51 WG	3.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
3 SONALAN HFP	3 EC	24.0 oz/a	PRE A		1.3 cd	99.0 a	99.0 a	98.0 ab	99.0 a	97.0 ab
VALOR SX	51 WG	3.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
4 SONALAN HFP	3 EC	32.0 oz/a	PRE A		0.0 d	99.0 a	99.0 a	96.8 b	99.0 a	96.0 ab
VALOR SX	51 WG	3.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
5 PROWL H20	3.8 SC	32.0 oz/a	PRE A		3.8 c	99.0 a	99.0 a	98.0 ab	98.0 b	95.0 b
VALOR EZ	4 SC	3.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
6 SONALAN HFP	3 EC	24.0 oz/a	PRE A		2.5 cd	99.0 a	99.0 a	98.0 ab	99.0 a	94.8 b
VALOR EZ	4 SC	3.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
7 SONALAN HFP	3 EC	32.0 oz/a	PRE A		0.0 d	99.0 a	99.0 a	99.0 a	99.0 a	97.0 ab
VALOR EZ	4 SC	3.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
8 SONALAN HFP	3 EC	24.0 oz/a	PRE A		0.0 d	99.0 a	99.0 a	99.0 a	99.0 a	96.0 ab
VALOR EZ	4 SC	6.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
9 SONALAN HFP	3 EC	32.0 oz/a	PRE A		20.0 a	99.0 a	99.0 a	99.0 a	98.0 b	96.0 ab
VALOR SX	51 WG	6.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST B							
10 PROWL H20	3.8 SC	32.0 oz/a	PRE A		21.3 a	99.0 a	99.0 a	99.0 a	99.0 a	96.0 ab
VALOR SX	51 WG	6.0 oz/a	PRE A							
CADRE	2 AS	4.0 oz/a	POST B							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B							
2,4-DB	1.75 SL	16.0 oz/a	POST 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.

Could not calculate LSD (% mean diff) for columns 5,9,16 because error mean square = 0.

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	----	Amapa	Rapra	Agrass	Amapa	Rapra	
Crop Code	Arahy	-----	-----	-----	-----	-----	
Part Rated	Plant -						
Rating Data Type	Stunting	Control	Control	Control	Control	Control	
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date	Jun-18-20	Jun-18-20	Jun-18-20	Jun-18-20	Jun-30-20	Jun-30-20	
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment	Form Form	Rate Grow	Appl				
No. Name	Conc Type Rate Unit Stg Code	8	9	10	11	12	13
11 PROWL H20	3.8 SC 32.0 oz/a PRE A	13.8 b	99.0 a	99.0 a	98.0 ab	99.0 a	97.0 ab
VALOR EZ	4 SC 6.0 oz/a PRE A						
CADRE	2 AS 4.0 oz/a POST B						
DUAL MAGNUM	7.62 EC 16.0 oz/a POST B						
2,4-DB	1.75 SL 16.0 oz/a POST B						
12 NTC		0.0 d	0.0 b	0.0 c	0.0 c	0.0 c	0.0 c
LSD P=.10		3.24	.	0.69	2.10	0.99	2.45
Standard Deviation		2.71	0.00	0.58	1.76	0.83	2.05
CV		49.07	0.0	0.7	2.14	1.01	2.56
Grand Mean		5.52	82.50	82.42	81.98	82.33	80.23
Bartlett's X2		4.849	0.00	0.00	3.882	0.00	2.205
P(Bartlett's X2)		0.563	.	.	0.422	.	0.974

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 5,9,16 because error mean square = 0.

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS										
Trial ID: PE-11-20		Study Dir.: SHINE TAYLOR/HUNT SANDERS								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Agrass	Amapa	Rapra	Agrass	Amapa
Crop Code						-----	-----	-----	-----	-----
Part Rated										
Rating Data Type						Control	Control	Control	Control	Control
Rating Unit						Percent	Percent	Percent	Percent	Percent
Rating Date						Jun-30-20	Jul-22-20	Jul-22-20	Jul-22-20	Aug-3-20
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form Form	Rate Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code	14	15	16	17	18	19
1 NTC					0.0 b	0.0 c	0.0 b	0.0 d	0.0 b	0.0 c
2 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	98.0 a	99.0 a	99.0 a	98.0 ab	98.0 a	99.0 a
VALOR SX	51 WG	3.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
3 SONALAN HFP	3 EC	24.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	96.0 c	99.0 a	99.0 a
VALOR SX	51 WG	3.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
4 SONALAN HFP	3 EC	32.0 oz/a	PRE	A	98.0 a	99.0 a	99.0 a	98.0 ab	99.0 a	99.0 a
VALOR SX	51 WG	3.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
5 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	99.0 a	98.0 ab	99.0 a	98.0 ab	96.8 a	99.0 a
VALOR EZ	4 SC	3.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
6 SONALAN HFP	3 EC	24.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
VALOR EZ	4 SC	3.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
7 SONALAN HFP	3 EC	32.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	98.0 b
VALOR EZ	4 SC	3.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
8 SONALAN HFP	3 EC	24.0 oz/a	PRE	A	99.0 a	98.0 ab	99.0 a	99.0 a	98.0 a	99.0 a
VALOR EZ	4 SC	6.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
9 SONALAN HFP	3 EC	32.0 oz/a	PRE	A	98.0 a	97.0 b	99.0 a	97.0 bc	97.0 a	99.0 a
VALOR SX	51 WG	6.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	B						
10 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	98.0 a	99.0 a
VALOR SX	51 WG	6.0 oz/a	PRE	A						
CADRE	2 AS	4.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
2,4-DB	1.75 SL	16.0 oz/a	POST	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.

Could not calculate LSD (% mean diff) for columns 5,9,16 because error mean square = 0.

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							Agrass ----- Control Percent Jun-30-20	Amapa ----- Control Percent Jul-22-20	Rapra ----- Control Percent Jul-22-20	Agrass ----- Control Percent Jul-22-20	Amapa ----- Control Percent Aug-3-20	Rapra ----- Control Percent Aug-3-20	Agrass ----- Control Percent Aug-3-20
Trt	Treatment	Form	Form	Rate	Grow	Appl	14	15	16	17	18	19	20
No.	Name	Conc	Type	Rate	Unit	Stg							
11	PROWL H20	3.8	SC	32.0	oz/a	PRE A	98.0 a	98.0 ab	99.0 a	98.0 ab	98.0 a	99.0 a	98.0 a
	VALOR EZ	4	SC	6.0	oz/a	PRE A							
	CADRE	2	AS	4.0	oz/a	POST B							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST B							
	2,4-DB	1.75	SL	16.0	oz/a	POST B							
12	NTC						0.0 b	0.0 c	0.0 b	0.0 d	0.0 b	0.0 c	0.0 c
LSD	P=.10						1.18	1.45	.	1.74	2.25	0.69	2.94
Standard Deviation							0.98	1.21	0.00	1.45	1.88	0.58	2.46
CV							1.2	1.47	0.0	1.78	2.3	0.7	3.03
Grand Mean							82.17	82.08	82.50	81.75	81.81	82.42	81.02
Bartlett's X2							0.00	0.094	0.00	0.105	3.952	0.00	8.048
P(Bartlett's X2)							.	0.993	.	1.00	0.556	.	0.328

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University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	-----	-----
Crop Code							ARAHY	ARAHY	ARAHY
Part Rated							DIRTY -	CLEAN -	CLEAN -
Rating Data Type							YIELD	YIELD	YIELD
Rating Unit							LBS/PLOT	LBS/PLOT	LBS/A
Rating Date							Oct-5-20	Oct-5-20	Oct-5-20
PRM Data Type							T1	TY2	
# Subsamples, Dec.							- 1	- 1	- 0
Trt Treatment	Form Form	Rate Grow	Appl						
No. Name	Conc Type Rate Unit Stg	Code					21	22	23
1 NTC							0.0 c	0.0 c	0 c
2 PROWL H20	3.8 SC	32.0 oz/a	PRE A				21.0 a	20.6 a	5525 a
VALOR SX	51 WG	3.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
3 SONALAN HFP	3 EC	24.0 oz/a	PRE A				21.4 a	20.9 a	5617 a
VALOR SX	51 WG	3.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
4 SONALAN HFP	3 EC	32.0 oz/a	PRE A				22.2 a	21.7 a	5820 a
VALOR SX	51 WG	3.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
5 PROWL H20	3.8 SC	32.0 oz/a	PRE A				22.4 a	22.0 a	5893 a
VALOR EZ	4 SC	3.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
6 SONALAN HFP	3 EC	24.0 oz/a	PRE A				22.0 a	21.6 a	5788 a
VALOR EZ	4 SC	3.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
7 SONALAN HFP	3 EC	32.0 oz/a	PRE A				22.2 a	21.8 a	5840 a
VALOR EZ	4 SC	3.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
8 SONALAN HFP	3 EC	24.0 oz/a	PRE A				22.3 a	21.8 a	5847 a
VALOR EZ	4 SC	6.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
9 SONALAN HFP	3 EC	32.0 oz/a	PRE A				19.1 b	18.7 b	5012 b
VALOR SX	51 WG	6.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST B						
10 PROWL H20	3.8 SC	32.0 oz/a	PRE A				19.2 b	18.8 b	5045 b
VALOR SX	51 WG	6.0 oz/a	PRE A						
CADRE	2 AS	4.0 oz/a	POST B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B						
2,4-DB	1.75 SL	16.0 oz/a	POST 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.

Could not calculate LSD (% mean diff) for columns 5,9,16 because error mean square = 0.

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----	-----	-----
Crop Code	ARAHY	ARAHY	ARAHY
Part Rated	DIRTY -	CLEAN -	CLEAN -
Rating Data Type	YIELD	YIELD	YIELD
Rating Unit	LBS/PLOT	LBS/PLOT	LBS/A
Rating Date	Oct-5-20	Oct-5-20	Oct-5-20
PRM Data Type	T1	TY2	
# Subsamples, Dec.	- 1	- 1	- 0
Trt Treatment			
No. Name	21	22	23
Form Form			
Conc Type			
Rate Rate			
Unit Unit			
Stg Stg			
Appl Code			
11 PROWL H20	18.8 b	18.4 b	4940 b
VALOR EZ			
CADRE			
DUAL MAGNUM			
2,4-DB			
12 NTC	0.0 c	0.0 c	0 c
LSD P=.10	1.65	1.62	433.2
Standard Deviation	1.38	1.35	362.0
CV	7.85	7.85	7.85
Grand Mean	17.55	17.19	4610.6
Bartlett's X2	9.954	9.954	9.954
P(Bartlett's X2)	0.354	0.354	0.354

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 5,9,16 because error mean square = 0.

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- Arahy Stunting Percent May-22-20 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	4136.979167			
Replicate	3	143.229167	47.743056	8.380	0.0003
Treatment	11	3805.729167	345.975379	60.723	0.0001
Error	33	188.020833	5.697601		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent May-22-20 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65223.666667			
Replicate	3	1.000000	0.333333	1.000	0.4051
Treatment	11	65211.666667	5928.333333	17785.002	0.0001
Error	33	11.000000	0.333333		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent May-22-20 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	63913.979167			
Replicate	3	14.729167	4.909722	1.306	0.2888
Treatment	11	63775.229167	5797.748106	1542.690	0.0001
Error	33	124.020833	3.758207		

Randomized Complete Block (RCB) AOV For --- Arahy Plant Stunting Percent Jun-1-20 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	4331.250000			
Replicate	3	18.750000	6.250000	0.892	0.4556
Treatment	11	4081.250000	371.022727	52.946	0.0001
Error	33	231.250000	7.007576		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Jun-1-20 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65340.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	65340.000000	5940.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Jun-1-20 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64160.979167			
Replicate	3	38.395833	12.798611	5.007	0.0057
Treatment	11	64038.229167	5821.657197	2277.477	0.0001
Error	33	84.354167	2.556187		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Jun-1-20 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64870.666667			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	64830.666667	5893.696970	4862.300	0.0001
Error	33	40.000000	1.212121		

Randomized Complete Block (RCB) AOV For ---- Arahy Plant Stunting Percent Jun-18-20 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	3211.979167			
Replicate	3	126.562500	42.187500	5.748	0.0028
Treatment	11	2843.229167	258.475379	35.219	0.0001
Error	33	242.187500	7.339015		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Jun-18-20 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65340.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	65340.000000	5940.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Jun-18-20 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65223.666667			
Replicate	3	1.000000	0.333333	1.000	0.4051
Treatment	11	65211.666667	5928.333333	17785.002	0.0001
Error	33	11.000000	0.333333		

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Jun-18-20 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64646.979167			
Replicate	3	7.062500	2.354167	0.764	0.5224
Treatment	11	64538.229167	5867.111742	1904.017	0.0001
Error	33	101.687500	3.081439		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Jun-30-20 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65106.666667			
Replicate	3	1.333333	0.444444	0.647	0.5904
Treatment	11	65082.666667	5916.606061	8613.883	0.0001
Error	33	22.666667	0.686869		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Jun-30-20 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	61976.479167			
Replicate	3	9.895833	3.298611	0.784	0.5114
Treatment	11	61827.729167	5620.702652	1335.813	0.0001
Error	33	138.854167	4.207702		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Jun-30-20 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64870.666667			
Replicate	3	16.000000	5.333333	5.500	0.0035
Treatment	11	64822.666667	5892.969697	6077.126	0.0001
Error	33	32.000000	0.969697		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Jul-22-20 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64751.666667			
Replicate	3	3.666667	1.222222	0.834	0.4846
Treatment	11	64699.666667	5881.787879	4015.842	0.0001
Error	33	48.333333	1.464646		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Jul-22-20 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65340.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	65340.000000	5940.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Jul-22-20 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64269.000000			
Replicate	3	6.333333	2.111111	1.000	0.4051
Treatment	11	64193.000000	5835.727273	2764.292	0.0001
Error	33	69.666667	2.111111		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Aug-3-20 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64405.312500			
Replicate	3	8.062500	2.687500	0.760	0.5246
Treatment	11	64280.562500	5843.687500	1652.634	0.0001
Error	33	116.687500	3.535985		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Aug-3-20 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65223.666667			
Replicate	3	1.000000	0.333333	1.000	0.4051
Treatment	11	65211.666667	5928.333333	17785.002	0.0001
Error	33	11.000000	0.333333		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Aug-3-20 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	63360.979167			
Replicate	3	56.395833	18.798611	3.112	0.0395
Treatment	11	63105.229167	5736.839015	949.645	0.0001
Error	33	199.354167	6.041035		

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Oct-5-20 1 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	3105.759167			
Replicate	3	10.254167	3.418056	1.801	0.1662
Treatment	11	3032.874167	275.715833	145.274	0.0001
Error	33	62.630833	1.897904		

Randomized Complete Block (RCB) AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Oct-5-20 T1 1 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	2982.771104			
Replicate	3	9.848102	3.282701	1.801	0.1662
Treatment	11	2912.772350	264.797486	145.274	0.0001
Error	33	60.150652	1.822747		

Randomized Complete Block (RCB) AOV For ----- ARAHY CLEAN YIELD LBS/A Oct-5-20 TY2 0 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	214452039.001462			
Replicate	3	708048.123477	236016.041159	1.801	0.1662
Treatment	11	209419344.570298	19038122.233663	145.274	0.0001
Error	33	4324646.307688	131049.888112		

Weed Code

Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

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

PRM Data Type

T1 = [21]*0.98

TY2 = 268.136*[22]

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- Arahy ----- Stunting Percent May-22-20	Amapa ----- Control Percent May-22-20	Rapra ----- Control Percent May-22-20	--- Arahy Plant - Stunting Percent Jun-1-20	Amapa ----- Control Percent Jun-1-20	Rapra ----- Control Percent Jun-1-20						
Trt	Treatment	Form	Form	Rate	Grow	Appl												
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6				
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0				
								210	0.0	0.0	0.0	0.0	0.0	0.0				
								311	0.0	0.0	0.0	0.0	0.0	0.0				
								405	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				
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	20.0	99.0	95.0	15.0	99.0	99.0				
								VALOR SX	51	WG	3.0	oz/a	PRE	A	206	15.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	303	20.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	404	15.0	99.0	99.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	17.5	99.0	98.0	12.5	99.0	98.0						
3	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	103	20.0	99.0	95.0	15.0	99.0	99.0				
								VALOR SX	51	WG	3.0	oz/a	PRE	A	208	15.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	301	15.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	410	10.0	99.0	95.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	15.0	99.0	97.0	12.5	99.0	98.0						
4	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	104	20.0	99.0	95.0	10.0	99.0	95.0				
								VALOR SX	51	WG	3.0	oz/a	PRE	A	207	20.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	304	15.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	402	15.0	99.0	90.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	17.5	99.0	95.8	10.0	99.0	95.8						
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	20.0	99.0	99.0	10.0	99.0	95.0				
								VALOR EZ	4	SC	3.0	oz/a	PRE	A	201	10.0	95.0	95.0
								CADRE	2	AS	4.0	oz/a	POST	B	308	15.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	407	15.0	99.0	95.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	15.0	98.0	98.0	11.3	99.0	97.0						
6	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	106	20.0	99.0	99.0	10.0	99.0	95.0				
								VALOR EZ	4	SC	3.0	oz/a	PRE	A	203	15.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	302	15.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	406	15.0	99.0	95.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	16.3	99.0	97.0	10.0	99.0	97.0						
7	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	107	20.0	99.0	99.0	10.0	99.0	99.0				
								VALOR EZ	4	SC	3.0	oz/a	PRE	A	204	15.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	307	15.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	409	10.0	99.0	99.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	15.0	99.0	97.0	10.0	99.0	99.0						
8	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	108	20.0	99.0	95.0	10.0	99.0	95.0				
								VALOR EZ	4	SC	6.0	oz/a	PRE	A	205	15.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	306	15.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	408	15.0	99.0	99.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	16.3	99.0	98.0	8.8	99.0	98.0						
9	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	109	30.0	99.0	99.0	25.0	99.0	99.0				
								VALOR SX	51	WG	6.0	oz/a	PRE	A	202	30.0	99.0	99.0
								CADRE	2	AS	4.0	oz/a	POST	B	312	20.0	99.0	99.0
								DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	401	25.0	99.0	99.0
								2,4-DB	1.75	SL	16.0	oz/a	POST	B				
						Mean =	26.3	99.0	99.0	28.8	99.0	99.0						

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- Arahy Stunting Percent May-22-20	Amapa ----- Control Percent May-22-20	Rapra ----- Control Percent May-22-20	--- Arahy Plant - Stunting Percent Jun-1-20	Amapa ----- Control Percent Jun-1-20	Rapra ----- Control Percent Jun-1-20
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Plot Code	1	2	3	4	5	6
10 PROWL H20	3.8	SC	32.0	oz/a	PRE	A 110	30.0	99.0	99.0	25.0	99.0	99.0
VALOR SX	51	WG	6.0	oz/a	PRE	A 211	30.0	99.0	99.0	30.0	99.0	99.0
CADRE	2	AS	4.0	oz/a	POST	B 305	30.0	99.0	99.0	25.0	99.0	99.0
DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B 412	30.0	99.0	99.0	30.0	99.0	99.0
2,4-DB	1.75	SL	16.0	oz/a	POST	B						
Mean =							30.0	99.0	99.0	27.5	99.0	99.0
11 PROWL H20	3.8	SC	32.0	oz/a	PRE	A 111	30.0	99.0	99.0	25.0	99.0	99.0
VALOR EZ	4	SC	6.0	oz/a	PRE	A 212	30.0	99.0	99.0	30.0	99.0	99.0
CADRE	2	AS	4.0	oz/a	POST	B 309	25.0	99.0	99.0	25.0	99.0	99.0
DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B 403	25.0	99.0	99.0	25.0	99.0	99.0
2,4-DB	1.75	SL	16.0	oz/a	POST	B						
Mean =							27.5	99.0	99.0	26.3	99.0	99.0
12 NTC						112	0.0	0.0	0.0	0.0	0.0	0.0
						209	0.0	0.0	0.0	0.0	0.0	0.0
						310	0.0	0.0	0.0	0.0	0.0	0.0
						411	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

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS														
Trial ID: PE-11-20		Study Dir.: SHINE TAYLOR/HUNT SANDERS												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code							Agrass	----	Amapa	Rapra	Agrass	Amapa		
Crop Code							-----	Arahy	-----					
Part Rated								Plant -						
Rating Data Type							Control	Stunting	Control	Control	Control	Control		
Rating Unit							Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date							Jun-1-20	Jun-18-20	Jun-18-20	Jun-18-20	Jun-18-20	Jun-30-20		
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0
								210	0.0	0.0	0.0	0.0	0.0	0.0
								311	0.0	0.0	0.0	0.0	0.0	0.0
								405	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
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	99.0	0.0	99.0	99.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	206	99.0	5.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	303	99.0	5.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	404	99.0	5.0	99.0	95.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	99.0	3.8	99.0	98.0	99.0	99.0
3	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	103	95.0	0.0	99.0	99.0	95.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	208	99.0	5.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	301	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	410	99.0	0.0	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	98.0	1.3	99.0	99.0	98.0	99.0
4	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	104	99.0	0.0	99.0	99.0	99.0	99.0
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	99.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	304	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	402	95.0	0.0	99.0	99.0	90.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	98.0	0.0	99.0	99.0	96.8	99.0
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	99.0	0.0	99.0	99.0	99.0	99.0
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	201	99.0	0.0	99.0	99.0	99.0	95.0
	CADRE	2	AS	4.0	oz/a	POST	B	308	99.0	5.0	99.0	99.0	95.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	407	99.0	10.0	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	99.0	3.8	99.0	99.0	98.0	98.0
6	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	106	99.0	0.0	99.0	99.0	99.0	99.0
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	203	95.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	302	95.0	0.0	99.0	99.0	95.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	406	99.0	10.0	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	97.0	2.5	99.0	99.0	98.0	99.0
7	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	107	99.0	0.0	99.0	99.0	99.0	99.0
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	204	99.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	307	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	409	99.0	0.0	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	99.0	0.0	99.0	99.0	99.0	99.0
8	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	108	99.0	0.0	99.0	99.0	99.0	99.0
	VALOR EZ	4	SC	6.0	oz/a	PRE	A	205	99.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	306	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	408	99.0	0.0	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	99.0	0.0	99.0	99.0	99.0	99.0
9	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	109	99.0	15.0	99.0	99.0	99.0	99.0
	VALOR SX	51	WG	6.0	oz/a	PRE	A	202	99.0	20.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	312	99.0	20.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	401	99.0	25.0	99.0	99.0	99.0	95.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
								Mean =	99.0	20.0	99.0	99.0	99.0	98.0

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							Agrass ----- Control Percent Jun-1-20	---- Arahy Plant - Stunting Percent Jun-18-20	Amapa ----- Control Percent Jun-18-20	Rapra ----- Control Percent Jun-18-20	Agrass ----- Control Percent Jun-18-20	Amapa ----- Control Percent Jun-30-20
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot	7	8	9	10	11	12
10 PROWL H20	3.8	SC	32.0	oz/a	PRE	A 110	99.0	15.0	99.0	99.0	99.0	99.0
VALOR SX	51	WG	6.0	oz/a	PRE	A 211	99.0	20.0	99.0	99.0	99.0	99.0
CADRE	2	AS	4.0	oz/a	POST	B 305	99.0	20.0	99.0	99.0	99.0	99.0
DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B 412	99.0	30.0	99.0	99.0	99.0	99.0
2,4-DB	1.75	SL	16.0	oz/a	POST	B						
Mean =							99.0	21.3	99.0	99.0	99.0	99.0
11 PROWL H20	3.8	SC	32.0	oz/a	PRE	A 111	99.0	10.0	99.0	99.0	99.0	99.0
VALOR EZ	4	SC	6.0	oz/a	PRE	A 212	99.0	15.0	99.0	99.0	99.0	99.0
CADRE	2	AS	4.0	oz/a	POST	B 309	99.0	15.0	99.0	99.0	95.0	99.0
DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B 403	99.0	15.0	99.0	99.0	99.0	99.0
2,4-DB	1.75	SL	16.0	oz/a	POST	B						
Mean =							99.0	13.8	99.0	99.0	98.0	99.0
12 NTC						112	0.0	0.0	0.0	0.0	0.0	0.0
						209	0.0	0.0	0.0	0.0	0.0	0.0
						310	0.0	0.0	0.0	0.0	0.0	0.0
						411	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

University of Georgia

PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							Rapra ----- Control Percent Jun-30-20	Agrass ----- Control Percent Jun-30-20	Amapa ----- Control Percent Jul-22-20	Rapra ----- Control Percent Jul-22-20	Agrass ----- Control Percent Jul-22-20	Amapa ----- Control Percent Aug-3-20
Trt Treatment No. Name	Form Form Conc Type	Rate Grow Rate Unit	Appl Stg	Code Plot			13	14	15	16	17	18
1 NTC					101		0.0	0.0	0.0	0.0	0.0	0.0
					210		0.0	0.0	0.0	0.0	0.0	0.0
					311		0.0	0.0	0.0	0.0	0.0	0.0
					405		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
2 PROWL H20	3.8 SC	32.0 oz/a	PRE A	102			99.0	99.0	99.0	99.0	99.0	99.0
VALOR SX	51 WG	3.0 oz/a	PRE A	206			95.0	99.0	99.0	99.0	99.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	303			99.0	99.0	99.0	99.0	99.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	404			99.0	95.0	99.0	99.0	95.0	95.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		98.0	98.0	99.0	99.0	98.0	98.0
3 SONALAN HFP	3 EC	24.0 oz/a	PRE A	103			99.0	99.0	99.0	99.0	95.0	99.0
VALOR SX	51 WG	3.0 oz/a	PRE A	208			95.0	99.0	99.0	99.0	95.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	301			95.0	99.0	99.0	99.0	95.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	410			99.0	99.0	99.0	99.0	99.0	99.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		97.0	99.0	99.0	99.0	96.0	99.0
4 SONALAN HFP	3 EC	32.0 oz/a	PRE A	104			95.0	99.0	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	99.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	304			95.0	99.0	99.0	99.0	99.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	402			95.0	95.0	99.0	99.0	95.0	99.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		96.0	98.0	99.0	99.0	98.0	99.0
5 PROWL H20	3.8 SC	32.0 oz/a	PRE A	105			95.0	99.0	99.0	99.0	99.0	99.0
VALOR EZ	4 SC	3.0 oz/a	PRE A	201			95.0	99.0	95.0	99.0	99.0	90.0
CADRE	2 AS	4.0 oz/a	POST B	308			95.0	99.0	99.0	99.0	95.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	407			95.0	99.0	99.0	99.0	99.0	99.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		95.0	99.0	98.0	99.0	98.0	96.8
6 SONALAN HFP	3 EC	24.0 oz/a	PRE A	106			99.0	99.0	99.0	99.0	99.0	99.0
VALOR EZ	4 SC	3.0 oz/a	PRE A	203			95.0	99.0	99.0	99.0	99.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	302			95.0	99.0	99.0	99.0	99.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	406			90.0	99.0	99.0	99.0	99.0	99.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		94.8	99.0	99.0	99.0	99.0	99.0
7 SONALAN HFP	3 EC	32.0 oz/a	PRE A	107			99.0	99.0	99.0	99.0	99.0	99.0
VALOR EZ	4 SC	3.0 oz/a	PRE A	204			95.0	99.0	99.0	99.0	99.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	307			99.0	99.0	99.0	99.0	99.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	409			95.0	99.0	99.0	99.0	99.0	99.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		97.0	99.0	99.0	99.0	99.0	99.0
8 SONALAN HFP	3 EC	24.0 oz/a	PRE A	108			95.0	99.0	99.0	99.0	99.0	99.0
VALOR EZ	4 SC	6.0 oz/a	PRE A	205			95.0	99.0	99.0	99.0	99.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	306			99.0	99.0	95.0	99.0	99.0	95.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	408			95.0	99.0	99.0	99.0	99.0	99.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		96.0	99.0	98.0	99.0	99.0	98.0
9 SONALAN HFP	3 EC	32.0 oz/a	PRE A	109			95.0	99.0	99.0	99.0	99.0	99.0
VALOR SX	51 WG	6.0 oz/a	PRE A	202			95.0	99.0	99.0	99.0	95.0	99.0
CADRE	2 AS	4.0 oz/a	POST B	312			99.0	99.0	95.0	99.0	99.0	95.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST B	401			95.0	95.0	95.0	99.0	95.0	95.0
2,4-DB	1.75 SL	16.0 oz/a	POST B									
					Mean =		96.0	98.0	97.0	99.0	97.0	97.0

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code								Rapra	Agrass	Amapa	Rapra	Agrass	Amapa	
Crop Code								----	----	----	----	----	----	
Part Rated														
Rating Data Type								Control	Control	Control	Control	Control	Control	
Rating Unit								Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date								Jun-30-20	Jun-30-20	Jul-22-20	Jul-22-20	Jul-22-20	Aug-3-20	
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	13	14	15	16	17	18
10	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	110	95.0	99.0	99.0	99.0	99.0	99.0
	VALOR SX	51	WG	6.0	oz/a	PRE	A	211	95.0	99.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	305	95.0	99.0	99.0	99.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	412	99.0	99.0	99.0	99.0	99.0	99.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
	Mean =								96.0	99.0	99.0	99.0	99.0	98.0
11	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	111	99.0	99.0	99.0	99.0	99.0	99.0
	VALOR EZ	4	SC	6.0	oz/a	PRE	A	212	99.0	99.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST	B	309	95.0	99.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	403	95.0	95.0	95.0	99.0	95.0	95.0
	2,4-DB	1.75	SL	16.0	oz/a	POST	B							
	Mean =								97.0	98.0	98.0	99.0	98.0	98.0
12	NTC							112	0.0	0.0	0.0	0.0	0.0	0.0
								209	0.0	0.0	0.0	0.0	0.0	0.0
								310	0.0	0.0	0.0	0.0	0.0	0.0
								411	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

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							Rapra ----- Control Percent Aug-3-20	Agrass ----- Control Percent Aug-3-20	----- ARAHY DIRTY - YIELD LBS/PLOT Oct-5-20 - 1	----- ARAHY CLEAN - YIELD LBS/PLOT Oct-5-20 T1 - 1	----- ARAHY CLEAN - YIELD LBS/A Oct-5-20 TY2 - 0		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	19	20	21	22	23
1	NTC						101		0.0	0.0	0.0	0.0	0
							210		0.0	0.0	0.0	0.0	0
							311		0.0	0.0	0.0	0.0	0
							405		0.0	0.0	0.0	0.0	0
							Mean =		0.0	0.0	0.0	0.0	0
2	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	102	99.0	99.0	19.5	19.1	5124
	VALOR SX	51	WG	3.0	oz/a	PRE	A	206	99.0	99.0	21.4	21.0	5623
	CADRE	2	AS	4.0	oz/a	POST	B	303	99.0	95.0	23.9	23.4	6280
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	404	99.0	95.0	19.3	18.9	5072
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	97.0	21.0	20.6	5525
3	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	103	99.0	99.0	22.0	21.6	5781
	VALOR SX	51	WG	3.0	oz/a	PRE	A	208	99.0	99.0	20.7	20.3	5439
	CADRE	2	AS	4.0	oz/a	POST	B	301	99.0	95.0	23.7	23.2	6228
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	410	99.0	95.0	19.1	18.7	5019
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	97.0	21.4	20.9	5617
4	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	104	99.0	99.0	22.3	21.9	5860
	VALOR SX	51	WG	3.0	oz/a	PRE	A	207	99.0	99.0	22.7	22.2	5965
	CADRE	2	AS	4.0	oz/a	POST	B	304	99.0	99.0	22.4	22.0	5886
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	402	99.0	90.0	21.2	20.8	5571
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	96.8	22.2	21.7	5820
5	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	105	99.0	99.0	22.6	22.1	5939
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	201	99.0	95.0	21.7	21.3	5702
	CADRE	2	AS	4.0	oz/a	POST	B	308	99.0	95.0	23.4	22.9	6149
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	407	99.0	99.0	22.0	21.6	5781
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	97.0	22.4	22.0	5893
6	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	106	99.0	95.0	21.6	21.2	5676
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	203	99.0	99.0	21.6	21.2	5676
	CADRE	2	AS	4.0	oz/a	POST	B	302	99.0	99.0	24.1	23.6	6333
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	406	99.0	99.0	20.8	20.4	5466
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	98.0	22.0	21.6	5788
7	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	107	95.0	99.0	23.4	22.9	6149
	VALOR EZ	4	SC	3.0	oz/a	PRE	A	204	99.0	99.0	20.2	19.8	5308
	CADRE	2	AS	4.0	oz/a	POST	B	307	99.0	99.0	22.7	22.2	5965
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	409	99.0	99.0	22.6	22.1	5939
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		98.0	99.0	22.2	21.8	5840
8	SONALAN HFP	3	EC	24.0	oz/a	PRE	A	108	99.0	99.0	22.7	22.2	5965
	VALOR EZ	4	SC	6.0	oz/a	PRE	A	205	99.0	99.0	21.5	21.1	5650
	CADRE	2	AS	4.0	oz/a	POST	B	306	99.0	99.0	22.6	22.1	5939
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	408	99.0	99.0	22.2	21.8	5834
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	99.0	22.3	21.8	5847
9	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	109	99.0	99.0	20.0	19.6	5255
	VALOR SX	51	WG	6.0	oz/a	PRE	A	202	99.0	95.0	20.4	20.0	5361
	CADRE	2	AS	4.0	oz/a	POST	B	312	99.0	95.0	16.9	16.6	4441
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B	401	99.0	85.0	19.0	18.6	4993
	2,4-DB	1.75	SL	16.0	oz/a	POST	B						
							Mean =		99.0	93.5	19.1	18.7	5012

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							Rapra	Agrass	-----	-----	-----
Crop Code							-----	----	----	----	----
Part Rated									ARAHY	ARAHY	ARAHY
Rating Data Type							Control	Control	DIRTY -	CLEAN -	CLEAN -
Rating Unit							Percent	Percent	YIELD	YIELD	YIELD
Rating Date							Aug-3-20	Aug-3-20	LBS/PLOT	LBS/PLOT	LBS/A
PRM Data Type									Oct-5-20	Oct-5-20	Oct-5-20
# Subsamples, Dec.									T1	T1	TY2
									- 1	- 1	- 0
Trt Treatment	Form Form	Rate Grow	Appl								
No. Name	Conc Type	Rate Unit	Stg	Code	Plot		19	20	21	22	23
10 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	110		99.0	99.0	20.2	19.8	5308
VALOR SX	51 WG	6.0 oz/a	PRE	A	211		99.0	95.0	17.0	16.7	4467
CADRE	2 AS	4.0 oz/a	POST	B	305		99.0	99.0	21.9	21.5	5755
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B	412		99.0	95.0	17.7	17.3	4651
2,4-DB	1.75 SL	16.0 oz/a	POST	B							
					Mean =		99.0	97.0	19.2	18.8	5045
11 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	111		99.0	99.0	17.6	17.2	4625
VALOR EZ	4 SC	6.0 oz/a	PRE	A	212		99.0	99.0	20.8	20.4	5466
CADRE	2 AS	4.0 oz/a	POST	B	309		99.0	99.0	17.1	16.8	4493
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B	403		99.0	95.0	19.7	19.3	5177
2,4-DB	1.75 SL	16.0 oz/a	POST	B							
					Mean =		99.0	98.0	18.8	18.4	4940
12 NTC					112		0.0	0.0	0.0	0.0	0
					209		0.0	0.0	0.0	0.0	0
					310		0.0	0.0	0.0	0.0	0
					411		0.0	0.0	0.0	0.0	0
					Mean =		0.0	0.0	0.0	0.0	0

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PROWL OR SONALAN WITH DIFFERENT VALOR FORMULATIONS

Trial ID: PE-11-20 Study Dir.: SHINE TAYLOR/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

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

PRM Data Type

T1 = [21]*0.98

TY2 = 268.136*[22]