

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS

Trial ID: PE-17-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3

Plots: 6 by 25 feet
 Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3
1	NTC								-	101	207	310
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1460.2 mL	102	204	303
	WARRANT	3 ME		48.0 oz/a	PRE	A	15 GPA	37.5 mL/mx				
	CADRE	2 AS		4.0 oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1441.6 mL			
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GAL/AC	37.5 mL/mx				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx				
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1485.2 mL	103	206	301
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx				
	CADRE	2 AS		4.0 oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1470.3 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		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1489.5 mL	104	201	308
	OUTLOOK	6 EC		10.5 oz/a	PRE	A	15 GPA	8.202 mL/mx				
	CADRE	2 AS		4.0 oz/a	POST	B	15 GAL/AC	3.125 mL/mx	1474.6 mL			
	OUTLOOK	6 EC		10.5 oz/a	POST	B	15 GAL/AC	8.202 mL/mx				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1460.2 mL	105	209	305
	WARRANT	3 ME		48.0 oz/a	PRE	A	15 GPA	37.5 mL/mx				
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	15 GAL/AC	18.75 mL/mx	1425.9 mL			
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GAL/AC	37.5 mL/mx				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C	15 GAL/AC	9.374 mL/mx	1486.9 mL			
	INDUCE			0.25 % v/v	LPOST	C	15 GAL/AC	3.75 mL/mx				
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1485.2 mL	106	202	307
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx				
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	15 GAL/AC	18.75 mL/mx	1454.7 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		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C	15 GAL/AC	9.374 mL/mx	1486.9 mL			
	INDUCE			0.25 % v/v	LPOST	C	15 GAL/AC	3.75 mL/mx				
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1489.5 mL	107	210	302
	OUTLOOK	6 EC		10.5 oz/a	PRE	A	15 GPA	8.202 mL/mx				
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	15 GAL/AC	18.75 mL/mx	1459.0 mL			
	OUTLOOK	6 EC		10.5 oz/a	POST	B	15 GAL/AC	8.202 mL/mx				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C	15 GAL/AC	9.374 mL/mx	1486.9 mL			
	INDUCE			0.25 % v/v	LPOST	C	15 GAL/AC	3.75 mL/mx				
8	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1460.2 mL	108	211	304
	WARRANT	3 ME		48.0 oz/a	PRE	A	15 GPA	37.5 mL/mx				
	COBRA	2 EC		12.5 oz/a	POST	B	15 GAL/AC	9.765 mL/mx	1434.9 mL			
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GAL/AC	37.5 mL/mx				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C	15 GAL/AC	9.374 mL/mx	1486.9 mL			
	INDUCE			0.25 % v/v	LPOST	C	15 GAL/AC	3.75 mL/mx				
9	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	15 GPA	2.343 mL/mx	1485.2 mL	109	203	306
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx				
	COBRA	2 EC		12.5 oz/a	POST	B	15 GAL/AC	9.765 mL/mx	1463.7 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		18.0 oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C	15 GAL/AC	9.374 mL/mx	1486.9 mL			
	INDUCE			0.25 % v/v	LPOST	C	15 GAL/AC	3.75 mL/mx				

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS

Trial ID: PE-17-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 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
10	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	15 GPA	2.343 mL/mx	1489.5 mL	110	205	309
	OUTLOOK	6	EC	10.5	oz/a	PRE	A	15 GPA	8.202 mL/mx				
	COBRA	2	EC	12.5	oz/a	POST	B	15 GAL/AC	9.765 mL/mx	1468.0 mL			
	OUTLOOK	6	EC	10.5	oz/a	POST	B	15 GAL/AC	8.202 mL/mx				
	2,4-DB	1.75	SL	18.0	oz/a	POST	B	15 GAL/AC	14.06 mL/mx				
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C	15 GAL/AC	9.374 mL/mx	1486.9 mL			
	INDUCE			0.25	% v/v	LPOST	C	15 GAL/AC	3.75 mL/mx				
11	NTC									-	111	208	311

Sort Order: Treatment

Trial Comments

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

SUMMARY:

- 1) IN SOME INSTANCES, PRE APPLIED VALOR EZ + WARRANT WAS MORE INJURIOUS THAN VALOR EZ + DUAL MAGNUM OR OUTLOOK.
- 2) GENERALLY, NO DIFFERENCES IN WEED CONTROL WERE OBSERVED BETWEEN HERBICIDE PROGRAMS CONTAINING DUAL MAGNUM, WARRANT, OR OUTLOOK.
- 3) WITHIN SIMILAR TREATMENTS, NO DIFFERENCES IN YIELD WERE OBSERVED BETWEEN DUAL MAGNUM, WARRANT, OR OUTLOOK EXCEPT FOR THE FOLLOWING:
 * YIELDS IN PLOTS TREATED WITH POST APPLIED COBRA + WARRANT OR COBRA + OUTLOOK WERE LOWER THAN COBRA + DUAL MAGNUM?

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS

Trial ID: PE-17-20 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: KEITH RUCKER Title: _____
Affiliation: _____ Postal Code: _____

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

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

Objective:

Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH 2. AGRASS TX PANICUM;CROW;GOOSE;CRAB
Weed 3. RAPRA WILD RADISH 4. IPOLA PITTED MG
Weed 5. CYPES YELLOW 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: 3

Site Type:

Tillage Type: CONVENTIONAL Study Design: RACOB
Trial Initiation Comments: 1 TON/A LIME PRE-PLANT; 300 LB/A 5-15-30 PRE-PLANT;
THIMET INFR; RANCONA SEED TRT; 36"-9" TWIN ROWS; 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
1.							

SOIL DESCRIPTION

Texture: SAND % OM: 0.61 % Sand: 94 % Silt: 4 % Clay: 2
pH: 6.0 CEC: 2.6 Soil Name: TIFTON 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		

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Trial ID: PE-17-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	May-12-20	Jun-10-20	Jun-29-20			
Time of Day:	7:30 AM	7:00 AM	7:30 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	POST	LPOST			
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE			
Air Temp., Unit:	52 F	73 F	76 F			
% Relative Humidity:	63	98	95			
Wind Velocity, Unit:	1 MPH	0 MPH	2 MPH			
Dew Presence (Y/N):	N	Y	Y			
Water Hardness:	--	---	--			
Soil Temp., Unit:	64 F	77 F	81 F			
Soil Moisture:	OPTIMUM	WET	OPTIMUM			
% Cloud Cover:	0	100	100			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	5"T;6"W	6"T;24" W			
Stage Scale:		R1	R3-R4			
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"	8-12"			
Stage Scale:						
Density, Unit:						
Weed 3 Stage:	RAPRA	3-4"				
Stage Scale:						
Density, Unit:						
Weed 4 Stage:	IPOLA	2-5"				
Stage Scale:						
Density, Unit:						
Weed 5 Stage:	CYPES	6-8"				
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME AS A	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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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID: PE-17-20		Study Dir.: KEITH RUCKER										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code						----- Arahy	Amapa -----	Rapra -----	----- Arahy Plant -	Amapa	Rapra	Agrass
Crop Code						Stunting Percent	Control Percent	Control Percent	Stunting Percent	Control Percent	Control Percent	Control Percent
Part Rated						May-22-20	May-22-20	May-29-20	Jun-1-20	Jun-1-20	Jun-1-20	Jun-1-20
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					
								1	2	3	4	5
												6
												7
1	NTC							0.0 c	0.0 b	0.0 b	0.0 d	0.0 b
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		20.0 a	99.0 a	99.0 a	11.7 bc	99.0 a
	WARRANT	3 ME		48.0 oz/a	PRE	A						96.3 a
	CADRE	2 AS		4.0 oz/a	POST	B						94.7 b
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		15.0 b	99.0 a	96.3 a	13.3 ab	99.0 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A						96.0 ab
	CADRE	2 AS		4.0 oz/a	POST	B						99.0 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		18.3 ab	99.0 a	97.7 a	11.7 bc	99.0 a
	OUTLOOK	6 EC		10.5 oz/a	PRE	A						89.7 b
	CADRE	2 AS		4.0 oz/a	POST	B						97.7 ab
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		16.7 ab	99.0 a	97.7 a	11.7 bc	99.0 a
	WARRANT	3 ME		48.0 oz/a	PRE	A						93.0 ab
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B						96.3 ab
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		18.3 ab	99.0 a	96.3 a	10.0 c	99.0 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A						93.0 ab
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B						97.7 ab
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		15.0 b	99.0 a	97.7 a	10.0 c	99.0 a
	OUTLOOK	6 EC		10.5 oz/a	PRE	A						96.3 a
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B						97.7 ab
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
8	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		20.0 a	99.0 a	97.7 a	15.0 a	99.0 a
	WARRANT	3 ME		48.0 oz/a	PRE	A						97.7 a
	COBRA	2 EC		12.5 oz/a	POST	B						97.7 ab
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	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 2,5,10,11 because error mean square = 0.

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS													
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							----- Arahy	Amapa -----	Rapra -----	----- Arahy Plant -	Amapa	Rapra	Agrass
Crop Code													
Part Rated													
Rating Data Type							Stunting Percent	Control Percent	Control Percent	Stunting Percent	Control Percent	Control Percent	Control Percent
Rating Unit							May-22-20	May-22-20	May-29-20	Jun-1-20	Jun-1-20	Jun-1-20	Jun-1-20
Rating Date													
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	7
9	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	18.3 ab	99.0 a	97.7 a	10.0 c	99.0 a	93.0 ab
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A						
	COBRA	2	EC	12.5	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B						
	2,4-DB	1.75	SL	18.0	oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C						
	INDUCE			0.25	% v/v	LPOST	C						
10	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	16.7 ab	99.0 a	99.0 a	10.0 c	99.0 a	94.7 ab
	OUTLOOK	6	EC	10.5	oz/a	PRE	A						
	COBRA	2	EC	12.5	oz/a	POST	B						
	OUTLOOK	6	EC	10.5	oz/a	POST	B						
	2,4-DB	1.75	SL	18.0	oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C						
	INDUCE			0.25	% v/v	LPOST	C						
11	NTC							0.0 c	0.0 b	0.0 b	0.0 d	0.0 b	0.0 c
LSD P=.10							3.49	.	2.67	3.24	.	6.46	3.17
Standard Deviation							2.48	0.00	1.89	2.30	0.00	4.59	2.25
CV							17.21	0.0	2.37	24.51	0.0	5.94	2.82
Grand Mean							14.39	81.00	79.91	9.39	81.00	77.24	79.64
Bartlett's X2							1.153	0.00	0.00	1.088	0.00	6.563	1.859
P(Bartlett's X2)							0.949	.	1.00	0.896	.	0.584	0.932

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 2,5,10,11 because error mean square = 0.

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Trial ID: PE-17-20		Study Dir.: KEITH RUCKER										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code						----	----	Amapa	Rapra	Agrass	Agrass	
Crop Code						Arahy	Arahy					
Part Rated						Plant -	Leaf -					
Rating Data Type						Stunting	Burn	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-18-20	Jun-25-20	
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
1	NTC							0.0 d	0.0 d	0.0 b	0.0 b	0.0 b
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		0.0 d	0.0 d	99.0 a	99.0 a	93.3 a
	WARRANT	3 ME		48.0 oz/a	PRE	A						95.0 ab
	CADRE	2 AS		4.0 oz/a	POST	B						
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		0.0 d	0.0 d	99.0 a	99.0 a	94.7 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A						95.0 ab
	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		18.0 oz/a	POST	B						
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		0.0 d	0.0 d	99.0 a	99.0 a	95.0 a
	OUTLOOK	6 EC		10.5 oz/a	PRE	A						96.3 a
	CADRE	2 AS		4.0 oz/a	POST	B						
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		5.0 bc	18.3 ab	99.0 a	99.0 a	94.7 a
	WARRANT	3 ME		48.0 oz/a	PRE	A						88.3 c
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B						
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		10.0 a	20.0 a	99.0 a	99.0 a	93.3 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A						90.0 bc
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B						
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		5.0 bc	18.3 ab	99.0 a	99.0 a	94.7 a
	OUTLOOK	6 EC		10.5 oz/a	PRE	A						90.0 bc
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B						
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
8	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		6.7 ab	16.7 bc	99.0 a	99.0 a	91.7 a
	WARRANT	3 ME		48.0 oz/a	PRE	A						85.0 c
	COBRA	2 EC		12.5 oz/a	POST	B						
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	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 2,5,10,11 because error mean square = 0.

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							----	----	Amapa	Rapra	Agrass	Agrass
Crop Code							Arahy	Arahy				
Part Rated							Plant -	Leaf -				
Rating Data Type							Stunting	Burn	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-18-20	Jun-25-20
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
9	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	6.7 ab	15.0 c	99.0 a	99.0 a	95.0 a
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A					90.0 bc
	COBRA	2	EC	12.5	oz/a	POST	B					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B					
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
10	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	1.7 cd	16.7 bc	99.0 a	99.0 a	91.7 a
	OUTLOOK	6	EC	10.5	oz/a	PRE	A					86.7 c
	COBRA	2	EC	12.5	oz/a	POST	B					
	OUTLOOK	6	EC	10.5	oz/a	POST	B					
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
11	NTC							0.0 d	0.0 d	0.0 b	0.0 b	0.0 b
												0.0 d
LSD P=.10								4.35	2.57	.	.	4.81
Standard Deviation								3.09	1.83	0.00	0.00	3.41
CV								97.1	19.13	0.0	0.0	4.45
Grand Mean								3.18	9.55	81.00	81.00	76.73
Bartlett's X2								0.976	0.00	0.00	0.00	1.717
P(Bartlett's X2)								0.913	.	.	.	0.944
												0.442

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University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS														
Trial ID: PE-17-20		Study Dir.: KEITH RUCKER												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code						Amapa	Rapra	Agrass	Amapa	Rapra	Agrass	Amapa		
Crop Code												-----		
Part Rated														
Rating Data Type						Control	Control	Control	Control	Control	Control	Control		
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date						Jul-7-20	Jul-7-20	Jul-7-20	Jul-22-20	Jul-22-20	Jul-22-20	Aug-20-20		
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	20
1	NTC							0.0 b	0.0 c	0.0 f	0.0 c	0.0 c	0.0 c	0.0 c
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		99.0 a	99.0 a	97.7 ab	99.0 a	99.0 a	96.3 b	99.0 a
	WARRANT	3 ME		48.0 oz/a	PRE	A								
	CADRE	2 AS		4.0 oz/a	POST	B								
	WARRANT	3 ME		48.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	INDUCE			0.25 % v/v	POST	B								
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		96.0 a	99.0 a	99.0 a	97.7 ab	99.0 a	97.7 ab	94.7 ab
	DUAL MAGNUM	7.62 EC		16.0 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		18.0 oz/a	POST	B								
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		96.0 a	97.7 ab	99.0 a	94.3 b	96.0 b	96.3 b	94.3 b
	OUTLOOK	6 EC		10.5 oz/a	PRE	A								
	CADRE	2 AS		4.0 oz/a	POST	B								
	OUTLOOK	6 EC		10.5 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		99.0 a	97.7 ab	90.0 cde	99.0 a	97.7 ab	99.0 a	99.0 a
	WARRANT	3 ME		48.0 oz/a	PRE	A								
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B								
	WARRANT	3 ME		48.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	INDUCE			0.25 % v/v	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	C								
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		96.3 a	96.3 b	90.0 cde	99.0 a	97.7 ab	97.7 ab	97.7 ab
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A								
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B								
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	C								
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		99.0 a	97.7 ab	91.7 cd	96.3 ab	99.0 a	99.0 a	94.7 ab
	OUTLOOK	6 EC		10.5 oz/a	PRE	A								
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B								
	OUTLOOK	6 EC		10.5 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	C								
8	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		97.7 a	99.0 a	86.7 e	97.7 ab	99.0 a	99.0 a	99.0 a
	WARRANT	3 ME		48.0 oz/a	PRE	A								
	COBRA	2 EC		12.5 oz/a	POST	B								
	WARRANT	3 ME		48.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	INDUCE			0.25 % v/v	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	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 2,5,10,11 because error mean square = 0.

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS													
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Amapa	Rapra	Agrass	Amapa	Rapra	Agrass	Amapa
Crop Code													-----
Part Rated													
Rating Data Type							Control	Control	Control	Control	Control	Control	Control
Rating Unit							Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date							Jul-7-20	Jul-7-20	Jul-7-20	Jul-22-20	Jul-22-20	Jul-22-20	Aug-20-20
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
								20					
9	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	97.7 a	97.7 ab	93.3 bc	99.0 a	99.0 a	99.0 a
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A						
	COBRA	2	EC	12.5	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B						
	2,4-DB	1.75	SL	18.0	oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C						
	INDUCE			0.25	% v/v	LPOST	C						
10	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	99.0 a	99.0 a	88.3 de	99.0 a	99.0 a	99.0 a
	OUTLOOK	6	EC	10.5	oz/a	PRE	A						
	COBRA	2	EC	12.5	oz/a	POST	B						
	OUTLOOK	6	EC	10.5	oz/a	POST	B						
	2,4-DB	1.75	SL	18.0	oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C						
	INDUCE			0.25	% v/v	LPOST	C						
11	NTC							0.0 b	0.0 c	0.0 f	0.0 c	0.0 c	0.0 c
LSD	P=.10							3.71	2.30	4.83	3.90	2.65	4.61
Standard Deviation								2.63	1.63	3.43	2.77	1.88	3.28
CV								3.29	2.03	4.52	3.46	2.34	4.11
Grand Mean								79.97	80.27	75.97	80.09	80.48	79.67
Bartlett's X2								2.949	0.00	4.284	5.389	1.82	2.70
P(Bartlett's X2)								0.566	.	0.638	0.145	0.403	0.44

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Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 2,5,10,11 because error mean square = 0.

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS										
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code						Agrass	Iposp	-----	-----	-----
Crop Code						-----	-----	-----	-----	-----
Part Rated								-----	-----	-----
Rating Data Type						Control	Control	-----	-----	-----
Rating Unit						Percent	Percent	LBS/PLOT	LBS/PLOT	LBS/A
Rating Date						Aug-20-20	Aug-20-20	Oct-5-20	Oct-5-20	Oct-5-20
PRM Data Type								T1	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	24
1	NTC						0.0 d	0.0 c	0.0 e	0 e
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	95.0 c	97.7 a	20.7 abc	20.3 abc
	WARRANT	3 ME		48.0 oz/a	PRE	A				
	CADRE	2 AS		4.0 oz/a	POST	B				
	WARRANT	3 ME		48.0 oz/a	POST	B				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	96.3 bc	97.7 a	21.3 a	20.8 a
	DUAL MAGNUM	7.62 EC		16.0 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		18.0 oz/a	POST	B				
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	95.0 c	96.0 a	21.1 ab	20.7 ab
	OUTLOOK	6 EC		10.5 oz/a	PRE	A				
	CADRE	2 AS		4.0 oz/a	POST	B				
	OUTLOOK	6 EC		10.5 oz/a	POST	B				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B				
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	99.0 a	92.7 ab	19.5 bcd	19.1 bcd
	WARRANT	3 ME		48.0 oz/a	PRE	A				
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B				
	WARRANT	3 ME		48.0 oz/a	POST	B				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C				
	INDUCE			0.25 % v/v	LPOST	C				
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	99.0 a	83.3 b	20.6 abc	20.2 abc
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A				
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C				
	INDUCE			0.25 % v/v	LPOST	C				
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	97.7 ab	94.3 a	20.3 a-d	19.9 a-d
	OUTLOOK	6 EC		10.5 oz/a	PRE	A				
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B				
	OUTLOOK	6 EC		10.5 oz/a	POST	B				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C				
	INDUCE			0.25 % v/v	LPOST	C				
8	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	99.0 a	91.3 ab	18.9 d	18.6 d
	WARRANT	3 ME		48.0 oz/a	PRE	A				
	COBRA	2 EC		12.5 oz/a	POST	B				
	WARRANT	3 ME		48.0 oz/a	POST	B				
	2,4-DB	1.75 SL		18.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C				
	INDUCE			0.25 % v/v	LPOST	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 2,5,10,11 because error mean square = 0.

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID: PE-17-20		Study Dir.: KEITH RUCKER										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code						Agrass	Iposp	-----	-----	-----		
Crop Code						-----	-----	-----	-----	-----		
Part Rated								ARAHY	ARAHY	ARAHY		
Rating Data Type								DIRTY -	CLEAN -	CLEAN -		
Rating Unit						Control	Control	YIELD	YIELD	YIELD		
Rating Date						Percent	Percent	LBS/PLOT	LBS/PLOT	LBS/A		
PRM Data Type						Aug-20-20	Aug-20-20	Oct-5-20	Oct-5-20	Oct-5-20		
# Subsamples, Dec.								T1	T1	TY2		
								- 1	- 1	- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	21	22	23	24		
9	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	97.7 ab	91.7 ab	21.2 a	20.8 a		
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A				5571 a		
	COBRA	2	EC	12.5 oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
10	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	96.3 bc	96.3 a	19.3 cd	18.9 cd		
	OUTLOOK	6	EC	10.5 oz/a	PRE	A				5080 cd		
	COBRA	2	EC	12.5 oz/a	POST	B						
	OUTLOOK	6	EC	10.5 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
11	NTC						0.0 d	0.0 c	0.0 e	0.0 e		
LSD P=.10							2.06	10.40	1.64	1.61		
Standard Deviation							1.46	7.39	1.17	1.14		
CV							1.84	9.66	7.02	7.02		
Grand Mean							79.55	76.45	16.64	16.30		
Bartlett's X2							0.00	14.386	8.883	8.883		
P(Bartlett's X2)							.	0.072	0.352	0.352		

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 2,5,10,11 because error mean square = 0.

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS					
Trial ID:	PE-17-20	Study Dir.:	KEITH RUCKER		
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	32	1737.878788			
Replicate	2	10.606061	5.303030	0.864	0.4365
Treatment	10	1604.545455	160.454545	26.148	0.0001
Error	20	122.727273	6.136364		
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	32	48114.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	48114.000000	4811.400000	0.000	1.0000
Error	20	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent May-29-20 (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	46922.727273			
Replicate	2	2.909091	1.454545	0.405	0.6721
Treatment	10	46848.060606	4684.806061	1305.732	0.0001
Error	20	71.757576	3.587879		
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	32	837.878788			
Replicate	2	10.606061	5.303030	1.000	0.3855
Treatment	10	721.212121	72.121212	13.600	0.0001
Error	20	106.060606	5.303030		
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	32	48114.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	48114.000000	4811.400000	0.000	1.0000
Error	20	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	32	44470.060606			
Replicate	2	148.060606	74.030303	3.515	0.0492
Treatment	10	43900.727273	4390.072727	208.420	0.0001
Error	20	421.272727	21.063636		
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	32	46657.636364			
Replicate	2	3.454545	1.727273	0.341	0.7149
Treatment	10	46552.969697	4655.296970	919.909	0.0001
Error	20	101.212121	5.060606		
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	32	640.909091			
Replicate	2	59.090909	29.545455	3.095	0.0674
Treatment	10	390.909091	39.090909	4.095	0.0035
Error	20	190.909091	9.545455		
Randomized Complete Block (RCB) AOV For ---- Arahy Leaf Burn Percent Jun-18-20 (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	2618.181818			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	2551.515152	255.151515	76.545	0.0001
Error	20	66.666667	3.333333		
Randomized Complete Block (RCB) AOV For Amapa Control Percent Jun-18-20 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	48114.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	48114.000000	4811.400000	0.000	1.0000
Error	20	0.000000	0.000000		

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS					
Trial ID:	PE-17-20	Study Dir.:	KEITH RUCKER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Rapra Control Percent Jun-18-20 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	48114.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	48114.000000	4811.400000	0.000	1.0000
Error	20	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Agrass Control Percent Jun-18-20 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	43454.545455			
Replicate	2	5.636364	2.818182	0.242	0.7874
Treatment	10	43215.878788	4321.587879	370.904	0.0001
Error	20	233.030303	11.651515		
Randomized Complete Block (RCB) AOV For Agrass Control Percent Jun-25-20 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	41155.515152			
Replicate	2	30.969697	15.484848	0.853	0.4410
Treatment	10	40761.515152	4076.151515	224.563	0.0001
Error	20	363.030303	18.151515		
Randomized Complete Block (RCB) AOV For Amapa Control Percent Jul-7-20 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	47080.969697			
Replicate	2	1.515152	0.757576	0.109	0.8969
Treatment	10	46940.969697	4694.096970	677.922	0.0001
Error	20	138.484848	6.924242		
Randomized Complete Block (RCB) AOV For Rapra Control Percent Jul-7-20 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	47328.545455			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	47275.212121	4727.521212	1772.821	0.0001
Error	20	53.333333	2.666667		
Randomized Complete Block (RCB) AOV For Agrass Control Percent Jul-7-20 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	43126.969697			
Replicate	2	41.878788	20.939394	1.779	0.1946
Treatment	10	42849.636364	4284.963636	363.974	0.0001
Error	20	235.454545	11.772727		
Randomized Complete Block (RCB) AOV For Amapa Control Percent Jul-22-20 (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	47266.727273			
Replicate	2	9.454545	4.727273	0.617	0.5495
Treatment	10	47104.060606	4710.406061	614.887	0.0001
Error	20	153.212121	7.660606		
Randomized Complete Block (RCB) AOV For Rapra Control Percent Jul-22-20 (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	47606.242424			
Replicate	2	4.424242	2.212121	0.624	0.5459
Treatment	10	47530.909091	4753.090909	1340.616	0.0001
Error	20	70.909091	3.545455		
Randomized Complete Block (RCB) AOV For Agrass Control Percent Jul-22-20 (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	47328.545455			
Replicate	2	2.909091	1.454545	0.732	0.4935
Treatment	10	47285.878788	4728.587879	2378.711	0.0001
Error	20	39.757576	1.987879		
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Aug-20-20 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	46877.333333			
Replicate	2	8.060606	4.030303	0.376	0.6916
Treatment	10	46654.666667	4665.466667	434.794	0.0001
Error	20	214.606061	10.730303		

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS					
Trial ID:	PE-17-20	Study Dir.:	KEITH RUCKER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Aug-20-20 (Data Column 21)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	46508.181818			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	10	46465.515152	4646.551515	2178.071	0.0001
Error	20	42.666667	2.133333		
Randomized Complete Block (RCB) AOV For Iposp ----- Control Percent Aug-20-20 (Data Column 22)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	44542.181818			
Replicate	2	100.545455	50.272727	0.922	0.4141
Treatment	10	43350.848485	4335.084848	79.485	0.0001
Error	20	1090.787879	54.539394		
Randomized Complete Block (RCB) AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Oct-5-20 1 (Data Column 23)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	2079.516364			
Replicate	2	4.430909	2.215455	1.626	0.2217
Treatment	10	2047.829697	204.782970	150.268	0.0001
Error	20	27.255758	1.362788		
Randomized Complete Block (RCB) AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Oct-5-20 T1 1 (Data Column 24)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	1997.167516			
Replicate	2	4.255445	2.127723	1.626	0.2217
Treatment	10	1966.735641	196.673564	150.268	0.0001
Error	20	26.176430	1.308821		
Randomized Complete Block (RCB) AOV For ----- ARAHY CLEAN YIELD LBS/A Oct-5-20 TY2 0 (Data Column 25)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	32	143590182.105896			
Replicate	2	305953.371843	152976.685922	1.626	0.2217
Treatment	10	141402224.215034	14140222.421503	150.268	0.0001
Error	20	1882004.519019	94100.225951		
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)					
Leaf = LEAF / FOLIAGE					
PRM Data Type					
T1 = [23]*0.98					
TY2 = 268.136*[24]					

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS														
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							-----	Amapa	Rapra	----	Amapa	Rapra		
Crop Code							Arahy	-----	-----	Arahy	-----	-----		
Part Rated							Stunting	Control	Control	Stunting	Control	Control		
Rating Data Type							Percent	Percent	Percent	Percent	Percent	Percent		
Rating Unit							May-22-20	May-22-20	May-29-20	Jun-1-20	Jun-1-20	Jun-1-20		
Rating Date														
PRM Data Type														
# Subsamples, Dec.														
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
								207	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
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		102	15.0	99.0	99.0	10.0	99.0	99.0
	WARRANT	3 ME		48.0 oz/a	PRE	A		204	25.0	99.0	99.0	10.0	99.0	95.0
	CADRE	2 AS		4.0 oz/a	POST	B		303	20.0	99.0	99.0	15.0	99.0	95.0
	WARRANT	3 ME		48.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	INDUCE			0.25 % v/v	POST	B								
								Mean =	20.0	99.0	99.0	11.7	99.0	96.3
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		103	15.0	99.0	95.0	15.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		206	15.0	99.0	99.0	10.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		301	15.0	99.0	95.0	15.0	99.0	90.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
								Mean =	15.0	99.0	96.3	13.3	99.0	96.0
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		104	20.0	99.0	99.0	10.0	99.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	PRE	A		201	20.0	99.0	99.0	15.0	99.0	85.0
	CADRE	2 AS		4.0 oz/a	POST	B		308	15.0	99.0	95.0	10.0	99.0	85.0
	OUTLOOK	6 EC		10.5 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
								Mean =	18.3	99.0	97.7	11.7	99.0	89.7
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		105	20.0	99.0	99.0	15.0	99.0	99.0
	WARRANT	3 ME		48.0 oz/a	PRE	A		209	15.0	99.0	99.0	10.0	99.0	95.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		305	15.0	99.0	95.0	10.0	99.0	85.0
	WARRANT	3 ME		48.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	INDUCE			0.25 % v/v	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	C								
								Mean =	16.7	99.0	97.7	11.7	99.0	93.0
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		106	20.0	99.0	95.0	10.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		202	20.0	99.0	95.0	10.0	99.0	95.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		307	15.0	99.0	99.0	10.0	99.0	85.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	C								
								Mean =	18.3	99.0	96.3	10.0	99.0	93.0
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		107	15.0	99.0	99.0	10.0	99.0	95.0
	OUTLOOK	6 EC		10.5 oz/a	PRE	A		210	15.0	99.0	99.0	10.0	99.0	95.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		302	15.0	99.0	95.0	10.0	99.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	POST	B								
	2,4-DB	1.75 SL		18.0 oz/a	POST	B								
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C								
	INDUCE			0.25 % v/v	LPOST	C								
								Mean =	15.0	99.0	97.7	10.0	99.0	96.3

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	Amapa	Rapra	----	Amapa	Rapra
Crop Code							Arahy	-----	-----	Arahy	-----	-----
Part Rated										Plant -		
Rating Data Type							Stunting	Control	Control	Stunting	Control	Control
Rating Unit							Percent	Percent	Percent	Percent	Percent	Percent
Rating Date							May-22-20	May-22-20	May-29-20	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	Plot	1	2	3	4
									5			6
8	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	108	20.0	99.0	95.0	15.0
	WARRANT	3	ME	48.0	oz/a	PRE	A	211	20.0	99.0	99.0	15.0
	COBRA	2	EC	12.5	oz/a	POST	B	304	20.0	99.0	99.0	15.0
	WARRANT	3	ME	48.0	oz/a	POST	B					
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	INDUCE			0.25	% v/v	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
								Mean =	20.0	99.0	97.7	15.0
9	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	109	20.0	99.0	99.0	10.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	203	15.0	99.0	95.0	10.0
	COBRA	2	EC	12.5	oz/a	POST	B	306	20.0	99.0	99.0	10.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B					
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
								Mean =	18.3	99.0	97.7	10.0
10	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	110	20.0	99.0	99.0	10.0
	OUTLOOK	6	EC	10.5	oz/a	PRE	A	205	15.0	99.0	99.0	5.0
	COBRA	2	EC	12.5	oz/a	POST	B	309	15.0	99.0	99.0	15.0
	OUTLOOK	6	EC	10.5	oz/a	POST	B					
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
								Mean =	16.7	99.0	99.0	10.0
11	NTC							111	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0
								311	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Agrass	----	----	Amapa	Rapra	Agrass
Crop Code								Arahy	Arahy			
Part Rated								Plant -	Leaf -			
Rating Data Type							Control	Stunting	Burn	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-18-20
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
								207	0.0	0.0	0.0	0.0
								310	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		102	90.0	0.0	0.0	99.0
	WARRANT	3 ME		48.0 oz/a	PRE	A		204	95.0	0.0	0.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		303	99.0	0.0	0.0	99.0
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
								Mean =	94.7	0.0	0.0	99.0
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		103	99.0	0.0	0.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		206	99.0	0.0	0.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		301	99.0	0.0	0.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
								Mean =	99.0	0.0	0.0	99.0
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		104	99.0	0.0	0.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	PRE	A		201	99.0	0.0	0.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		308	95.0	0.0	0.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
								Mean =	97.7	0.0	0.0	99.0
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		105	95.0	10.0	15.0	99.0
	WARRANT	3 ME		48.0 oz/a	PRE	A		209	99.0	5.0	20.0	99.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		305	95.0	0.0	20.0	99.0
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	96.3	5.0	18.3	99.0
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		106	99.0	10.0	20.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		202	95.0	10.0	20.0	99.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		307	99.0	10.0	20.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	97.7	10.0	20.0	99.0
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		107	99.0	10.0	15.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	PRE	A		210	95.0	5.0	20.0	99.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		302	99.0	0.0	20.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	97.7	5.0	18.3	99.0

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Agrass	----	----	Amapa	Rapra	Agrass
Crop Code								Arahy	Arahy			
Part Rated								Plant -	Leaf -			
Rating Data Type							Control	Stunting	Burn	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-18-20
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
8	VALOR EZ2	4	SL	3.0 oz/a	PRE	A 108	99.0	10.0	20.0	99.0	99.0	90.0
	WARRANT	3	ME	48.0 oz/a	PRE	A 211	95.0	0.0	15.0	99.0	99.0	90.0
	COBRA	2	EC	12.5 oz/a	POST	B 304	99.0	10.0	15.0	99.0	99.0	95.0
	WARRANT	3	ME	48.0 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
	Mean =						97.7	6.7	16.7	99.0	99.0	91.7
9	VALOR EZ2	4	SL	3.0 oz/a	PRE	A 109	99.0	10.0	15.0	99.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A 203	99.0	0.0	15.0	99.0	99.0	95.0
	COBRA	2	EC	12.5 oz/a	POST	B 306	99.0	10.0	15.0	99.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
	Mean =						99.0	6.7	15.0	99.0	99.0	95.0
10	VALOR EZ2	4	SL	3.0 oz/a	PRE	A 110	99.0	5.0	20.0	99.0	99.0	95.0
	OUTLOOK	6	EC	10.5 oz/a	PRE	A 205	95.0	0.0	15.0	99.0	99.0	85.0
	COBRA	2	EC	12.5 oz/a	POST	B 309	95.0	0.0	15.0	99.0	99.0	95.0
	OUTLOOK	6	EC	10.5 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
	Mean =						96.3	1.7	16.7	99.0	99.0	91.7
11	NTC					111	0.0	0.0	0.0	0.0	0.0	0.0
						208	0.0	0.0	0.0	0.0	0.0	0.0
						311	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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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Agrass	Amapa	Rapra	Agrass	Amapa	Rapra
Crop Code												
Part Rated												
Rating Data Type							Control	Control	Control	Control	Control	Control
Rating Unit							Percent	Percent	Percent	Percent	Percent	Percent
Rating Date							Jun-25-20	Jul-7-20	Jul-7-20	Jul-7-20	Jul-22-20	Jul-22-20
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
1	NTC							101	0.0	0.0	0.0	0.0
								207	0.0	0.0	0.0	0.0
								310	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		102	95.0	99.0	99.0	99.0
	WARRANT	3 ME		48.0 oz/a	PRE	A		204	95.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		303	95.0	99.0	99.0	99.0
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
								Mean =	95.0	99.0	99.0	99.0
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		103	95.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		206	95.0	99.0	99.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		301	95.0	90.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
								Mean =	95.0	96.0	99.0	99.0
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		104	95.0	99.0	99.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	PRE	A		201	99.0	90.0	95.0	99.0
	CADRE	2 AS		4.0 oz/a	POST	B		308	95.0	99.0	99.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
								Mean =	96.3	96.0	97.7	99.0
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		105	85.0	99.0	99.0	99.0
	WARRANT	3 ME		48.0 oz/a	PRE	A		209	95.0	99.0	95.0	99.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		305	85.0	99.0	99.0	95.0
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	88.3	99.0	97.7	99.0
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		106	90.0	95.0	95.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		202	85.0	99.0	99.0	99.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		307	95.0	95.0	95.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	90.0	96.3	96.3	99.0
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A		107	95.0	99.0	99.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	PRE	A		210	85.0	99.0	99.0	99.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B		302	90.0	99.0	95.0	99.0
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	90.0	99.0	97.7	99.0

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Agrass	Amapa	Rapra	Agrass	Amapa	Rapra
Crop Code												
Part Rated												
Rating Data Type							Control	Control	Control	Control	Control	Control
Rating Unit							Percent	Percent	Percent	Percent	Percent	Percent
Rating Date							Jun-25-20	Jul-7-20	Jul-7-20	Jul-7-20	Jul-22-20	Jul-22-20
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
8	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	108		85.0	95.0	99.0	80.0
	WARRANT	3	ME	48.0 oz/a	PRE	A	211		75.0	99.0	99.0	85.0
	COBRA	2	EC	12.5 oz/a	POST	B	304		95.0	99.0	99.0	95.0
	WARRANT	3	ME	48.0 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
							Mean =		85.0	97.7	99.0	86.7
												97.7
												99.0
9	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	109		90.0	99.0	95.0	90.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	203		90.0	95.0	99.0	95.0
	COBRA	2	EC	12.5 oz/a	POST	B	306		90.0	99.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
							Mean =		90.0	97.7	97.7	93.3
												99.0
												99.0
10	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	110		85.0	99.0	99.0	90.0
	OUTLOOK	6	EC	10.5 oz/a	PRE	A	205		85.0	99.0	99.0	85.0
	COBRA	2	EC	12.5 oz/a	POST	B	309		90.0	99.0	99.0	90.0
	OUTLOOK	6	EC	10.5 oz/a	POST	B						
	2,4-DB	1.75	SL	18.0 oz/a	POST	B						
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
							Mean =		86.7	99.0	99.0	88.3
												99.0
												99.0
11	NTC						111		0.0	0.0	0.0	0.0
							208		0.0	0.0	0.0	0.0
							311		0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID: PE-17-20		Study Dir.: KEITH RUCKER										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code							Agrass	Amapa	Agrass	Iposp	-----	-----
Crop Code								-----	-----	-----		
Part Rated											ARAHY	ARAHY
Rating Data Type							Control	Control	Control	Control	YIELD	YIELD
Rating Unit							Percent	Percent	Percent	Percent	LBS/PLOT	LBS/PLOT
Rating Date							Jul-22-20	Aug-20-20	Aug-20-20	Aug-20-20	Oct-5-20	Oct-5-20
PRM Data Type												T
# Subsamples, Dec.											- 1	- 1
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	19	20	21	22
									23		24	
1	NTC							101	0.0	0.0	0.0	0.0
								207	0.0	0.0	0.0	0.0
								310	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	102	95.0	99.0	95.0	99.0	19.8
	WARRANT	3 ME		48.0 oz/a	PRE	A	204	99.0	99.0	95.0	95.0	21.0
	CADRE	2 AS		4.0 oz/a	POST	B	303	95.0	99.0	95.0	99.0	21.2
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
								Mean =	96.3	99.0	95.0	20.7
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	103	95.0	99.0	95.0	95.0	20.5
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	206	99.0	95.0	95.0	99.0	20.7
	CADRE	2 AS		4.0 oz/a	POST	B	301	99.0	90.0	99.0	99.0	22.6
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
								Mean =	97.7	94.7	96.3	21.3
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	104	95.0	99.0	95.0	90.0	20.5
	OUTLOOK	6 EC		10.5 oz/a	PRE	A	201	99.0	85.0	95.0	99.0	20.7
	CADRE	2 AS		4.0 oz/a	POST	B	308	95.0	99.0	95.0	99.0	22.2
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
								Mean =	96.3	94.3	95.0	21.1
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	105	99.0	99.0	99.0	99.0	19.9
	WARRANT	3 ME		48.0 oz/a	PRE	A	209	99.0	99.0	99.0	99.0	19.0
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	305	99.0	99.0	99.0	80.0	19.7
	WARRANT	3 ME		48.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	99.0	99.0	99.0	92.7
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	106	99.0	95.0	99.0	65.0	19.9
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	202	95.0	99.0	99.0	90.0	20.1
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	307	99.0	99.0	99.0	95.0	21.9
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	97.7	97.7	99.0	83.3
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	107	99.0	90.0	99.0	85.0	19.6
	OUTLOOK	6 EC		10.5 oz/a	PRE	A	210	99.0	95.0	99.0	99.0	19.2
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	302	99.0	99.0	95.0	99.0	22.1
	OUTLOOK	6 EC		10.5 oz/a	POST	B						
	2,4-DB	1.75 SL		18.0 oz/a	POST	B						
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C						
	INDUCE			0.25 % v/v	LPOST	C						
								Mean =	99.0	94.7	97.7	94.3

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS												
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Agrass	Amapa	Agrass	Iposp	-----	-----
Crop Code								-----	-----	-----		
Part Rated											ARAHY	ARAHY
Rating Data Type											DIRTY -	CLEAN -
Rating Unit							Control	Control	Control	Control	YIELD	YIELD
Rating Date							Percent	Percent	Percent	Percent	LBS/PLOT	LBS/PLOT
PRM Data Type							Jul-22-20	Aug-20-20	Aug-20-20	Aug-20-20	Oct-5-20	Oct-5-20
# Subsamples, Dec.											T1	T1
											- 1	- 1
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	19	20	21	22
												23
												24
8	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	108	99.0	99.0	99.0	95.0
	WARRANT	3	ME	48.0	oz/a	PRE	A	211	99.0	99.0	99.0	99.0
	COBRA	2	EC	12.5	oz/a	POST	B	304	99.0	99.0	99.0	80.0
	WARRANT	3	ME	48.0	oz/a	POST	B					17.8
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	INDUCE			0.25	% v/v	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
	Mean =								99.0	99.0	99.0	91.3
												18.9
												18.6
9	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	109	99.0	99.0	95.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	203	99.0	99.0	99.0	90.0
	COBRA	2	EC	12.5	oz/a	POST	B	306	99.0	99.0	99.0	90.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B					21.6
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
	Mean =								99.0	99.0	97.7	91.7
												21.2
												20.8
10	VALOR EZ2	4	SL	3.0	oz/a	PRE	A	110	99.0	99.0	99.0	95.0
	OUTLOOK	6	EC	10.5	oz/a	PRE	A	205	99.0	99.0	95.0	95.0
	COBRA	2	EC	12.5	oz/a	POST	B	309	99.0	99.0	95.0	99.0
	OUTLOOK	6	EC	10.5	oz/a	POST	B					19.6
	2,4-DB	1.75	SL	18.0	oz/a	POST	B					
	SELECT MAX	0.97	EC	12.0	oz/a	LPOST	C					
	INDUCE			0.25	% v/v	LPOST	C					
	Mean =								99.0	99.0	96.3	96.3
												19.3
												18.9
11	NTC							111	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0
								311	0.0	0.0	0.0	0.0
	Mean =								0.0	0.0	0.0	0.0
												0.0

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS									
Trial ID:		PE-17-20		Study Dir.:		KEITH RUCKER			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code							-----		
Crop Code							ARAHY		
Part Rated							CLEAN -		
Rating Data Type							YIELD		
Rating Unit							LBS/A		
Rating Date							Oct-5-20		
PRM Data Type							TY2		
# Subsamples, Dec.							- 0		
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	25
1	NTC						101		0
							207		0
							310		0
							Mean =		0
2	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	102		5203
	WARRANT	3 ME		48.0 oz/a	PRE	A	204		5518
	CADRE	2 AS		4.0 oz/a	POST	B	303		5571
	WARRANT	3 ME		48.0 oz/a	POST	B			
	2,4-DB	1.75 SL		18.0 oz/a	POST	B			
	INDUCE			0.25 % v/v	POST	B			
							Mean =		5431
3	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	103		5387
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	206		5439
	CADRE	2 AS		4.0 oz/a	POST	B	301		5939
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B			
	2,4-DB	1.75 SL		18.0 oz/a	POST	B			
							Mean =		5588
4	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	104		5387
	OUTLOOK	6 EC		10.5 oz/a	PRE	A	201		5439
	CADRE	2 AS		4.0 oz/a	POST	B	308		5834
	OUTLOOK	6 EC		10.5 oz/a	POST	B			
	2,4-DB	1.75 SL		18.0 oz/a	POST	B			
							Mean =		5553
5	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	105		5229
	WARRANT	3 ME		48.0 oz/a	PRE	A	209		4993
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	305		5177
	WARRANT	3 ME		48.0 oz/a	POST	B			
	2,4-DB	1.75 SL		18.0 oz/a	POST	B			
	INDUCE			0.25 % v/v	POST	B			
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C			
	INDUCE			0.25 % v/v	LPOST	C			
							Mean =		5133
6	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	106		5229
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	202		5282
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	307		5755
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B			
	2,4-DB	1.75 SL		18.0 oz/a	POST	B			
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C			
	INDUCE			0.25 % v/v	LPOST	C			
							Mean =		5422
7	VALOR EZ2	4 SL		3.0 oz/a	PRE	A	107		5150
	OUTLOOK	6 EC		10.5 oz/a	PRE	A	210		5045
	ULTRA BLAZER	2 SL		24.0 oz/a	POST	B	302		5807
	OUTLOOK	6 EC		10.5 oz/a	POST	B			
	2,4-DB	1.75 SL		18.0 oz/a	POST	B			
	SELECT MAX	0.97 EC		12.0 oz/a	LPOST	C			
	INDUCE			0.25 % v/v	LPOST	C			
							Mean =		5334

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WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS

Trial ID: PE-17-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code								-----
Crop Code								ARAHY
Part Rated								CLEAN -
Rating Data Type								YIELD
Rating Unit								LBS/A
Rating Date								Oct-5-20
PRM Data Type								TY2
# Subsamples, Dec.								- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot	25
8	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	108	5676
	WARRANT	3	ME	48.0 oz/a	PRE	A	211	4572
	COBRA	2	EC	12.5 oz/a	POST	B	304	4677
	WARRANT	3	ME	48.0 oz/a	POST	B		
	2,4-DB	1.75	SL	18.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C		
	INDUCE			0.25 % v/v	LPOST	C		
	Mean =							4975
9	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	109	5518
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	203	5518
	COBRA	2	EC	12.5 oz/a	POST	B	306	5676
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B		
	2,4-DB	1.75	SL	18.0 oz/a	POST	B		
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C		
	INDUCE			0.25 % v/v	LPOST	C		
	Mean =							5571
10	VALOR EZ2	4	SL	3.0 oz/a	PRE	A	110	4546
	OUTLOOK	6	EC	10.5 oz/a	PRE	A	205	5545
	COBRA	2	EC	12.5 oz/a	POST	B	309	5150
	OUTLOOK	6	EC	10.5 oz/a	POST	B		
	2,4-DB	1.75	SL	18.0 oz/a	POST	B		
	SELECT MAX	0.97	EC	12.0 oz/a	LPOST	C		
	INDUCE			0.25 % v/v	LPOST	C		
	Mean =							5080
11	NTC						111	0
							208	0
							311	0
							Mean =	0

University of Georgia

WARRANT VS. DUAL VS. OUTLOOK WEED CONTROL PROGRAMS

Trial ID: PE-17-20 Study Dir.: KEITH RUCKER
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)

Leaf = LEAF / FOLIAGE

PRM Data Type

T1 = [23]*0.98

TY2 = 268.136*[24]