

University of Georgia

WEED CONTROL IN WINTER/FIELD PEAS

Trial ID: FP-01-20 Study Dir.: RICHARD ROYAL
 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 Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	202	303	401
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	102	206	301	402
3	ANTHEM FLEX	4.0	SL	2.70 oz/a	PRE	A	15 GPA	2.109 mL/mx	1497.9 mL	103	205	312	405
4	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	15 GPA	2.929 mL/mx	1497.1 mL	104	207	314	407
5	VALOR	51	WG	2.0 oz/a	PRE	A	15 GPA	1.498 g/mx	1498.5 mL	105	203	304	409
6	TRICOR	4	F	8.0 oz/a	PRE	A	15 GPA	6.249 mL/mx	1493.8 mL	106	213	315	408
7	PURSUIT INDUCE	2	AS	3.0 oz/a 0.25 % v/v	POST POST	B B	15 GAL/AC 15 GAL/AC	2.343 mL/mx 3.75 mL/mx	1493.9 mL	107	211	310	411
8	BROADLOOM PURSUIT INDUCE	4 2	SL AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	POST POST POST	B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 2.343 mL/mx 3.75 mL/mx	1481.4 mL	108	209	313	410
9	SPARTAN CHARGE PURSUIT INDUCE	3.5 2	L AS	3.75 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	15 GPA 15 GAL/AC 15 GAL/AC	2.929 mL/mx 2.343 mL/mx 3.75 mL/mx	1497.1 mL 1493.9 mL	109	210	308	404
10	VALOR PURSUIT INDUCE	51 2	WG AS	2.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	15 GPA 15 GAL/AC 15 GAL/AC	1.498 g/mx 2.343 mL/mx 3.75 mL/mx	1498.5 mL 1493.9 mL	110	201	305	406
11	TRICOR PURSUIT INDUCE	4 2	F AS	8.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	15 GPA 15 GAL/AC 15 GAL/AC	6.249 mL/mx 2.343 mL/mx 3.75 mL/mx	1493.8 mL 1493.9 mL	111	214	311	413
12	DUAL MAGNUM PURSUIT INDUCE	7.62 2	EC AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	15 GPA 15 GAL/AC 15 GAL/AC	12.5 mL/mx 2.343 mL/mx 3.75 mL/mx	1487.5 mL 1493.9 mL	112	215	302	403
13	ANTHEM FLEX PURSUIT INDUCE	4 2	SL SL	2.70 oz/a 4.0 oz/a 0.25 % v/v	PRE POST POST	A B B	15 GPA 15 GAL/AC 15 GAL/AC	2.109 mL/mx 3.125 mL/mx 3.75 mL/mx	1497.9 mL 1493.1 mL	113	208	307	412
14	TRICOR CROP OIL ADJUVANT	4	F	8.0 oz/a 1.0 % v/v	PRE PRE	A A	15 GPA 15 GPA	6.249 mL/mx 15.0 mL/mx	1478.8 mL	114	204	309	414
15	NTC								-	115	212	306	415

Sort Order: Treatment

Trial Comments

INOCULANT: GUARD-N SEED INOCULANT (VERDESIAN)

ANTHEM FLEX 4SE = PYROXASULFONE (3.773 LBS/GAL) + CARFENTRAZONE (0.267 LBS/GAL)
 SPARTAN CHARGE 3.5L = SULFENTRAZONE (3.15 LBS/GAL) + CARFENTRAZONE (0.35 LBS/GAL)

NOVEMBER 12 = 33⁰ F LOW

NOVEMBER 13 = 30.9⁰ F LOW

NOVEMBER 13 = FIELD PEAS JUST EMERGING ~0.5" TALL

SUMMARY:

1) PRE APPLICATIONS OF VALOR CAUSED SIGNIFICANT PEA INJURY (>50% INJURY).

2) PRE APPLICATIONS OF TRICOR CAUSED 13% PEA STUNTING AT 13 DAT BUT THE CROP RECOVERED FROM THIS INJURY BY 26 DAT (2.5% CROP INJURY).

2) ONLY PRE APPLICATIONS OF TRICOR PROVIDED ACCEPTABLE CONTROL OF WILD RADISH (>90% CONTROL).

3) ANTHEM FLEX PROVIDED BETTER CONTROL OF WILD RADISH THAN DUAL MAGNUM. HOWEVER, CONTROL WAS STILL UNACCEPTABLE (<50% CONTROL).

4) POST APPLICATIONS OF PURSUIT OR BROADLOOM PROVIDED POOR CONTROL OF WILD RADISH (<30% CONTROL).

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5) PEA YIELD DATA WAS NOT COLLECTED DUE TO THE LATE SEASON DEVELOPMENT OF BOTRYTIS BLIGHT.

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: RICHARD ROYAL **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. RAPRA WILD RADISH **2.** LAMAM HENBIT

Crop 1: PISSA FIELD PEA **Variety:** ESO **Planting Date:** Nov-6-19
Planting Method: _____ **Rate:** 150 LB/A **Depth:** 1.5 IN
Perennial Age: _____ **Row Spacing:** 7.5 IN **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: 300 LBS/A 5-15-30 PREPLANT;

Previous: Crops **Pesticides** **Year**
1. FALLOW 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: 6.2 **CEC:** 2.6 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Nov-7-19		0.5	IN	SPRINKLER - LATERAL MOVE		
2. Nov-8-19		0.63	IN	RAINFALL		
3. Nov-12-19		0.05	IN	RAINFALL		
4. Nov-14-19		0.07	IN	RAINFALL		
5. Nov-15-19		0.36	IN	RAINFALL		
6. Nov-16-19		0.02	IN	RAINFALL		
7. Nov-23-19		0.18	IN	RAINFALL		
8. Nov-27-19		0.05	IN	RAINFALL		
9. Dec-1-19		0.42	IN	RAINFALL		
10. Dec-10-19		0.06	IN	RAINFALL		
11. Dec-11-19		0.05	IN	RAINFALL		

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

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Nov-7-19						
Time of Day:	7:00 AM						
Application Method:	BROADCAST						
Application Timing:	PRE						
Applic. Placement:	SOIL						
Air Temp., Unit:	64 F						
% Relative Humidity:	96						
Wind Velocity, Unit:	3 MPH						
Dew Presence (Y/N):	Y						
Water Hardness:							
Soil Temp., Unit:	67 F						
Soil Moisture:	OPTIMUM						
% Cloud Cover:	100						
		G	H	I	J	K	L
Application Date:							
Time of Day:							
Application Method:							
Application Timing:							
Applic. Placement:							
Air Temp., Unit:							
% Relative Humidity:							
Wind Velocity, Unit:							
Dew Presence (Y/N):							
Water Hardness:							
Soil Temp., Unit:							
Soil Moisture:							
% Cloud Cover:							

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: PISSA						
Stage Scale:							
Height, Unit:							
		G	H	I	J	K	L
Crop 1	Stage: PISSA						
Stage Scale:							
Height, Unit:							

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: RAPRA						
Stage Scale:							
Density, Unit:							
Weed 2	Stage: LAMAM						
Stage Scale:							
Density, Unit:							
Weed 3	Stage:						
Stage Scale:							
Density, Unit:							
		G	H	I	J	K	L
Weed 1	Stage: RAPRA						
Stage Scale:							
Density, Unit:							
Weed 2	Stage: LAMAM						
Stage Scale:							
Density, Unit:							
Weed 3	Stage:						
Stage Scale:							
Density, Unit:							

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		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK						
Operating Pressure:	40						
Nozzle Type:	TTI						
Nozzle Size:	02						
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):	-	-					
		G	H	I	J	K	L
Appl. Equipment:							
Operating Pressure:							
Nozzle Type:							
Nozzle Size:							
Nozzle Spacing, Unit:							
Nozzles/Row:							
Band Width, Unit:							
Boom Length, Unit:							
Boom Height, Unit:							
Ground Speed, Unit:							
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:							
Spray Volume, Unit:							
Spray pH:							
Propellant:							
Tank Mix (Y/N):	-	-					

Trt No Treatment Application Comment

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- PISSA Injury Percent Nov-20-19	RAPRA ----- Control Percent Nov-20-19	----- PISSA Injury Percent Dec-3-19	RAPRA ----- Control Percent Dec-3-19	----- Pissa Injury Percent Dec-12-19	Rapra ----- Control Percent Dec-12-19
Trt Treatment No. Name	Form Form Conc Type	Rate Rate	Grow Stg	Appl Code			1	2	3	4	5	6
1 NTC							0.0 d	0.0 d	0.0 c	0.0 f	0.0 d	0.0 g
2 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A			10.0 c	56.3 b	5.0 bc	31.3 d	5.0 bc	22.5 f
3 ANTHEM FLEX	4.0 SL	2.70 oz/a	PRE	A			10.0 c	43.8 c	10.0 b	48.8 c	8.8 b	45.0 de
4 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A			10.0 c	53.8 bc	0.0 c	20.0 e	2.5 cd	20.0 f
5 VALOR	51 WG	2.0 oz/a	PRE	A			83.8 a	83.8 a	47.5 a	85.0 b	47.5 a	73.8 b
6 TRICOR	4 F	8.0 oz/a	PRE	A			12.5 c	62.5 b	2.5 c	97.0 a	5.0 bc	95.0 a
7 PURSUIT INDUCE	2 AS	3.0 oz/a 0.25 % v/v	POST POST B	B			0.0 d	0.0 d	0.0 c	0.0 f	0.0 d	25.0 f
8 BROADLOOM PURSUIT INDUCE	4 SL 2 AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	POST POST B POST B	B			0.0 d	0.0 d	0.0 c	0.0 f	0.0 d	20.0 f
9 SPARTAN CHARGE PURSUIT INDUCE	3.5 L 2 AS	3.75 oz/a 3.0 oz/a 0.25 % v/v	PRE POST B POST B	A			10.0 c	52.5 bc	0.0 c	22.5 e	0.0 d	32.5 ef
10 VALOR PURSUIT INDUCE	51 WG 2 AS	2.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST B POST B	A			77.5 b	86.3 a	50.0 a	81.3 b	48.8 a	60.0 bc
11 TRICOR PURSUIT INDUCE	4 F 2 AS	8.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST B POST B	A			12.5 c	52.5 bc	0.0 c	97.0 a	5.0 bc	95.8 a
12 DUAL MAGNUM PURSUIT INDUCE	7.62 EC 2 AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST B POST B	A			15.0 c	52.5 bc	2.5 c	20.0 e	7.5 b	27.5 f
13 ANTHEM FLEX PURSUIT INDUCE	4 SL 2 SL	2.70 oz/a 4.0 oz/a 0.25 % v/v	PRE POST B POST B	A			10.0 c	58.8 b	10.0 b	47.5 c	8.8 b	58.8 cd
14 TRICOR CROP OIL ADJUVANT	4 F	8.0 oz/a 1.0 % v/v	PRE PRE	A			12.5 c	62.5 b	0.0 c	95.0 a	2.5 cd	93.8 a
15 NTC							0.0 d	0.0 d	0.0 c	0.0 f	0.0 d	0.0 g
LSD P=.10							5.03	11.64	5.06	7.54	4.93	14.88
Standard Deviation							4.23	9.79	4.25	6.34	4.15	12.51
CV							24.05	22.08	50.05	14.74	44.02	28.03
Grand Mean							17.58	44.33	8.50	43.02	9.42	44.63
Bartlett's X2							8.663	18.311	4.03	17.477	3.986	37.663
P(Bartlett's X2)							0.123	0.05*	0.673	0.015*	0.912	0.001*

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

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

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Pissa Injury - Percent Jan-13-20	Rapra Control Control Percent Jan-13-20
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	
1	NTC							0.0 c
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A		0.0 c
3	ANTHEM FLEX	4.0	SL	2.70 oz/a	PRE	A		5.0 bc
4	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A		0.0 c
5	VALOR	51	WG	2.0 oz/a	PRE	A		50.0 a
6	TRICOR	4	F	8.0 oz/a	PRE	A		8.8 b
7	PURSUIT INDUCE	2	AS	3.0 oz/a 0.25 % v/v	POST POST	B B		0.0 c
8	BROADLOOM PURSUIT INDUCE	4 2	SL AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	POST POST POST	B B B		0.0 c
9	SPARTAN CHARGE PURSUIT INDUCE	3.5 2	L AS	3.75 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B		0.0 c
10	VALOR PURSUIT INDUCE	51 2	WG AS	2.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B		50.0 a
11	TRICOR PURSUIT INDUCE	4 2	F AS	8.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B		7.5 b
12	DUAL MAGNUM PURSUIT INDUCE	7.62 2	EC AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B		6.3 b
13	ANTHEM FLEX PURSUIT INDUCE	4 2	SL SL	2.70 oz/a 4.0 oz/a 0.25 % v/v	PRE POST POST	A B B		6.3 b
14	TRICOR CROP OIL ADJUVANT	4	F	8.0 oz/a 1.0 % v/v	PRE PRE	A A		10.0 b
15	NTC							0.0 c
LSD P=.10							5.10	14.13
Standard Deviation							4.29	11.88
CV							44.78	28.18
Grand Mean							9.58	42.17
Bartlett's X2							1.484	32.027
P(Bartlett's X2)							0.829	0.001*

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

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

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Randomized Complete Block (RCB) AOV For ----- PISSA Injury Percent Nov-20-19 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	39074.583333			
Replicate	3	17.916667	5.972222	0.334	0.8007
Treatment	14	38305.833333	2736.130952	153.053	0.0001
Error	42	750.833333	17.876984		

Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent Nov-20-19 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	55173.333333			
Replicate	3	1263.333333	421.111111	4.395	0.0089
Treatment	14	49885.833333	3563.273810	37.190	0.0001
Error	42	4024.166667	95.813492		

Randomized Complete Block (RCB) AOV For ----- PISSA Injury Percent Dec-3-19 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	16765.000000			
Replicate	3	365.000000	121.666667	6.724	0.0008
Treatment	14	15640.000000	1117.142857	61.737	0.0001
Error	42	760.000000	18.095238		

Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent Dec-3-19 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	85102.983333			
Replicate	3	100.050000	33.350000	0.830	0.4850
Treatment	14	83314.733333	5951.052381	148.054	0.0001
Error	42	1688.200000	40.195238		

Randomized Complete Block (RCB) AOV For ----- Pissa Injury Percent Dec-12-19 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	15204.583333			
Replicate	3	84.583333	28.194444	1.641	0.1944
Treatment	14	14398.333333	1028.452381	59.855	0.0001
Error	42	721.666667	17.182540		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Dec-12-19 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	68625.933333			
Replicate	3	615.533333	205.177778	1.311	0.2834
Treatment	14	61437.933333	4388.423810	28.043	0.0001
Error	42	6572.466667	156.487302		

Randomized Complete Block (RCB) AOV For ----- Pissa Injury Percent Jan-13-20 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	16664.583333			
Replicate	3	57.916667	19.305556	1.048	0.3811
Treatment	14	15833.333333	1130.952381	61.422	0.0001
Error	42	773.333333	18.412698		

Randomized Complete Block (RCB) AOV For Rapra Control Control Percent Jan-13-20 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	70218.333333			
Replicate	3	645.000000	215.000000	1.523	0.2226
Treatment	14	63643.333333	4545.952381	32.197	0.0001
Error	42	5930.000000	141.190476		

Weed Code

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- PISSA Injury Percent Nov-20-19	RAPRA ----- Control Percent Nov-20-19	----- PISSA Injury Percent Dec-3-19	RAPRA ----- Control Percent Dec-3-19	----- Pissa Injury Percent Dec-12-19
Trt Treatment No. Name	Form Form Conc Type Rate Unit	Rate Rate Unit	Grow Stg	Appl Code Plot		1	2	3	4	5
1 NTC					101	0.0	0.0	0.0	0.0	0.0
					202	0.0	0.0	0.0	0.0	0.0
					303	0.0	0.0	0.0	0.0	0.0
					401	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0
2 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	102	10.0	50.0	10.0	30.0	10.0
					206	10.0	75.0	0.0	30.0	0.0
					301	10.0	50.0	0.0	30.0	10.0
					402	10.0	50.0	10.0	35.0	0.0
					Mean =	10.0	56.3	5.0	31.3	5.0
3 ANTHEM FLEX	4.0 SL	2.70 oz/a	PRE	A	103	10.0	65.0	20.0	65.0	15.0
					205	10.0	50.0	0.0	50.0	0.0
					312	10.0	30.0	0.0	30.0	10.0
					405	10.0	30.0	20.0	50.0	10.0
					Mean =	10.0	43.8	10.0	48.8	8.8
4 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A	104	10.0	65.0	0.0	30.0	10.0
					207	10.0	50.0	0.0	20.0	0.0
					314	10.0	50.0	0.0	20.0	0.0
					407	10.0	50.0	0.0	10.0	0.0
					Mean =	10.0	53.8	0.0	20.0	2.5
5 VALOR	51 WG	2.0 oz/a	PRE	A	105	85.0	85.0	50.0	85.0	50.0
					203	85.0	80.0	50.0	85.0	45.0
					304	80.0	85.0	40.0	85.0	45.0
					409	85.0	85.0	50.0	85.0	50.0
					Mean =	83.8	83.8	47.5	85.0	47.5
6 TRICOR	4 F	8.0 oz/a	PRE	A	106	10.0	85.0	0.0	99.0	0.0
					213	10.0	50.0	0.0	95.0	0.0
					315	15.0	65.0	0.0	99.0	10.0
					408	15.0	50.0	10.0	95.0	10.0
					Mean =	12.5	62.5	2.5	97.0	5.0
7 PURSUIT INDUCE	2 AS	3.0 oz/a 0.25 % v/v	POST B POST B		107	0.0	0.0	0.0	0.0	0.0
					211	0.0	0.0	0.0	0.0	0.0
					310	0.0	0.0	0.0	0.0	0.0
					411	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0
8 BROADLOOM PURSUIT INDUCE	4 SL 2 AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	POST B POST B POST B		108	0.0	0.0	0.0	0.0	0.0
					209	0.0	0.0	0.0	0.0	0.0
					313	0.0	0.0	0.0	0.0	0.0
					410	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0
9 SPARTAN CHARGE PURSUIT INDUCE	3.5 L 2 AS	3.75 oz/a 3.0 oz/a 0.25 % v/v	PRE A POST B POST B		109	10.0	65.0	0.0	30.0	0.0
					210	10.0	65.0	0.0	20.0	0.0
					308	10.0	30.0	0.0	30.0	0.0
					404	10.0	50.0	0.0	10.0	0.0
					Mean =	10.0	52.5	0.0	22.5	0.0
10 VALOR PURSUIT INDUCE	51 WG 2 AS	2.0 oz/a 3.0 oz/a 0.25 % v/v	PRE A POST B POST B		110	65.0	85.0	50.0	70.0	50.0
					201	85.0	90.0	50.0	85.0	50.0
					305	75.0	85.0	40.0	85.0	45.0
					406	85.0	85.0	60.0	85.0	50.0
					Mean =	77.5	86.3	50.0	81.3	48.8
11 TRICOR PURSUIT INDUCE	4 F 2 AS	8.0 oz/a 3.0 oz/a 0.25 % v/v	PRE A POST B POST B		111	10.0	65.0	0.0	99.0	0.0
					214	20.0	50.0	0.0	99.0	0.0
					311	10.0	30.0	0.0	95.0	10.0
					413	10.0	65.0	0.0	95.0	10.0
					Mean =	12.5	52.5	0.0	97.0	5.0

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WEED CONTROL IN WINTER/FIELD PEAS

Trial ID: FP-01-20 Study Dir.: RICHARD ROYAL
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	RAPRA	-----	RAPRA	-----		
Crop Code							PISSA	-----	PISSA	-----	Pissa		
Part Rated													
Rating Data Type													
Rating Unit							Injury	Control	Injury	Control	Injury		
Rating Date							Percent	Percent	Percent	Percent	Percent		
							Nov-20-19	Nov-20-19	Dec-3-19	Dec-3-19	Dec-12-19		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5
12	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	112	10.0	65.0	0.0	20.0	0.0
	PURSUIT	2	AS	3.0	oz/a	POST	B	215	10.0	65.0	0.0	20.0	10.0
	INDUCE			0.25	% v/v	POST	B	302	30.0	50.0	0.0	20.0	10.0
								403	10.0	30.0	10.0	20.0	10.0
								Mean =	15.0	52.5	2.5	20.0	7.5
13	ANTHEM FLEX	4	SL	2.70	oz/a	PRE	A	113	10.0	60.0	10.0	50.0	10.0
	PURSUIT	2	SL	4.0	oz/a	POST	B	208	10.0	60.0	10.0	50.0	10.0
	INDUCE			0.25	% v/v	POST	B	307	10.0	50.0	0.0	30.0	0.0
								412	10.0	65.0	20.0	60.0	15.0
								Mean =	10.0	58.8	10.0	47.5	8.8
14	TRICOR	4	F	8.0	oz/a	PRE	A	114	20.0	60.0	0.0	95.0	0.0
	CROP OIL ADJUVANT			1.0	% v/v	PRE	A	204	10.0	75.0	0.0	95.0	0.0
								309	10.0	50.0	0.0	95.0	0.0
								414	10.0	65.0	0.0	95.0	10.0
								Mean =	12.5	62.5	0.0	95.0	2.5
15	NTC							115	0.0	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0	0.0
								306	0.0	0.0	0.0	0.0	0.0
								415	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

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WEED CONTROL IN WINTER/FIELD PEAS

Trial ID: FP-01-20 Study Dir.: RICHARD ROYAL
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Rapra ----- Control Percent Dec-12-19	----- Pissa Injury - Percent Jan-13-20	Rapra Control Percent Jan-13-20
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		6	7	8
1 NTC					101	0.0	0.0	0.0
					202	0.0	0.0	0.0
					303	0.0	0.0	0.0
					401	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
2 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	102	20.0	0.0	10.0
					206	20.0	0.0	10.0
					301	30.0	0.0	0.0
					402	20.0	0.0	0.0
					Mean =	22.5	0.0	5.0
3 ANTHEM FLEX	4.0 SL	2.70 oz/a	PRE	A	103	60.0	20.0	20.0
					205	30.0	0.0	50.0
					312	40.0	0.0	30.0
					405	50.0	0.0	20.0
					Mean =	45.0	5.0	30.0
4 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A	104	20.0	0.0	10.0
					207	20.0	0.0	10.0
					314	20.0	0.0	0.0
					407	20.0	0.0	0.0
					Mean =	20.0	0.0	5.0
5 VALOR	51 WG	2.0 oz/a	PRE	A	105	70.0	50.0	50.0
					203	75.0	50.0	50.0
					304	70.0	50.0	50.0
					409	80.0	50.0	60.0
					Mean =	73.8	50.0	52.5
6 TRICOR	4 F	8.0 oz/a	PRE	A	106	95.0	10.0	95.0
					213	95.0	0.0	95.0
					315	95.0	15.0	95.0
					408	95.0	10.0	90.0
					Mean =	95.0	8.8	93.8
7 PURSUIT INDUCE	2 AS	3.0 oz/a 0.25 % v/v	POST POST	B B	107	40.0	0.0	50.0
					211	20.0	0.0	30.0
					310	20.0	0.0	10.0
					411	20.0	0.0	30.0
					Mean =	25.0	0.0	30.0
8 BROADLOOM PURSUIT INDUCE	4 SL 2 AS	16.0 oz/a 3.0 oz/a 0.25 % v/v	POST POST POST	B B B	108	30.0	0.0	50.0
					209	10.0	0.0	20.0
					313	20.0	0.0	10.0
					410	20.0	0.0	30.0
					Mean =	20.0	0.0	27.5
9 SPARTAN CHARGE PURSUIT INDUCE	3.5 L 2 AS	3.75 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	109	50.0	0.0	65.0
					210	30.0	0.0	30.0
					308	30.0	0.0	30.0
					404	20.0	0.0	20.0
					Mean =	32.5	0.0	36.3
10 VALOR PURSUIT INDUCE	51 WG 2 AS	2.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	110	70.0	50.0	60.0
					201	80.0	50.0	65.0
					305	5.0	50.0	65.0
					406	85.0	50.0	65.0
					Mean =	60.0	50.0	63.8
11 TRICOR PURSUIT INDUCE	4 F 2 AS	8.0 oz/a 3.0 oz/a 0.25 % v/v	PRE POST POST	A B B	111	95.0	10.0	95.0
					214	98.0	0.0	95.0
					311	95.0	10.0	95.0
					413	95.0	10.0	95.0
					Mean =	95.8	7.5	95.0

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WEED CONTROL IN WINTER/FIELD PEAS

Trial ID: FP-01-20 Study Dir.: RICHARD ROYAL
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Rapra ----- Control Percent Dec-12-19	----- Pissa Injury - Percent Jan-13-20	Rapra Control Control Percent Jan-13-20
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code	Plot		6	7	8
12 DUAL MAGNUM PURSUIT INDUCE	7.62 EC	16.0 oz/a	PRE	A	112		20.0	0.0	30.0
	2 AS	3.0 oz/a	POST	B	215		40.0	0.0	30.0
		0.25 % v/v	POST	B	302		30.0	10.0	40.0
					403		20.0	15.0	50.0
					Mean =		27.5	6.3	37.5
13 ANTHEM FLEX PURSUIT INDUCE	4 SL	2.70 oz/a	PRE	A	113		50.0	0.0	50.0
	2 SL	4.0 oz/a	POST	B	208		60.0	10.0	90.0
		0.25 % v/v	POST	B	307		40.0	0.0	30.0
					412		85.0	15.0	85.0
					Mean =		58.8	6.3	63.8
14 TRICOR CROP OIL ADJUVANT	4 F	8.0 oz/a	PRE	A	114		90.0	10.0	85.0
		1.0 % v/v	PRE	A	204		95.0	10.0	95.0
					309		95.0	10.0	95.0
					414		95.0	10.0	95.0
					Mean =		93.8	10.0	92.5
15 NTC					115		0.0	0.0	0.0
					212		0.0	0.0	0.0
					306		0.0	0.0	0.0
					415		0.0	0.0	0.0
					Mean =		0.0	0.0	0.0

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WEED CONTROL IN WINTER/FIELD PEAS

Trial ID: FP-01-20 Study Dir.: RICHARD ROYAL
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Weed Code

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.