

University of Georgia

WEED CONTROL IN CLEARFIELD SUNFLOWERS									
Trial ID: SN-01-17		Study Dir.:							
Location: PONDER FARM		Investigator: Eric P. Prostko							

Reps: 3 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.58658 liters calculated mix size)

Trt No.	Treatment Name	Form Form		Rate	Grow Stg	Appl Code	Amt Product to Measure	Rep		
		Conc	Type					Rate Unit	1	2
1	NO PRE NO CADRE							101	208	304
2	NO PRE CADRE COC	2 AS		4.0 oz/a 1.0 % v/v	POST B POST B		3.125 ml/mx 15.0 ml/mx	102	207	303
3	PROWL H2O SPARTAN CHARGE NO CADRE	3.8 SC 3.5 L		32.0 oz/a 3.75 oz/a	PRE A PRE A	A A	25.0 ml/mx 2.929 ml/mx	103	204	305
4	PROWL H2O SPARTAN CHARGE CADRE COC	3.8 SC 3.5 L 2 AS		32.0 oz/a 3.75 oz/a 4.0 oz/a	PRE A PRE A POST B	A A POST B	25.0 ml/mx 2.929 ml/mx 3.125 ml/mx 15.0 ml/mx	104	209	301
5	ZIDUA SPARTAN CHARGE NO CADRE	85 WG 3.5 L		1.5 oz/a 3.75 oz/a	PRE A PRE A	A A	1.123 g/mx 2.929 ml/mx	105	206	310
6	ZIDUA SPARTAN CHARGE CADRE COC	85 WG 3.5 L 2 AS		1.5 oz/a 3.75 oz/a 4.0 oz/a	PRE A PRE A POST B	A A POST B	1.123 g/mx 2.929 ml/mx 3.125 ml/mx 15.0 ml/mx	106	210	309
7	SPARTAN ELITE NO CADRE	7 EC		19.0 oz/a	PRE A	A	14.84 ml/mx	107	201	307
8	SPARTAN ELITE CADRE COC	7 EC 2 AS		19.0 oz/a 4.0 oz/a	PRE A POST B	A POST B	14.84 ml/mx 3.125 ml/mx 15.0 ml/mx	108	203	306
9	DUAL MAGNUM SPARTAN CHARGE NO CADRE	7.62 EC 3.5 L		16.0 oz/a 3.75 oz/a	PRE A PRE A	A A	12.5 ml/mx 2.929 ml/mx	109	202	308
10	DUAL MAGNUM SPARTAN CHARGE CADRE COC	7.62 EC 3.5 L 2 AS		16.0 oz/a 3.75 oz/a 4.0 oz/a	PRE A PRE A POST B	A A POST B	12.5 ml/mx 2.929 ml/mx 3.125 ml/mx 15.0 ml/mx	110	205	302

Sort Order: Treatment

Trial Comments
<p>SPARTAN CHARGE = CARFENTRAZONE (0.35 LBS/GAL) + SULFENTRAZONE (3.15 LBS/GAL) SPARTAN ELITE = SULFENTRAZONE (0.7 LBS/GAL) + S-MOC (6.3 LBS/GAL)</p> <p>WEED POPULATION IN THIS TEST WAS VERY LIGHT.</p> <p><u>SUMMARY:</u></p> <p>1) PROWL + SPARTAN CHARGE WAS SLIGHTLY MORE INJURIOUS THAN DUAL MAGNUM + SPARTAN CHARGE.</p> <p>2) PALMER AMARANTH AND ANNUAL GRASS CONTROL WAS EXCELLENT WHEN A PRE HERBICIDE WAS USED. POST APPLICATIONS OF CADRE FOLLOWING A PRE DID NOT IMPROVE CONTROL.</p> <p>3) CADRE POST PROVIDED POOR CONTROL OF PALMER AMARANTH (<70%).</p>

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	_____	0.5-2"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: AGRASS	_____	0.5-1"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3	Stage: MOLVE	_____	0.5"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	_____	_____	_____	_____	_____
Operating Pressure:	36	38	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	AIXR	_____	_____	_____	_____	_____
Nozzle Size:	11002	11002	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	18	IN 20	IN	_____	_____	_____	_____
Nozzles/Row:	2	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	72	IN 60	IN	_____	_____	_____	_____
Boom Height, Unit:	20	IN 20	IN	_____	_____	_____	_____
Ground Speed, Unit:	3.5	MPH 3.5	MPH	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	WATER	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA 15	GPA	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	CO2	_____	_____	_____	_____	_____
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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WEED CONTROL IN CLEARFIELD SUNFLOWERS													
Trial ID: SN-01-17		Study Dir.:											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- HELAN PLANT - EMERGENC #/10 FT Apr-28-17	----- HELAN CROP - STUNTING PERCENT May-18-17	AMAPA ----- CONTROL PERCENT May-18-17	MOLVE ----- CONTROL PERCENT May-18-17	AGRASS ----- CONTROL PERCENT May-18-17	----- HELAN CROP - STUNTING PERCENT Jun-1-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	1	2	3	4	5	6
TABLE OF R MEANS													
Replicate 1						17.2	1.0	80.0	80.0	80.0	1.5		
Replicate 2						16.7	4.0	80.0	80.0	80.0	7.0		
Replicate 3						16.4	1.0	80.0	80.0	80.0	1.0		
TABLE OF A (PRE) MEANS													
1 NO PRE						17.7 a	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b		
2 PROWL H20	3.8 SC	32.0 oz/a	PRE	A		16.5 a	5.8 a	100.0 a	100.0 a	100.0 a	6.7 a		
2 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
3 ZIDUA	85 WG	1.5 oz/a	PRE	A		16.0 a	1.7 b	100.0 a	100.0 a	100.0 a	3.3 ab		
3 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
4 SPARTAN ELITE	7 EC	19.0 oz/a	PRE	A		16.8 a	0.8 b	100.0 a	100.0 a	100.0 a	3.3 ab		
5 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A		16.8 a	1.7 b	100.0 a	100.0 a	100.0 a	2.5 b		
5 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
LSD P=.10						1.93	1.83	.	.	.	3.36		
Standard Deviation						1.79	1.71	0.00	0.00	0.00	3.13		
CV						10.70	85.39	0.00	0.00	0.00	98.82		
TABLE OF B (POST) MEANS													
1 NO CADRE						16.9 a	2.0 a	80.0 a	80.0 a	80.0 a	2.7 a		
2 CADRE	2 AS	4.0 oz/a	POST B			16.7 a	2.0 a	80.0 a	80.0 a	80.0 a	3.7 a		
2 COC		1.0 % v/v	POST B										
LSD P=.10						2.55	3.37	.	.	.	2.92		
Standard Deviation						2.39	3.16	0.00	0.00	0.00	2.74		
CV						14.24	158.11	0.00	0.00	0.00	86.48		
TABLE OF A (PRE) B (POST) MEANS													
1 NO PRE						17.3 a	0.0 a	0.0 b	0.0 b	0.0 b	0.0 a		
1 NO CADRE													
2 PROWL H20	3.8 SC	32.0 oz/a	PRE	A		16.0 a	8.3 a	100.0 a	100.0 a	100.0 a	6.7 a		
2 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
1 NO CADRE													
3 ZIDUA	85 WG	1.5 oz/a	PRE	A		16.3 a	0.0 a	100.0 a	100.0 a	100.0 a	3.3 a		
3 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
1 NO CADRE													
4 SPARTAN ELITE	7 EC	19.0 oz/a	PRE	A		17.3 a	1.7 a	100.0 a	100.0 a	100.0 a	1.7 a		
1 NO CADRE													
5 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A		17.3 a	0.0 a	100.0 a	100.0 a	100.0 a	1.7 a		
5 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
1 NO CADRE													
1 NO PRE						18.0 a	0.0 a	0.0 b	0.0 b	0.0 b	0.0 a		
2 CADRE	2 AS	4.0 oz/a	POST B										
2 COC		1.0 % v/v	POST B										
2 PROWL H20	3.8 SC	32.0 oz/a	PRE	A		17.0 a	3.3 a	100.0 a	100.0 a	100.0 a	6.7 a		
2 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
2 CADRE	2 AS	4.0 oz/a	POST B										
2 COC		1.0 % v/v	POST B										
3 ZIDUA	85 WG	1.5 oz/a	PRE	A		15.7 a	3.3 a	100.0 a	100.0 a	100.0 a	3.3 a		
3 SPARTAN CHARGE	3.5 L	3.75 oz/a	PRE	A									
2 CADRE	2 AS	4.0 oz/a	POST B										
2 COC		1.0 % v/v	POST B										
4 SPARTAN ELITE	7 EC	19.0 oz/a	PRE	A		16.3 a	0.0 a	100.0 a	100.0 a	100.0 a	5.0 a		
2 CADRE	2 AS	4.0 oz/a	POST B										
2 COC		1.0 % v/v	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.

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Weed Code						-----	-----	AMAPA	MOLVE	AGRASS	-----	
Crop Code						HELAN	HELAN	-----	-----	-----	HELAN	
Part Rated						PLANT -	CROP -				CROP -	
Rating Data Type						EMERGENC	STUNTING	CONTROL	CONTROL	CONTROL	STUNTING	
Rating Unit						#/10 FT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						Apr-28-17	May-18-17	May-18-17	May-18-17	May-18-17	Jun-1-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	1	2	3	4	5	6
5	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	16.3 a	3.3 a	100.0 a	100.0 a	100.0 a	3.3 a
5	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A						
2	CADRE	2	AS	4.0 oz/a	POST	B						
2	COC			1.0 % v/v	POST	B						
LSD P=.10							3.88	8.14	.	.	.	6.61
Standard Deviation							2.56	5.36	0.00	0.00	0.00	4.35
CV							15.24	268.10	0.00	0.00	0.00	137.50

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Weed Code						AMAPA	AGRASS
Crop Code						----	----
Part Rated							
Rating Data Type						CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT
Rating Date						Jun-1-17	Jun-1-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	
							7 8
TABLE OF R MEANS							
Replicate 1						80.0	89.5
Replicate 2						90.0	87.5
Replicate 3						90.0	90.0
TABLE OF A (PRE) MEANS							
1 NO PRE						33.3 b	45.0 b
2	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	100.0 a
2	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
3	ZIDUA	85	WG	1.5 oz/a	PRE	A	100.0 a
3	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
4	SPARTAN ELITE	7	EC	19.0 oz/a	PRE	A	100.0 a
5	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	100.0 a
5	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
LSD P=.10						19.60	4.49
Standard Deviation						18.26	4.18
CV						21.07	4.70
TABLE OF B (POST) MEANS							
1 NO CADRE						80.0 a	80.0 b
2	CADRE	2	AS	4.0 oz/a	POST	B	93.3 a
2	COC			1.0 % v/v	POST	B	98.0 a
LSD P=.10						19.47	4.46
Standard Deviation						18.26	4.18
CV						21.07	4.70
TABLE OF A (PRE) B (POST) MEANS							
1 NO PRE						0.0 c	0.0 c
1 NO CADRE							
2	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	100.0 a
2	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
1 NO CADRE							
3	ZIDUA	85	WG	1.5 oz/a	PRE	A	100.0 a
3	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
1 NO CADRE							
4	SPARTAN ELITE	7	EC	19.0 oz/a	PRE	A	100.0 a
1 NO CADRE							
5	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	100.0 a
5	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
1 NO CADRE							
1 NO PRE						66.7 b	90.0 b
2	CADRE	2	AS	4.0 oz/a	POST	B	
2	COC			1.0 % v/v	POST	B	
2	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	100.0 a
2	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
2	CADRE	2	AS	4.0 oz/a	POST	B	
2	COC			1.0 % v/v	POST	B	
3	ZIDUA	85	WG	1.5 oz/a	PRE	A	100.0 a
3	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	100.0 a
2	CADRE	2	AS	4.0 oz/a	POST	B	
2	COC			1.0 % v/v	POST	B	
4	SPARTAN ELITE	7	EC	19.0 oz/a	PRE	A	100.0 a
2	CADRE	2	AS	4.0 oz/a	POST	B	
2	COC			1.0 % v/v	POST	B	

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Weed Code						AMAPA	AGRASS
Crop Code						-----	-----
Part Rated							
Rating Data Type						CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT
Rating Date						Jun-1-17	Jun-1-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code
						7	8
5	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	100.0 a
5	SPARTAN CHARGE	3.5	L	3.75 oz/a	PRE	A	
2	CADRE	2	AS	4.0 oz/a	POST	B	
2	COC			1.0 % v/v	POST	B	
LSD P=.10						27.72	6.35
Standard Deviation						18.26	4.18
CV						21.07	4.70

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COMPLETE FACTORIAL AOV For ----- HELAN PLANT EMERGENC #/10 FT Apr-28-17 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	107.366667				
R	2	3.266667	1.633333	0.250	0.7847	
A	4	8.866667	2.216667	0.689	0.6196	1.9
RA	8	25.733333	3.216667			
B	1	0.300000	0.300000	0.053	0.8399	2.5
RB	2	11.400000	5.700000			
AB	4	5.533333	1.383333	0.212	0.9247	3.9
RAB	8	52.266667	6.533333			

COMPLETE FACTORIAL AOV For ----- HELAN CROP STUNTING PERCENT May-18-17 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	530.000000				
R	2	60.000000	30.000000	1.043	0.3957	
A	4	121.666667	30.416667	10.429	0.0029	1.8
RA	8	23.333333	2.916667			
B	1	0.000000	0.000000	0.000	1.0000	3.4
RB	2	20.000000	10.000000			
AB	4	75.000000	18.750000	0.652	0.6415	8.1
RAB	8	230.000000	28.750000			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-18-17 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	48000.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	4	48000.000000	12000.000000	0.000	1.0000	.
RA	8	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	2	0.000000	0.000000			
AB	4	0.000000	0.000000	0.000	1.0000	.
RAB	8	0.000000	0.000000			

COMPLETE FACTORIAL AOV For MOLVE ----- CONTROL PERCENT May-18-17 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	48000.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	4	48000.000000	12000.000000	0.000	1.0000	.
RA	8	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	2	0.000000	0.000000			
AB	4	0.000000	0.000000	0.000	1.0000	.
RAB	8	0.000000	0.000000			

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-18-17 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	48000.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	4	48000.000000	12000.000000	0.000	1.0000	.
RA	8	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	2	0.000000	0.000000			
AB	4	0.000000	0.000000	0.000	1.0000	.
RAB	8	0.000000	0.000000			

COMPLETE FACTORIAL AOV For ----- HELAN CROP STUNTING PERCENT Jun-1-17 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	624.166667				
R	2	221.666667	110.833333	5.846	0.0272	
A	4	136.666667	34.166667	3.489	0.0624	3.4
RA	8	78.333333	9.791667			
B	1	7.500000	7.500000	1.000	0.4226	2.9
RB	2	15.000000	7.500000			
AB	4	13.333333	3.333333	0.176	0.9446	6.6
RAB	8	151.666667	18.958333			

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COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-1-17 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	34666.666667				
R	2	666.666667	333.333333	1.000	0.4096	
A	4	21333.333333	5333.333333	16.000	0.0007	19.6
RA	8	2666.666667	333.333333			
B	1	1333.333333	1333.333333	4.000	0.1835	19.5
RB	2	666.666667	333.333333			
AB	4	5333.333333	1333.333333	4.000	0.0453	27.7
RAB	8	2666.666667	333.333333			

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT Jun-1-17 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	27020.000000				
R	2	35.000000	17.500000	1.000	0.4096	
A	4	14520.000000	3630.000000	207.429	0.0001	4.5
RA	8	140.000000	17.500000			
B	1	2430.000000	2430.000000	138.857	0.0071	4.5
RB	2	35.000000	17.500000			
AB	4	9720.000000	2430.000000	138.857	0.0001	6.4
RAB	8	140.000000	17.500000			

Weed Code
 AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
 MOLVE = CARPETWEED / MOLLUGO VERTICILLATA L.

Crop Code
 HELAN = SUNFLOWER / HELIANTHUS ANNUUS L.

Part Rated
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

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 CONTROL IN CLEARFIELD SUNFLOWERS													
Trial ID: SN-01-17		Study Dir.:											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date													
	----- HELAN PLANT - EMERGENC #/10 FT Apr-28-17	----- HELAN CROP - STUNTING PERCENT May-18-17	AMAPA ----- CONTROL PERCENT May-18-17	MOLVE ----- CONTROL PERCENT May-18-17	AGRASS ----- CONTROL PERCENT May-18-17	----- HELAN CROP - STUNTING PERCENT Jun-1-17							
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Appl Code	Plot	1	2	3	4	5	6
1 NO PRE NO CADRE							101 208 304 Mean =	18.0 18.0 16.0 17.3	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
2 NO PRE CADRE COC		2 AS	4.0 oz/a	POST	B		102 207 303 Mean =	20.0 17.0 17.0 18.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
3 PROWL H20 SPARTAN CHARGE NO CADRE	3.8 SC	32.0 oz/a	PRE	A	A		103 204 305 Mean =	17.0 16.0 15.0 16.0	10.0 15.0 0.0 8.3	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	5.0 15.0 0.0 6.7
4 PROWL H20 SPARTAN CHARGE CADRE COC	3.8 SC	32.0 oz/a	PRE	A	A		104 209 301 Mean =	17.0 16.0 18.0 17.0	0.0 0.0 10.0 3.3	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	5.0 5.0 10.0 6.7
5 ZIDUA SPARTAN CHARGE NO CADRE	85 WG	1.5 oz/a	PRE	A	A		105 206 310 Mean =	18.0 11.0 20.0 16.3	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	5.0 5.0 0.0 3.3
6 ZIDUA SPARTAN CHARGE CADRE COC	85 WG	1.5 oz/a	PRE	A	A		106 210 309 Mean =	17.0 17.0 13.0 15.7	0.0 10.0 0.0 3.3	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	0.0 10.0 0.0 3.3
7 SPARTAN ELITE NO CADRE	7 EC	19.0 oz/a	PRE	A	A		107 201 307 Mean =	16.0 17.0 19.0 17.3	0.0 5.0 0.0 1.7	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	0.0 5.0 0.0 1.7
8 SPARTAN ELITE CADRE COC	7 EC	19.0 oz/a	PRE	A	A		108 203 306 Mean =	16.0 19.0 14.0 16.3	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	0.0 15.0 0.0 5.0
9 DUAL MAGNUM SPARTAN CHARGE NO CADRE	7.62 EC	16.0 oz/a	PRE	A	A		109 202 308 Mean =	18.0 18.0 16.0 17.3	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	0.0 5.0 0.0 1.7
10 DUAL MAGNUM SPARTAN CHARGE CADRE COC	7.62 EC	16.0 oz/a	PRE	A	A		110 205 302 Mean =	15.0 18.0 16.0 16.3	0.0 10.0 0.0 3.3	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	0.0 10.0 0.0 3.3

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jun-1-17	AGRASS ----- CONTROL PERCENT Jun-1-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	Appl Code Plot	7	8
1	NO PRE NO CADRE					101 208 304 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
2	NO PRE CADRE COC	2 AS		4.0 oz/a 1.0 % v/v	POST B POST B	102 207 303 Mean =	0.0 100.0 100.0 66.7	95.0 75.0 100.0 90.0
3	PROWL H20 SPARTAN CHARGE NO CADRE	3.8 SC 3.5 L		32.0 oz/a 3.75 oz/a	PRE A PRE A	103 204 305 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
4	PROWL H20 SPARTAN CHARGE CADRE COC	3.8 SC 3.5 L 2 AS		32.0 oz/a 3.75 oz/a 4.0 oz/a 1.0 % v/v	PRE A PRE A POST B POST B	104 209 301 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
5	ZIDUA SPARTAN CHARGE NO CADRE	85 WG 3.5 L		1.5 oz/a 3.75 oz/a	PRE A PRE A	105 206 310 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
6	ZIDUA SPARTAN CHARGE CADRE COC	85 WG 3.5 L 2 AS		1.5 oz/a 3.75 oz/a 4.0 oz/a 1.0 % v/v	PRE A PRE A POST B POST B	106 210 309 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
7	SPARTAN ELITE NO CADRE	7 EC		19.0 oz/a	PRE A	107 201 307 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
8	SPARTAN ELITE CADRE COC	7 EC 2 AS		19.0 oz/a 4.0 oz/a 1.0 % v/v	PRE A POST B POST B	108 203 306 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
9	DUAL MAGNUM SPARTAN CHARGE NO CADRE	7.62 EC 3.5 L		16.0 oz/a 3.75 oz/a	PRE A PRE A	109 202 308 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0
10	DUAL MAGNUM SPARTAN CHARGE CADRE COC	7.62 EC 3.5 L 2 AS		16.0 oz/a 3.75 oz/a 4.0 oz/a 1.0 % v/v	PRE A PRE A POST B POST B	110 205 302 Mean =	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0

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WEED CONTROL IN CLEARFIELD SUNFLOWERS

Trial ID: SN-01-17 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

MOLVE = CARPETWEED / MOLLUGO VERTICILLATA L.

Crop Code

HELAN = SUNFLOWER / HELIANTHUS ANNUUS L.

Part Rated

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