

University of Georgia

RESIDUAL WEED CONTROL IN SOYBEANS WITH SURVEIL	
Trial ID: SB-03-17	Study Dir.: JOHN RICHBURG
Location: PONDER FARM	Investigator: Eric P. Prostko

Reps: 4 Plots: 5 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.65176 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	NO PRE NO POST								101	209	312	405
2	NO PRE DURANGO DMA	5.07 SL		32.0 oz/a		POST	B	25.0 ml/mx	102	206	307	403
3	SURVEIL NO POST	48 DG		2.1 oz/a		PRE	A	1.573 g/mx	103	210	305	411
4	SURVEIL DURANGO DMA	48 DG 5.07 SL		2.1 oz/a 32.0 oz/a		PRE POST	A B	1.573 g/mx 25.0 ml/mx	104	208	304	409
5	SURVEIL NO POST	48 DG		2.8 oz/a		PRE	A	2.097 g/mx	105	207	308	412
6	SURVEIL DURANGO DMA	48 DG 5.07 SL		2.8 oz/a 32.0 oz/a		PRE POST	A B	2.097 g/mx 25.0 ml/mx	106	202	310	402
7	SURVEIL NO POST	48 DG		3.5 oz/a		PRE	A	2.621 g/mx	107	201	302	410
8	SURVEIL DURANGO DMA	48 DG 5.07 SL		3.5 oz/a 32.0 oz/a		PRE POST	A B	2.621 g/mx 25.0 ml/mx	108	204	309	404
9	TRICOR NO POST	4 L		8.0 oz/a		PRE	A	6.249 ml/mx	109	205	306	407
10	TRICOR DURANGO DMA	4 L 5.07 SL		8.0 oz/a 32.0 oz/a		PRE POST	A B	6.249 ml/mx 25.0 ml/mx	110	203	311	401
11	VALOR SX NO POST	51 WG		2.5 oz/a		PRE	A	1.872 g/mx	111	212	303	406
12	VALOR SX DURANGO DMA	51 WG 5.07 SL		2.5 oz/a 32.0 oz/a		PRE POST	A B	1.872 g/mx 25.0 ml/mx	112	211	301	408

Sort Order: Treatment

Trial Comments

SURVEIL = FLUMIOXAZIN (36%) + CHLORANSULAM (12%)

HARVEST MOISTURE: 16.6%
 YIELDS ADJUSTED TO 13.0%.

SUMMARY:

- 1) NO SIGNIFICANT SOYBEAN INJURY WAS OBSERVED FROM ANY PRE TREATMENT.
- 2) PALMER AMARANTH CONTROL WAS > 95% WITH ALL TREATMENTS EXCEPT DURANGO-DMA (POST) - (GLYPHOSATE-RESISTANCE). NO DIFFERENCES IN PALMER AMARANTH CONTROL WERE OBSERVED BETWEEN SURVEIL, TRICOR, OR VALOR APPLIED PRE.
- 3) GENERALLY, ANNUAL GRASS CONTROL WAS SIGNIFICANTLY IMPROVED WHEN PRE TREATMENTS WERE FOLLOWED BY DURANGO-DMA (POST).
- 4) WHEN SURVEIL @ 2.1 OZ/A OR TRICOR @ 8 OZ/A WAS FOLLOWED BY DURANGO, SOYBEAN YIELDS WERE SIGNIFICANTLY IMPROVED IN COMPARISON TO THESE PRE TREATMENTS WITHOUT POSTS. POST APPLICATIONS OF DURANGO DID NOT IMPROVE THE YIELDS OF ANY OTHER PRE TREATMENT.

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**RESIDUAL WEED CONTROL IN SOYBEANS
WITH SURVEIL**

Trial ID: SB-03-17 Study Dir.: JOHN RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JOHN RICHBURG **Title:** _____
Affiliation: _____ **Postal Code:** _____

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

Trial Status: _____ **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 T.PANICUM/CROW/GOOSE/CRAB

Crop 1: GLYMA SOYBEAN **Variety:** NKS 64-T4X **Planting Date:** May-9-17
Planting Method: MONOSEM **Rate:** 130680 SEED/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 30 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 5 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR
Trial Initiation Comments: _____

Previous: Crops **Pesticides** **Year**
 1. PEANUT 2016 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.65 **% Sand:** 92 **% Silt:** 4 **% Clay:** 4
pH: 6.0 **CEC:** 4.1 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-10-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. May-11-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-15-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-17-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. May-19-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6. May-21-17	_____	0.11	IN	RAINFALL	_____	_____
7. May-22-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
8. May-31-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
9. Jun-1-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-10-17	Jun-1-17	_____	_____	_____	_____
Time of Day:	8:30 AM	7:00 AM	_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST	_____	_____	_____	_____
Application Timing:	PRE	POST	_____	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE	_____	_____	_____	_____
Air Temp., Unit:	69 F	71 F	_____	_____	_____	_____
% Relative Humidity:	70	100	_____	_____	_____	_____
Wind Velocity, Unit:	3 MPH	0 MPH	_____	_____	_____	_____
Dew Presence (Y/N):	N	Y	_____	_____	_____	_____
Water Hardness:	---	---	_____	_____	_____	_____
Soil Temp., Unit:	70 F	75 F	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM	_____	_____	_____	_____
% Cloud Cover:	0	100	_____	_____	_____	_____

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CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Crop 1	Stage: GLYMA	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	V3-V4	_____	_____	_____	_____
	Height, Unit:	_____	6 IN	_____	_____	_____	_____

WEED STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	_____	2-10"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	5 FT2	_____	_____	_____	_____
Weed 2	Stage: AGRASS	_____	4-6" TALL	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	4 FT2	_____	_____	_____	_____

APPLICATION EQUIPMENT							
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	_____	_____	_____	_____	_____
Operating Pressure:	36	38	_____	_____	_____	_____	_____
Nozzle Type:	TTI	AIXR	_____	_____	_____	_____	_____
Nozzle Size:	02	11002	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN 20	IN	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	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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RESIDUAL WEED CONTROL IN SOYBEANS WITH SURVEIL														
Trial ID: SB-03-17		Study Dir.: JOHN RICHBURG												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	----- GLYMA CROP - STUNT PERCENT	AMAPA ----- CONTROL PERCENT	----- GLYMA INJURY PERCENT	AMAPA ----- CONTROL PERCENT	----- GLYMA INJURY PERCENT	AMAPA ----- CONTROL PERCENT	A.GRASS ----- CONTROL PERCENT			
Rating Date		PRM Data Type		# Subsamples, Dec.		May-18-17	May-18-17	May-30-17	May-30-17	Jun-8-17	Jun-8-17	Jun-8-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6	7
1	NO PRE NO POST							0.0 a	0.0 b	0.0 a	0.0 b	0.0 a	0.0 c	0.0 e
2	NO PRE DURANGO DMA	5.07	SL	32.0 oz/a		POST	B	0.0 a	0.0 b	0.0 a	0.0 b	0.0 a	7.5 b	90.0 ab
3	SURVEIL NO POST	48	DG	2.1 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	48.8 d
4	SURVEIL DURANGO DMA	48	DG	2.1 oz/a		PRE	A	1.3 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	100.0 a
5	SURVEIL NO POST	48	DG	2.8 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	87.5 ab
6	SURVEIL DURANGO DMA	48	DG	2.8 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	98.8 ab
7	SURVEIL NO POST	48	DG	3.5 oz/a		PRE	A	0.0 a	100.0 a	2.5 a	100.0 a	0.0 a	100.0 a	82.5 bc
8	SURVEIL DURANGO DMA	48	DG	3.5 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	97.5 ab
9	TRICOR NO POST	4	L	8.0 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	67.5 c
10	TRICOR DURANGO DMA	4	L	8.0 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	100.0 a
11	VALOR SX NO POST	51	WG	2.5 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	95.0 ab
12	VALOR SX DURANGO DMA	51	WG	2.5 oz/a		PRE	A	0.0 a	100.0 a	0.0 a	100.0 a	0.0 a	100.0 a	100.0 a
LSD P=.10								0.86	.	1.73	.	.	5.18	17.34
Standard Deviation								0.72	0.00	1.44	0.00	0.00	4.33	14.49
CV								692.82	0.0	692.82	0.0	0.0	5.16	17.97
Grand Mean								0.10	83.33	0.21	83.33	0.00	83.96	80.63
Bartlett's X2								0.0	0.0	0.0	0.0	0.0	0.0	25.52
P(Bartlett's X2)								0.001*
Replicate F								1.000	0.000	1.000	0.000	0.000	1.000	0.890
Replicate Prob(F)								0.4051	1.0000	0.4051	1.0000	1.0000	0.4051	0.4565
Treatment F								1.000	0.000	1.000	0.000	0.000	299.990	16.931
Treatment Prob(F)								0.4671	1.0000	0.4671	1.0000	1.0000	0.0001	0.0001

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.
 Missing data estimates are included in columns: Average=12,13
 Could not calculate LSD (% mean diff) for columns 2,4,5 because error mean square = 0.

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Weed Code						AMAPA	A. GRASS	AMAPA	A. GRASS	----	----		
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	GLYMA	GLYMA		
Part Rated						PERCENT	PERCENT	PERCENT	PERCENT	PLOT -	PLOT -		
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	YIELD	YIELD		
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	LBS/PLOT	BU/A		
Rating Date						Jun-28-17	Jun-28-17	Jul-24-17	Jul-24-17	Oct-12-17	Oct-12-17		
PRM Data Type											TY1		
# Subsamples, Dec.										- 1	- 1		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code						
								8	9	10	11	12	13
1	NO PRE NO POST							0.0 c	0.0 d	0.0 c	0.0 f	0.0 e	0.0 e
2	NO PRE DURANGO DMA	5.07	SL	32.0 oz/a	POST	B		35.0 b	92.5 ab	15.0 b	98.8 ab	0.0 e	0.0 e
3	SURVEIL NO POST	48	DG	2.1 oz/a	PRE	A		100.0 a	66.3 c	100.0 a	65.0 de	5.7 c	31.5 c
4	SURVEIL DURANGO DMA	48	DG	2.1 oz/a	PRE	A		98.8 a	97.5 a	97.5 a	100.0 a	7.1 a	39.5 a
		5.07	SL	32.0 oz/a	POST	B							
5	SURVEIL NO POST	48	DG	2.8 oz/a	PRE	A		100.0 a	80.0 bc	98.8 a	83.8 abc	6.5 abc	36.2 abc
6	SURVEIL DURANGO DMA	48	DG	2.8 oz/a	PRE	A		100.0 a	96.3 a	98.8 a	100.0 a	7.2 a	39.8 a
		5.07	SL	32.0 oz/a	POST	B							
7	SURVEIL NO POST	48	DG	3.5 oz/a	PRE	A		100.0 a	80.0 bc	98.8 a	73.8 cd	5.9 bc	33.0 bc
8	SURVEIL DURANGO DMA	48	DG	3.5 oz/a	PRE	A		100.0 a	97.5 a	100.0 a	100.0 a	7.0 ab	39.1 ab
		5.07	SL	32.0 oz/a	POST	B							
9	TRICOR NO POST	4	L	8.0 oz/a	PRE	A		97.5 a	66.3 c	96.3 a	53.8 e	4.2 d	23.2 d
10	TRICOR DURANGO DMA	4	L	8.0 oz/a	PRE	A		96.3 a	95.0 a	96.3 a	100.0 a	6.4 abc	35.4 abc
		5.07	SL	32.0 oz/a	POST	B							
11	VALOR SX NO POST	51	WG	2.5 oz/a	PRE	A		100.0 a	85.0 ab	100.0 a	82.5 bc	6.4 abc	35.6 abc
12	VALOR SX DURANGO DMA	51	WG	2.5 oz/a	PRE	A		100.0 a	98.8 a	98.8 a	100.0 a	5.9 bc	32.8 bc
		5.07	SL	32.0 oz/a	POST	B							
LSD P=.10						4.02	14.34	6.43	16.33	1.17	6.51		
Standard Deviation						3.36	11.98	5.38	13.64	0.98	5.44		
CV						3.93	15.06	6.45	17.1	18.84	18.84		
Grand Mean						85.63	79.58	83.33	79.79	5.18	28.85		
Bartlett's X2						7.131	36.065	29.051	15.574	12.287	12.287		
P(Bartlett's X2)						0.068	0.001*	0.001*	0.008*	0.198	0.198		
Replicate F						1.168	1.306	1.537	1.712	1.597	1.597		
Replicate Prob(F)						0.3369	0.2889	0.2232	0.1836	0.2094	0.2094		
Treatment F						378.654	21.303	175.218	18.994	27.289	27.289		
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		

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.
 Missing data estimates are included in columns: Average=12,13
 Could not calculate LSD (% mean diff) for columns 2,4,5 because error mean square = 0.

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RESIDUAL WEED CONTROL IN SOYBEANS
WITH SURVEIL
Trial ID: SB-03-17 Study Dir.: JOHN RICHBURG
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
PRM Data Type
TY1 = 5.567669*[12]

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RESIDUAL WEED CONTROL IN SOYBEANS WITH SURVEIL													
Trial ID: SB-03-17		Study Dir.: JOHN RICHBURG											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	GLYMA CROP - STUNT PERCENT May-18-17	AMAPA CONTROL PERCENT May-18-17	GLYMA INJURY PERCENT May-30-17	AMAPA CONTROL PERCENT May-30-17	GLYMA INJURY PERCENT Jun-8-17	AMAPA CONTROL PERCENT Jun-8-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code Plot	1	2	3	4	5	6
1	NO PRE NO POST						101	0.0	0.0	0.0	0.0	0.0	0.0
							209	0.0	0.0	0.0	0.0	0.0	0.0
							312	0.0	0.0	0.0	0.0	0.0	0.0
							405	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	NO PRE DURANGO DMA	5.07 SL		32.0 oz/a	POST	B	102	0.0	0.0	0.0	0.0	0.0	30.0
							206	0.0	0.0	0.0	0.0	0.0	0.0
							307	0.0	0.0	0.0	0.0	0.0	0.0
							403	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
3	SURVEIL NO POST	48 DG		2.1 oz/a	PRE	A	103	0.0	100.0	0.0	100.0	0.0	100.0
							210	0.0	100.0	0.0	100.0	0.0	100.0
							305	0.0	100.0	0.0	100.0	0.0	100.0
							411	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
4	SURVEIL DURANGO DMA	48 DG 5.07 SL		2.1 oz/a 32.0 oz/a	PRE POST	A B	104	0.0	100.0	0.0	100.0	0.0	100.0
							208	0.0	100.0	0.0	100.0	0.0	100.0
							304	5.0	100.0	0.0	100.0	0.0	100.0
							409	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	1.3	100.0	0.0	100.0	0.0	100.0
5	SURVEIL NO POST	48 DG		2.8 oz/a	PRE	A	105	0.0	100.0	0.0	100.0	0.0	100.0
							207	0.0	100.0	0.0	100.0	0.0	100.0
							308	0.0	100.0	0.0	100.0	0.0	100.0
							412	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
6	SURVEIL DURANGO DMA	48 DG 5.07 SL		2.8 oz/a 32.0 oz/a	PRE POST	A B	106	0.0	100.0	0.0	100.0	0.0	100.0
							202	0.0	100.0	0.0	100.0	0.0	100.0
							310	0.0	100.0	0.0	100.0	0.0	100.0
							402	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
7	SURVEIL NO POST	48 DG		3.5 oz/a	PRE	A	107	0.0	100.0	0.0	100.0	0.0	100.0
							201	0.0	100.0	10.0	100.0	0.0	100.0
							302	0.0	100.0	0.0	100.0	0.0	100.0
							410	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	2.5	100.0	0.0	100.0
8	SURVEIL DURANGO DMA	48 DG 5.07 SL		3.5 oz/a 32.0 oz/a	PRE POST	A B	108	0.0	100.0	0.0	100.0	0.0	100.0
							204	0.0	100.0	0.0	100.0	0.0	100.0
							309	0.0	100.0	0.0	100.0	0.0	100.0
							404	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
9	TRICOR NO POST	4 L		8.0 oz/a	PRE	A	109	0.0	100.0	0.0	100.0	0.0	100.0
							205	0.0	100.0	0.0	100.0	0.0	100.0
							306	0.0	100.0	0.0	100.0	0.0	100.0
							407	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
10	TRICOR DURANGO DMA	4 L 5.07 SL		8.0 oz/a 32.0 oz/a	PRE POST	A B	110	0.0	100.0	0.0	100.0	0.0	100.0
							203	0.0	100.0	0.0	100.0	0.0	100.0
							311	0.0	100.0	0.0	100.0	0.0	100.0
							401	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
11	VALOR SX NO POST	51 WG		2.5 oz/a	PRE	A	111	0.0	100.0	0.0	100.0	0.0	100.0
							212	0.0	100.0	0.0	100.0	0.0	100.0
							303	0.0	100.0	0.0	100.0	0.0	100.0
							406	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0
12	VALOR SX DURANGO DMA	51 WG 5.07 SL		2.5 oz/a 32.0 oz/a	PRE POST	A B	112	0.0	100.0	0.0	100.0	0.0	100.0
							211	0.0	100.0	0.0	100.0	0.0	100.0
							301	0.0	100.0	0.0	100.0	0.0	100.0
							408	0.0	100.0	0.0	100.0	0.0	100.0
							Mean =	0.0	100.0	0.0	100.0	0.0	100.0

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Weed Code				A. GRASS	AMAPA	A. GRASS	AMAPA	A. GRASS	----		
Crop Code				----	----	----	----	----	GLYMA		
Part Rated									PLOT -		
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	YIELD		
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	LBS/PLOT		
Rating Date				Jun-8-17	Jun-28-17	Jun-28-17	Jul-24-17	Jul-24-17	Oct-12-17		
PRM Data Type											
# Subsamples, Dec.									- 1		
Trt	Treatment	Form Form	Rate Grow	Appl							
No.	Name	Conc Type	Rate Unit	Stg	Code Plot	7	8	9	10	11	12
1	NO PRE NO POST				101	0.0	0.0	0.0	0.0	0.0	0.0
					209	0.0	0.0	0.0	0.0	0.0	0.0
					312	0.0	0.0	0.0	0.0	0.0	0.0
					405	0.0	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	NO PRE DURANGO DMA	5.07 SL	32.0 oz/a	POST B	102	75.0	30.0	90.0	30.0	95.0	0.0
					206	95.0	50.0	95.0	30.0	100.0	0.0
					307	95.0	30.0	95.0	0.0	100.0	0.0
					403	95.0	30.0	90.0	0.0	100.0	0.0
					Mean =	90.0	35.0	92.5	15.0	98.8	0.0
3	SURVEIL NO POST	48 DG	2.1 oz/a	PRE A	103	95.0	100.0	90.0	100.0	95.0	6.7
					210	50.0	100.0	60.0	100.0	60.0	5.8
					305	50.0	100.0	75.0	100.0	65.0	5.2
					411	0.0	100.0	40.0	100.0	40.0	4.9
					Mean =	48.8	100.0	66.3	100.0	65.0	5.7
4	SURVEIL DURANGO DMA	48 DG 5.07 SL	2.1 oz/a 32.0 oz/a	PRE A POST B	104	100.0	100.0	95.0	100.0	100.0	7.6
					208	100.0	95.0	100.0	95.0	100.0	7.3
					304	100.0	100.0	100.0	95.0	100.0	6.8
					409	100.0	100.0	95.0	100.0	100.0	6.7
					Mean =	100.0	98.8	97.5	97.5	100.0	7.1
5	SURVEIL NO POST	48 DG	2.8 oz/a	PRE A	105	100.0	100.0	95.0	100.0	95.0	6.8
					207	75.0	100.0	60.0	95.0	65.0	5.8
					308	85.0	100.0	85.0	100.0	95.0	6.9
					412	90.0	100.0	80.0	100.0	80.0	.
					Mean =	87.5	100.0	80.0	98.8	83.8	6.5
6	SURVEIL DURANGO DMA	48 DG 5.07 SL	2.8 oz/a 32.0 oz/a	PRE A POST B	106	100.0	100.0	95.0	100.0	100.0	5.8
					202	100.0	100.0	100.0	100.0	100.0	8.2
					310	95.0	100.0	95.0	100.0	100.0	8.1
					402	100.0	100.0	95.0	95.0	100.0	6.5
					Mean =	98.8	100.0	96.3	98.8	100.0	7.2
7	SURVEIL NO POST	48 DG	3.5 oz/a	PRE A	107	100.0	100.0	100.0	95.0	95.0	6.2
					201	65.0	100.0	75.0	100.0	65.0	5.6
					302	75.0	100.0	85.0	100.0	75.0	5.8
					410	90.0	100.0	60.0	100.0	60.0	6.1
					Mean =	82.5	100.0	80.0	98.8	73.8	5.9
8	SURVEIL DURANGO DMA	48 DG 5.07 SL	3.5 oz/a 32.0 oz/a	PRE A POST B	108	100.0	100.0	100.0	100.0	100.0	7.5
					204	100.0	100.0	100.0	100.0	100.0	6.3
					309	100.0	100.0	95.0	100.0	100.0	8.2
					404	90.0	100.0	95.0	100.0	100.0	6.1
					Mean =	97.5	100.0	97.5	100.0	100.0	7.0
9	TRICOR NO POST	4 L	8.0 oz/a	PRE A	109	75.0	95.0	65.0	95.0	65.0	6.4
					205	50.0	100.0	40.0	100.0	20.0	3.7
					306	50.0	100.0	60.0	95.0	30.0	3.2
					407	95.0	95.0	100.0	95.0	100.0	3.4
					Mean =	67.5	97.5	66.3	96.3	53.8	4.2
10	TRICOR DURANGO DMA	4 L 5.07 SL	8.0 oz/a 32.0 oz/a	PRE A POST B	110	100.0	90.0	95.0	100.0	100.0	7.1
					203	100.0	100.0	95.0	100.0	100.0	8.5
					311	100.0	95.0	95.0	90.0	100.0	5.4
					401	100.0	100.0	95.0	95.0	100.0	4.4
					Mean =	100.0	96.3	95.0	96.3	100.0	6.4
11	VALOR SX NO POST	51 WG	2.5 oz/a	PRE A	111	90.0	100.0	75.0	100.0	85.0	6.7
					212	90.0	100.0	75.0	100.0	70.0	4.5
					303	100.0	100.0	100.0	100.0	85.0	7.5
					406	100.0	100.0	90.0	100.0	90.0	6.9
					Mean =	95.0	100.0	85.0	100.0	82.5	6.4
12	VALOR SX DURANGO DMA	51 WG 5.07 SL	2.5 oz/a 32.0 oz/a	PRE A POST B	112	100.0	100.0	100.0	100.0	100.0	7.0
					211	100.0	100.0	95.0	100.0	100.0	6.0
					301	100.0	100.0	100.0	100.0	100.0	4.7
					408	100.0	100.0	100.0	95.0	100.0	5.9
					Mean =	100.0	100.0	98.8	98.8	100.0	5.9

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	Yield
Weed Code ----- Crop Code GLYMA Part Rated PLOT - Rating Data Type YIELD Rating Unit BU/A Rating Date Oct-12-17 PRM Data Type TY1 # Subsamples, Dec. - 1									
1	NO PRE NO POST							101 209 312 405 Mean =	0.0 0.0 0.0 0.0 0.0
2	NO PRE DURANGO DMA	5.07	SL	32.0 oz/a		POST B		102 206 307 403 Mean =	0.0 0.0 0.0 0.0 0.0
3	SURVEIL NO POST	48	DG	2.1 oz/a	PRE	A		103 210 305 411 Mean =	37.3 32.3 29.0 27.3 31.5
4	SURVEIL DURANGO DMA	48 5.07	DG SL	2.1 oz/a 32.0 oz/a	PRE	A POST B		104 208 304 409 Mean =	42.3 40.6 37.9 37.3 39.5
5	SURVEIL NO POST	48	DG	2.8 oz/a	PRE	A		105 207 308 412 Mean =	37.9 32.3 38.4 .0 36.2
6	SURVEIL DURANGO DMA	48 5.07	DG SL	2.8 oz/a 32.0 oz/a	PRE	A POST B		106 202 310 402 Mean =	32.3 45.7 45.1 36.2 39.8
7	SURVEIL NO POST	48	DG	3.5 oz/a	PRE	A		107 201 302 410 Mean =	34.5 31.2 32.3 34.0 33.0
8	SURVEIL DURANGO DMA	48 5.07	DG SL	3.5 oz/a 32.0 oz/a	PRE	A POST B		108 204 309 404 Mean =	41.8 35.1 45.7 34.0 39.1
9	TRICOR NO POST	4	L	8.0 oz/a	PRE	A		109 205 306 407 Mean =	35.6 20.6 17.8 18.9 23.2
10	TRICOR DURANGO DMA	4 5.07	L SL	8.0 oz/a 32.0 oz/a	PRE	A POST B		110 203 311 401 Mean =	39.5 47.3 30.1 24.5 35.4
11	VALOR SX NO POST	51	WG	2.5 oz/a	PRE	A		111 212 303 406 Mean =	37.3 25.1 41.8 38.4 35.6
12	VALOR SX DURANGO DMA	51 5.07	WG SL	2.5 oz/a 32.0 oz/a	PRE	A POST B		112 211 301 408 Mean =	39.0 33.4 26.2 32.8 32.8

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RESIDUAL WEED CONTROL IN SOYBEANS
WITH SURVEIL

Trial ID: SB-03-17 Study Dir.: JOHN RICHBURG
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

PRM Data Type

TY1 = 5.567669*[12]