

# University of Georgia

## WEED CONTROL IN LL SOYBEANS

Trial ID: SB-05B-18      Study Dir.: JOHN RICHBURG  
 Location: PONDER FARM      Investigator: Eric P. Prostko

Reps: 4      Plots: 6 by 25 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	NTC								101	208	310	409
2	TRIVENCE	61.3	WG	8.0	oz/a	PRE	A	5.991 g/mx	102	206	302	408
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	22.65 mL/mx				
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	12.5 mL/mx				
3	SURVEIL	48	WG	2.8	oz/a	PRE	A	2.097 g/mx	103	204	309	407
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	22.65 mL/mx				
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	12.5 mL/mx				
4	ENVIVE	41.3	WG	2.5	oz/a	PRE	A	1.872 g/mx	104	205	312	411
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	22.65 mL/mx				
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	12.5 mL/mx				
5	SURVEIL	48	WG	2.8	oz/a	PRE	A	2.097 g/mx	105	203	307	403
	TRICOR	4	F	8.0	oz/a	PRE	A	6.249 mL/mx				
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	22.65 mL/mx				
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	12.5 mL/mx				
6	TRICOR	4	F	8.0	oz/a	PRE	A	6.249 mL/mx	106	210	306	405
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	22.65 mL/mx				
	WARRANT	3	ME	48.0	oz/a	POST	B	37.5 mL/mx				
7	VALOR SX	51	WG	2.0	oz/a	PRE	A	1.498 g/mx	107	201	304	402
8	FIERCE	76	WG	3.0	oz/a	PRE	A	2.247 g/mx	108	207	305	410

Sort Order: Treatment

### Trial Comments

FIERCE = FLUMIOXAZIN (33.5%) + PYROXASULFONE (42.5%)  
 ENVIVE = CHLORIMURON (9.2%) + FLUMIOXAZIN (29.2%) + THIFENSULFURON (2.9%)  
 TRIVENCE = CHLORIMURON (3.9%) + FLUMIOXAZIN (12.8%) + METRIBUZIN (44.6%)  
 SURVEIL = FLUMIOXAZIN (36%) + CHLORANSULAM (12%)

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

GRAIN MOISTURES ARE DIFFERENT DUE TO HARVESTING ON 2 SEPERATE DATES (OCTOBER 16 AND 19) BECAUSE OF COMBINE PROBLEMS.

MISSING YIELD DATA IN PLOTS 105, 304, AND 404 DUE TO COMBINE PROBLEMS.

YIELDS ARE ADJUSTED TO 13% MOISTURE.

#### **SUMMARY:**

1) ON JUNE 20 (12 DAP), SIGNIFICANT SOYBEAN STUNTING (10%+) WAS OBSERVED WITH THE FOLLOWING PRE TREATMENTS:

SURVEIL + TRICOR (11%)  
 VALOR SX (10%)  
 FIERCE (14%)

2) BY JUNE 29 (21 DAP), THERE WAS NO DIFFERENCE IN SOYBEAN INJURY BETWEEN PRE TREATMENTS AND THE NTC.

3) POST APPLICATIONS OF LIBERTY + EVERPREX CAUSED SLIGHT SOYBEAN INJURY IN THE FORM OF STUNTING AND LEAF BURN/NECROSIS.

4) GENERALLY, ALL TREATMENTS IN THIS TEST PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES (99%).

5) NO DIFFERENCES IN SOYBEAN YIELD WERE OBSERVED BETWEEN HERBICIDE TREATED PLOTS.

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## WEED CONTROL IN LL SOYBEANS

Trial ID: SB-05B-18      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 PLAMER AMARANTH      **2.** AGRASS CRAB/TPAN/GOOSE/CROW

**Crop 1:** GLYMA SOYBEAN      **Variety:** SH7418LL      **Planting Date:** Jun-8-18  
**Planting Method:** MONOSEM      **Rate:** 130680 SEED/A      **Depth:** 1.5 IN  
**Perennial Age:** \_\_\_\_\_      **Row Spacing:** 36 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:** RACOBL  
**Trial Initiation Comments:** 400 LBS/A 5-15-30 - PREPLANT

<b>Previous: Crops</b>	<b>Pesticides</b>	<b>Year</b>
1. SOYBEAN	2017	_____

### MAINTENANCE

**Field Prep./Maintenance:** \_\_\_\_\_

	Form	Form	Form	Rate				
<b>No.</b>	<b>Date</b>	<b>Treatment Name</b>	<b>Conc</b>	<b>Unit</b>	<b>Type</b>	<b>Rate</b>	<b>Unit</b>	
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:** \_\_\_\_\_

### MOISTURE CONDITIONS

<b>On: Date</b>	<b>Time</b>	<b>Amount</b>	<b>Unit</b>	<b>Type</b>	<b>Interval</b>	<b>Unit</b>
1. Jun-8-18	_____	0.4	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. Jun-11-18	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. Jun-14-18	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____

**Overall Moisture Conditions:** \_\_\_\_\_  
**Closest Weather Station:** \_\_\_\_\_      **Distance:** \_\_\_\_\_      **Unit:** \_\_\_\_\_

### APPLICATION DESCRIPTION

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>Application Date:</b>	Jun-8-18	Jun-29-18	_____	_____	_____	_____
<b>Time of Day:</b>	7:30 AM	8:30 AM	_____	_____	_____	_____
<b>Application Method:</b>	BROADCAST	BROADCAST	_____	_____	_____	_____
<b>Application Timing:</b>	PRE	POST	_____	_____	_____	_____
<b>Applic. Placement:</b>	SOIL	FOLIAGE	_____	_____	_____	_____
<b>Air Temp., Unit:</b>	70 F	73 F	_____	_____	_____	_____
<b>% Relative Humidity:</b>	100	100	_____	_____	_____	_____
<b>Wind Velocity, Unit:</b>	0 MPH	1 MPH	_____	_____	_____	_____
<b>Dew Presence (Y/N):</b>	N	Y	_____	_____	_____	_____
<b>Water Hardness:</b>	--	--	_____	_____	_____	_____
<b>Soil Temp., Unit:</b>	78 F	78 F	_____	_____	_____	_____
<b>Soil Moisture:</b>	OPTIMUM	WET	_____	_____	_____	_____
<b>% Cloud Cover:</b>	0	65	_____	_____	_____	_____

### CROP STAGE AT EACH APPLICATION

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>Crop 1 Stage:</b>	GLYMA	_____	_____	_____	_____	_____
<b>Stage Scale:</b>	_____	V3-V4	_____	_____	_____	_____
<b>Height, Unit:</b>	_____	9 IN	_____	_____	_____	_____

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	_____	NONE UP	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: AGRASS	_____	2-4"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	_____	_____	_____	_____	_____
Operating Pressure:	45	44	_____	_____	_____	_____	_____
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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Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	----- GLYMA PLANT - STUNING PERCENT Jun-20-18	AMAPA ----- CONTROL PERCENT Jun-20-18	AGRASS ----- CONTROL PERCENT Jun-20-18	----- GLYMA PLANT - STUNING PERCENT Jun-29-18	AMAPA ----- CONTROL PERCENT Jun-29-18	AGRASS ----- CONTROL PERCENT Jun-29-18	----- GLYMA PLANT - STUNING PERCENT Jul-9-18
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	1	2	3	4	5	6	7
1	NTC							0.0 c	0.0 b	0.0 b	0.0 b	0.0 b	0.0 c	0.0 c
2	TRIVENCE	61.3	WG	8.0 oz/a	PRE	A		6.3 abc	99.0 a	99.0 a	10.0 a	99.0 a	99.0 a	10.0 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B								
	EVERPREX	7.62	EC	16.0 oz/a	POST	B								
3	SURVEIL	48	WG	2.8 oz/a	PRE	A		2.5 bc	99.0 a	99.0 a	5.0 ab	99.0 a	98.0 a	10.0 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B								
	EVERPREX	7.62	EC	16.0 oz/a	POST	B								
4	ENVIVE	41.3	WG	2.5 oz/a	PRE	A		7.5 abc	99.0 a	99.0 a	5.0 ab	99.0 a	98.0 a	6.3 abc
	LIBERTY	2.34	SL	29.0 oz/a	POST	B								
	EVERPREX	7.62	EC	16.0 oz/a	POST	B								
5	SURVEIL	48	WG	2.8 oz/a	PRE	A		11.3 ab	99.0 a	99.0 a	10.0 a	99.0 a	99.0 a	8.8 ab
	TRICOR	4	F	8.0 oz/a	PRE	A								
	LIBERTY	2.34	SL	29.0 oz/a	POST	B								
	EVERPREX	7.62	EC	16.0 oz/a	POST	B								
6	TRICOR	4	F	8.0 oz/a	PRE	A		2.5 bc	99.0 a	99.0 a	2.5 ab	99.0 a	95.0 b	3.8 abc
	LIBERTY	2.34	SL	29.0 oz/a	POST	B								
	WARRANT	3	ME	48.0 oz/a	POST	B								
7	VALOR SX	51	WG	2.0 oz/a	PRE	A		10.0 ab	99.0 a	98.0 a	5.0 ab	99.0 a	98.0 a	2.5 bc
8	FIERCE	76	WG	3.0 oz/a	PRE	A		13.8 a	99.0 a	99.0 a	2.5 ab	99.0 a	99.0 a	6.3 abc
Tukey's HSD P=.10								9.33	.	1.50	8.37	.	2.56	7.48
Standard Deviation								4.39	0.00	0.71	3.93	0.00	1.21	3.51
CV								65.27	0.0	0.82	78.68	0.0	1.41	59.19
Grand Mean								6.72	86.63	86.50	5.00	86.63	85.75	5.94
Levene's F								1.135	0.00		1.886	0.00	0.714	1.959
Levene's Prob(F)								0.375	0.00*		0.117	0.00*	0.661	0.104
Replicate F								3.074	0.000	1.000	7.000	0.000	1.262	5.145
Replicate Prob(F)								0.0500	1.0000	0.4123	0.0019	1.0000	0.3128	0.0080
Treatment F								4.822	0.000	9773.715	3.231	0.000	3311.017	4.301
Treatment Prob(F)								0.0023	1.0000	0.0001	0.0174	1.0000	0.0001	0.0043

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)  
 Missing data estimates are included in columns: Average=14,15,16  
 Could not calculate Tukey's HSD (% mean diff) for columns 2,5,9,12 because error mean square = 0.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- GLYMA LEAF - BURN PERCENT Jul-9-18	AMAPA ----- CONTROL PERCENT Jul-9-18	AGRASS ----- CONTROL PERCENT Jul-9-18	----- GLYMA PLANT - STUNING PERCENT Jul-30-18	AMAPA ----- CONTROL PERCENT Jul-30-18	AGRASS ----- CONTROL PERCENT Jul-30-18	----- GLYMA PLOT C YIELD LBS/PLOT Oct-19-18
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	8	9	10	11	12	13	14
1	NTC						0.0 b	0.0 b	0.0 b	0.0 a	0.0 b	0.0 c	0.00 b
2	TRIVENCE	61.3 WG		8.0 oz/a	PRE	A	10.0 a	99.0 a	99.0 a	5.0 a	99.0 a	98.0 a	5.08 a
	LIBERTY	2.34 SL		29.0 oz/a	POST	B							
	EVERPREX	7.62 EC		16.0 oz/a	POST	B							
3	SURVEIL	48 WG		2.8 oz/a	PRE	A	10.0 a	99.0 a	99.0 a	5.0 a	99.0 a	99.0 a	5.38 a
	LIBERTY	2.34 SL		29.0 oz/a	POST	B							
	EVERPREX	7.62 EC		16.0 oz/a	POST	B							
4	ENVIVE	41.3 WG		2.5 oz/a	PRE	A	11.3 a	99.0 a	99.0 a	2.5 a	99.0 a	99.0 a	5.83 a
	LIBERTY	2.34 SL		29.0 oz/a	POST	B							
	EVERPREX	7.62 EC		16.0 oz/a	POST	B							
5	SURVEIL	48 WG		2.8 oz/a	PRE	A	10.0 a	99.0 a	99.0 a	6.3 a	99.0 a	99.0 a	4.77 a
	TRICOR	4 F		8.0 oz/a	PRE	A							
	LIBERTY	2.34 SL		29.0 oz/a	POST	B							
	EVERPREX	7.62 EC		16.0 oz/a	POST	B							
6	TRICOR	4 F		8.0 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	7.5 a	99.0 a	99.0 a	4.40 a
	LIBERTY	2.34 SL		29.0 oz/a	POST	B							
	WARRANT	3 ME		48.0 oz/a	POST	B							
7	VALOR SX	51 WG		2.0 oz/a	PRE	A	0.0 b	99.0 a	97.0 a	0.0 a	99.0 a	91.0 b	5.70 a
8	FIERCE	76 WG		3.0 oz/a	PRE	A	0.0 b	99.0 a	98.0 a	2.5 a	99.0 a	99.0 a	4.85 a
Tukey's HSD P=.10							1.88	.	2.39	9.33	.	4.82	1.821
Standard Deviation							0.88	0.00	1.12	4.39	0.00	2.27	0.849
CV							17.14	0.0	1.3	122.03	0.0	2.65	18.87
Grand Mean							5.16	86.63	86.25	3.59	86.63	85.50	4.499
Levene's F								0.00	4.429	1.484	0.00	2.13	2.05
Levene's Prob(F)								0.00*	0.003*	0.22	0.00*	0.079	0.094
Replicate F							1.000	0.000	0.396	1.557	0.000	0.406	0.334
Replicate Prob(F)							0.4123	1.0000	0.7571	0.2294	1.0000	0.7502	0.8008
Treatment F							156.429	0.000	3851.548	1.619	0.000	936.390	19.616
Treatment Prob(F)							0.0001	1.0000	0.0001	0.1847	1.0000	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)  
 Missing data estimates are included in columns: Average=14,15,16  
 Could not calculate Tukey's HSD (% mean diff) for columns 2,5,9,12 because error mean square = 0.

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Weed Code							-----	-----
Crop Code							GLYMA	GLYMA
Part Rated							PLOT C	PLOT C
Rating Data Type							MOISTURE	YIELD
Rating Unit							PERCENT	BU/A
Rating Date							Oct-19-18	Oct-19-18
PRM Data Type								TY1
# Subsamples, Dec.								- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	
								15
								16
1	NTC							0.00 b
2	TRIVENCE	61.3	WG	8.0 oz/a	PRE	A		12.65 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B		24.6 a
	EVERPREX	7.62	EC	16.0 oz/a	POST	B		
3	SURVEIL	48	WG	2.8 oz/a	PRE	A		12.65 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B		26.1 a
	EVERPREX	7.62	EC	16.0 oz/a	POST	B		
4	ENVIVE	41.3	WG	2.5 oz/a	PRE	A		13.38 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B		28.1 a
	EVERPREX	7.62	EC	16.0 oz/a	POST	B		
5	SURVEIL	48	WG	2.8 oz/a	PRE	A		13.13 a
	TRICOR	4	F	8.0 oz/a	PRE	A		23.1 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B		
	EVERPREX	7.62	EC	16.0 oz/a	POST	B		
6	TRICOR	4	F	8.0 oz/a	PRE	A		11.93 a
	LIBERTY	2.34	SL	29.0 oz/a	POST	B		21.5 a
	WARRANT	3	ME	48.0 oz/a	POST	B		
7	VALOR SX	51	WG	2.0 oz/a	PRE	A		13.13 a
8	FIERCE	76	WG	3.0 oz/a	PRE	A		11.93 a
								23.8 a
Tukey's HSD P=.10							3.327	8.30
Standard Deviation							1.551	3.87
CV							13.97	17.74
Grand Mean							11.099	21.82
Levene's F							0.629	1.881
Levene's Prob(F)							0.727	0.122
Replicate F							0.174	0.382
Replicate Prob(F)							0.9126	0.7670
Treatment F							33.930	22.062
Treatment Prob(F)							0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)

Missing data estimates are included in columns: Average=14,15,16

Could not calculate Tukey's HSD (% mean diff) for columns 2,5,9,12 because error mean square = 0.

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Location: PONDER FARM      Investigator: Eric P. Prostko

Weed Code

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

Part Rated

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

LEAF = LEAF / FOLIAGE

C = Crop is Part Rated

PRM Data Type

TY1 =  $4.84 * [14] * (100 - @MVAVGREP([15])) / 87$

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Location: PONDER FARM		Investigator: Eric P. Probstko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	----- GLYMA PLANT - STUNING PERCENT Jun-20-18	AMAPA ----- CONTROL PERCENT Jun-20-18	AGRASS ----- CONTROL PERCENT Jun-20-18	----- GLYMA PLANT - STUNING PERCENT Jun-29-18	AMAPA ----- CONTROL PERCENT Jun-29-18	AGRASS ----- CONTROL PERCENT Jun-29-18	----- GLYMA PLANT - STUNING PERCENT Jul-9-18
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code Plot	1	2	3	4	5	6	7
1	NTC						101	0.0	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	0.0
							310	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							409	0.0	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	0.0
2	TRIVENCE	61.3 WG		8.0 oz/a	PRE	A	102	10.0	99.0	99.0	10.0	99.0	99.0	5.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	206	0.0	99.0	99.0	10.0	99.0	99.0	10.0
	EVERPREX	7.62 EC		16.0 oz/a	POST	B	302	15.0	99.0	99.0	10.0	99.0	99.0	15.0
							408	0.0	99.0	99.0	10.0	99.0	99.0	10.0
							Mean =	6.3	99.0	99.0	10.0	99.0	99.0	10.0
3	SURVEIL	48 WG		2.8 oz/a	PRE	A	103	0.0	99.0	99.0	0.0	99.0	99.0	5.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	204	0.0	99.0	99.0	10.0	99.0	99.0	10.0
	EVERPREX	7.62 EC		16.0 oz/a	POST	B	309	0.0	99.0	99.0	0.0	99.0	99.0	10.0
							407	10.0	99.0	99.0	10.0	99.0	95.0	15.0
							Mean =	2.5	99.0	99.0	5.0	99.0	98.0	10.0
4	ENVIVE	41.3 WG		2.5 oz/a	PRE	A	104	10.0	99.0	99.0	0.0	99.0	95.0	0.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	205	0.0	99.0	99.0	0.0	99.0	99.0	5.0
	EVERPREX	7.62 EC		16.0 oz/a	POST	B	312	10.0	99.0	99.0	10.0	99.0	99.0	15.0
							411	10.0	99.0	99.0	10.0	99.0	99.0	5.0
							Mean =	7.5	99.0	99.0	5.0	99.0	98.0	6.3
5	SURVEIL	48 WG		2.8 oz/a	PRE	A	105	15.0	99.0	99.0	0.0	99.0	99.0	0.0
	TRICOR	4 F		8.0 oz/a	PRE	A	203	10.0	99.0	99.0	10.0	99.0	99.0	15.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	307	10.0	99.0	99.0	10.0	99.0	99.0	5.0
	EVERPREX	7.62 EC		16.0 oz/a	POST	B	403	10.0	99.0	99.0	20.0	99.0	99.0	15.0
							Mean =	11.3	99.0	99.0	10.0	99.0	99.0	8.8
6	TRICOR	4 F		8.0 oz/a	PRE	A	106	10.0	99.0	99.0	0.0	99.0	95.0	0.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	210	0.0	99.0	99.0	0.0	99.0	95.0	5.0
	WARRANT	3 ME		48.0 oz/a	POST	B	306	0.0	99.0	99.0	0.0	99.0	95.0	5.0
							405	0.0	99.0	99.0	10.0	99.0	95.0	5.0
							Mean =	2.5	99.0	99.0	2.5	99.0	95.0	3.8
7	VALOR SX	51 WG		2.0 oz/a	PRE	A	107	15.0	99.0	95.0	0.0	99.0	95.0	0.0
							201	0.0	99.0	99.0	0.0	99.0	99.0	0.0
							304	15.0	99.0	99.0	10.0	99.0	99.0	5.0
							402	10.0	99.0	99.0	10.0	99.0	99.0	5.0
							Mean =	10.0	99.0	98.0	5.0	99.0	98.0	2.5
8	FIERCE	76 WG		3.0 oz/a	PRE	A	108	15.0	99.0	99.0	0.0	99.0	99.0	5.0
							207	15.0	99.0	99.0	0.0	99.0	99.0	5.0
							305	15.0	99.0	99.0	0.0	99.0	99.0	10.0
							410	10.0	99.0	99.0	10.0	99.0	99.0	5.0
							Mean =	13.8	99.0	99.0	2.5	99.0	99.0	6.3



# University of Georgia

Weed Code						----	AMAPA	AGRASS	----	AMAPA	AGRASS	----
Crop Code						GLYMA	-----	-----	GLYMA	-----	-----	GLYMA
Part Rated						LEAF -			PLANT -			PLOT C
Rating Data Type						BURN	CONTROL	CONTROL	STUNING	CONTROL	CONTROL	YIELD
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	LBS/PLOT
Rating Date						Jul-9-18	Jul-9-18	Jul-9-18	Jul-30-18	Jul-30-18	Jul-30-18	Oct-19-18
PRM Data Type												
# Subsamples, Dec.												
Trt Treatment	Form Form	Rate Grow	Appl									
No. Name	Conc Type	Rate Unit	Stg	Code	Plot	8	9	10	11	12	13	14
1 NTC					101	0.0	0.0	0.0	0.0	0.0	0.0	0.00
					208	0.0	0.0	0.0	0.0	0.0	0.0	0.00
					310	0.0	0.0	0.0	0.0	0.0	0.0	0.00
					409	0.0	0.0	0.0	0.0	0.0	0.0	0.00
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.00
2 TRIVENCE	61.3 WG	8.0 oz/a	PRE	A	102	10.0	99.0	99.0	0.0	99.0	99.0	6.00
LIBERTY	2.34 SL	29.0 oz/a	POST	B	206	10.0	99.0	99.0	10.0	99.0	99.0	3.90
EVERPREX	7.62 EC	16.0 oz/a	POST	B	302	10.0	99.0	99.0	10.0	99.0	99.0	5.90
					408	10.0	99.0	99.0	0.0	99.0	95.0	4.50
					Mean =	10.0	99.0	99.0	5.0	99.0	98.0	5.08
3 SURVEIL	48 WG	2.8 oz/a	PRE	A	103	10.0	99.0	99.0	0.0	99.0	99.0	5.30
LIBERTY	2.34 SL	29.0 oz/a	POST	B	204	10.0	99.0	99.0	0.0	99.0	99.0	6.90
EVERPREX	7.62 EC	16.0 oz/a	POST	B	309	10.0	99.0	99.0	10.0	99.0	99.0	5.40
					407	10.0	99.0	99.0	10.0	99.0	99.0	3.90
					Mean =	10.0	99.0	99.0	5.0	99.0	99.0	5.38
4 ENVIVE	41.3 WG	2.5 oz/a	PRE	A	104	10.0	99.0	99.0	0.0	99.0	99.0	6.50
LIBERTY	2.34 SL	29.0 oz/a	POST	B	205	10.0	99.0	99.0	0.0	99.0	99.0	5.50
EVERPREX	7.62 EC	16.0 oz/a	POST	B	312	15.0	99.0	99.0	10.0	99.0	99.0	4.60
					411	10.0	99.0	99.0	0.0	99.0	99.0	6.70
					Mean =	11.3	99.0	99.0	2.5	99.0	99.0	5.83
5 SURVEIL	48 WG	2.8 oz/a	PRE	A	105	10.0	99.0	99.0	10.0	99.0	99.0	.
TRICOR	4 F	8.0 oz/a	PRE	A	203	10.0	99.0	99.0	10.0	99.0	99.0	4.50
LIBERTY	2.34 SL	29.0 oz/a	POST	B	307	10.0	99.0	99.0	0.0	99.0	99.0	5.10
EVERPREX	7.62 EC	16.0 oz/a	POST	B	403	10.0	99.0	99.0	5.0	99.0	99.0	4.70
					Mean =	10.0	99.0	99.0	6.3	99.0	99.0	4.77
6 TRICOR	4 F	8.0 oz/a	PRE	A	106	0.0	99.0	99.0	10.0	99.0	99.0	3.40
LIBERTY	2.34 SL	29.0 oz/a	POST	B	210	0.0	99.0	99.0	10.0	99.0	99.0	5.40
WARRANT	3 ME	48.0 oz/a	POST	B	306	0.0	99.0	99.0	10.0	99.0	99.0	4.60
					405	0.0	99.0	99.0	0.0	99.0	99.0	4.20
					Mean =	0.0	99.0	99.0	7.5	99.0	99.0	4.40
7 VALOR SX	51 WG	2.0 oz/a	PRE	A	107	0.0	99.0	95.0	0.0	99.0	85.0	5.10
					201	0.0	99.0	99.0	0.0	99.0	90.0	6.70
					304	0.0	99.0	95.0	0.0	99.0	90.0	.
					402	0.0	99.0	99.0	0.0	99.0	99.0	5.30
					Mean =	0.0	99.0	97.0	0.0	99.0	91.0	5.70
8 FIERCE	76 WG	3.0 oz/a	PRE	A	108	0.0	99.0	99.0	0.0	99.0	99.0	4.90
					207	0.0	99.0	95.0	0.0	99.0	99.0	4.80
					305	0.0	99.0	99.0	10.0	99.0	99.0	4.70
					410	0.0	99.0	99.0	0.0	99.0	99.0	5.00
					Mean =	0.0	99.0	98.0	2.5	99.0	99.0	4.85

# University of Georgia

Weed Code							-----	-----		
Crop Code							GLYMA	GLYMA		
Part Rated							PLOT C	PLOT C		
Rating Data Type							MOISTURE	YIELD		
Rating Unit							PERCENT	BU/A		
Rating Date							Oct-19-18	Oct-19-18		
PRM Data Type								TY1		
# Subsamples, Dec.								- 1		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	Plot	15	16
1	NTC							101	0.00	0.0
								208	0.00	0.0
								310	0.00	0.0
								409	0.00	0.0
								Mean =	0.00	0.0
2	TRIVENCE	61.3	WG	8.0	oz/a	PRE	A	102	14.10	28.7
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	206	11.20	19.3
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	302	14.10	28.2
								408	11.20	22.2
								Mean =	12.65	24.6
3	SURVEIL	48	WG	2.8	oz/a	PRE	A	103	14.10	25.3
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	204	14.10	33.0
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	309	11.20	26.7
								407	11.20	19.3
								Mean =	12.65	26.1
4	ENVIVE	41.3	WG	2.5	oz/a	PRE	A	104	14.10	31.1
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	205	11.20	27.2
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	312	14.10	22.0
								411	14.10	32.0
								Mean =	13.38	28.1
5	SURVEIL	48	WG	2.8	oz/a	PRE	A	105	.	.
	TRICOR	4	F	8.0	oz/a	PRE	A	203	14.10	21.5
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	307	11.20	25.2
	EVERPREX	7.62	EC	16.0	oz/a	POST	B	403	14.10	22.5
								Mean =	13.13	23.1
6	TRICOR	4	F	8.0	oz/a	PRE	A	106	11.20	16.8
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	210	14.10	25.8
	WARRANT	3	ME	48.0	oz/a	POST	B	306	11.20	22.7
								405	11.20	20.7
								Mean =	11.93	21.5
7	VALOR SX	51	WG	2.0	oz/a	PRE	A	107	11.20	25.2
								201	14.10	32.0
								304	.	.
								402	14.10	25.3
								Mean =	13.13	27.5
8	FIERCE	76	WG	3.0	oz/a	PRE	A	108	11.20	24.2
								207	11.20	23.7
								305	11.20	23.2
								410	14.10	23.9
								Mean =	11.93	23.8

# University of Georgia

## WEED CONTROL IN LL SOYBEANS

Trial ID: SB-05B-18      Study Dir.: JOHN RICHBURG  
Location: PONDER FARM      Investigator: Eric P. Prostko

### Weed Code

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

### Part Rated

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

LEAF = LEAF / FOLIAGE

C = Crop is Part Rated

### PRM Data Type

TY1 =  $4.84 * [14] * (100 - @MVAVGREP([15])) / 87$