

University of Georgia

ENGENIA PRO FOR WEED CONTROL IN XTEND SOYBEANS									
Trial ID:	SB-09-18	Study Dir.:	ABRAHAM FULMER						
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	Spray Volume	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	NTC								101	212	302
2	ENGENIA PRO	SC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx	102	206	305
	ENGENIA	5 SL		12.8 oz/a	POST	B	15 GAL/AC	9.999 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
3	ENGENIA PRO	SC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx	103	205	309
	ENGENIA	5 SL		12.8 oz/a	POST	B	15 GAL/AC	9.999 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	OUTLOOK	6 EC		10.0 oz/a	POST	B	15 GAL/AC	7.812 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
4	ENGENIA	5 SL		12.8 oz/a	PRE	A	15 GPA	9.999 mL/mx	104	201	311
	OUTLOOK	6 SC		10.0 oz/a	PRE	A	15 GPA	7.812 mL/mx			
	ENGENIA PRO	SC		16.0 oz/a	POST	B	15 GAL/AC	12.5 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
5	TRICOR	4 L		8.0 oz/a	PRE	A	15 GPA	6.249 mL/mx	105	202	301
	PROWL H20	3.8 SC		32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx			
	REFLEX	2 SL		24.0 oz/a	POST	B	15 GAL/AC	18.75 mL/mx			
	2,4-DB	1.75 SL		2.0 oz/a	POST	B	15 GAL/AC	1.562 mL/mx			
	NIS			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
6	ENGENIA PRO	SC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx	106	203	310
	ENGENIA PRO	SC		16.0 oz/a	POST	B	15 GAL/AC	12.5 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
7	ENGENIA PRO	SC		12.8 oz/a	PRE	A	15 GPA	9.999 mL/mx	107	208	304
	ENGENIA PRO	SC		12.8 oz/a	POST	B	15 GAL/AC	9.999 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
8	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	17.19 mL/mx	108	207	312
	WARRANT	3 CS		48.0 oz/a	PRE	A	15 GPA	37.5 mL/mx			
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GAL/AC	17.19 mL/mx			
	WARRANT	3 CS		48.0 oz/a	POST	B	15 GAL/AC	37.5 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
9	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	17.19 mL/mx	109	204	306
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	15 GPA	12.5 mL/mx			
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GAL/AC	17.19 mL/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B	15 GAL/AC	12.5 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	INDUCE			0.25 % v/v	POST	B	15 GAL/AC	3.75 mL/mx			
10	TRICOR	4 L		8.0 oz/a	PRE	A	15 GPA	6.249 mL/mx	110	211	303
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	REFLEX	2 SL		24.0 oz/a	POST	B	15 GAL/AC	18.75 mL/mx			
11	TRICOR	4 L		8.0 oz/a	PRE	A	15 GPA	6.249 mL/mx	111	209	307
	ENGENIA	5 SL		12.8 oz/a	POST	B	15 GAL/AC	9.999 mL/mx			
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B	15 GAL/AC	25.0 mL/mx			
	OUTLOOK	6 SC		10.0 oz/a	POST	B	15 GAL/AC	7.812 mL/mx			
12	NTC								112	210	308

Sort Order: Treatment

Trial Comments

SOYBEAN INJURY RATINGS AND YIELD WERE NOT COLLECTED DUE TO STAND PROBLEMS CAUSE BY RAIN/COMPACTION.

ANNUAL GRASS = NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING CRABGRASS, TEXAS PANICUM, GOOSEGRASS, CROWFOOTGRASS

University of Georgia

ENGENIA PRO = PYROXASULFONE (0.536 LBS/GAL) + DICAMBA (4 LBS/GAL)

SUMMARY:

1) GENERALLY, ALL TREATMENTS PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES (> 93%).

2) NO DICAMBA WEED CONTROL PROGRAM WAS MORE EFFECTIVE THAN A TRADITIONAL CONVENTIONAL PROGRAM (TRICOR + PROWL FB REFLEX + 2,4-DB) OR RR PROGRAM (TRICOR FB ROUNDUP + REFLEX).

University of Georgia

ENGENIA PRO FOR WEED CONTROL IN XTEND SOYBEANS

Trial ID: SB-09-18 Study Dir.: ABRAHAM FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: ABRAHAM FULMER **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 CRAB/CROW/GOOSE/PANICUM
Crop 1: GLYMA SOYBEAN **Variety:** AG 72X7 **Planting Date:** Jun-5-18
Planting Method: MONOSEM **Rate:** 130680 SEED/A **Depth:** 1.5 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPT-WET **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: 400 LBS/A 5-15-30 PREPLANT;

Previous: Crops **Pesticides** **Year**
1. PEANUT 2017

MAINTENANCE

Field Prep./Maintenance: _____
No. **Date** **Treatment Name** **Form** **Form** **Form** **Rate**
1. _____ **Conc** **Unit** **Type** **Rate** **Unit**

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.67 **% Sand:** 94 **% Silt:** 2 **% Clay:** 4
pH: 6.5 **CEC:** 2.8 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Jun-2-18		0.4	IN	RAINFALL		
2. Jun-3-18		0.47	IN	RAINFALL		
3. Jun-6-18		0.35	IN	SPRINKLER - LATERAL MOVE		
4. Jun-11-18		0.5	IN	SPRINKLER - LATERAL MOVE		
5.						

Overall Moisture Conditions:

Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Jun-6-18	Jun-28-18				
Time of Day:	8:15 AM	8:20 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	PRE	POST				
Applic. Placement:	SOIL	FOLIAGE				
Air Temp., Unit:	71 F	74 F				
% Relative Humidity:	95	97				
Wind Velocity, Unit:	1 MPH	3 MPH				
Dew Presence (Y/N):	N	Y				
Water Hardness:						
Soil Temp., Unit:	75 F	78 F				
Soil Moisture:	EXCESSIVE	EXCESSIVE				
% Cloud Cover:	70	50				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	GLYMA					
Stage Scale:		V4				
Height, Unit:		8 IN				

University of Georgia

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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK SAME AS A	_____	_____	_____	_____	_____	_____
Operating Pressure:	45	_____	_____	_____	_____	_____	_____
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):	—	—	—	—	—	—	—

Trt No	Treatment Application Comment
_____	_____

University of Georgia

ENGENIA PRO FOR WEED CONTROL IN XTEND SOYBEANS											
Trial ID: SB-09-18		Study Dir.: ABRAHAM FULMER									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code						AMAPA	AGRASS	AMAPA	AGRASS	AMAPA	AGRASS
Crop Code						-----	-----	-----	-----	-----	-----
Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						Jun-19-18	Jun-19-18	Jun-28-18	Jun-28-18	Jul-9-18	Jul-9-18
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5
1	NTC						0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
2	ENGENIA PRO	SC		16.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	97.7 a	99.0 a
	ENGENIA	5 SL		12.8 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
3	ENGENIA PRO	SC		16.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	ENGENIA	5 SL		12.8 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	OUTLOOK	6 EC		10.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
4	ENGENIA	5 SL		12.8 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	OUTLOOK	6 SC		10.0 oz/a	PRE	A					
	ENGENIA PRO	SC		16.0 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
5	TRICOR	4 L		8.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	PROWL H20	3.8 SC		32.0 oz/a	PRE	A					
	REFLEX	2 SL		24.0 oz/a	POST	B					
	2,4-DB	1.75 SL		2.0 oz/a	POST	B					
	NIS			0.25 % v/v	POST	B					
6	ENGENIA PRO	SC		16.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	ENGENIA PRO	SC		16.0 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
7	ENGENIA PRO	SC		12.8 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	ENGENIA PRO	SC		12.8 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
8	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	WARRANT	3 CS		48.0 oz/a	PRE	A					
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B					
	WARRANT	3 CS		48.0 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
9	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	97.7 a	99.0 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A					
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B					
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	INDUCE			0.25 % v/v	POST	B					
10	TRICOR	4 L		8.0 oz/a	PRE	A	99.0 a	97.7 a	99.0 a	87.7 a	99.0 a
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	REFLEX	2 SL		24.0 oz/a	POST	B					
11	TRICOR	4 L		8.0 oz/a	PRE	A	99.0 a	97.7 a	99.0 a	93.0 a	99.0 a
	ENGENIA	5 SL		12.8 oz/a	POST	B					
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B					
	OUTLOOK	6 SC		10.0 oz/a	POST	B					
12	NTC						0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
Tukey's HSD P=.10						.	2.59	.	15.87	.	1.79
Standard Deviation						0.00	0.96	0.00	5.90	0.00	0.67
CV						0.0	1.17	0.0	7.3	0.0	0.81
Grand Mean						82.50	82.28	82.50	80.83	82.50	82.39
Levene's F						0.00	0.00	0.00	0.969	0.00	
Levene's Prob(F)						0.00*	0.00*	0.00*	0.498	0.00*	
Replicate F						0.000	0.478	0.000	1.878	0.000	1.000
Replicate Prob(F)						1.0000	0.6262	1.0000	0.1766	1.0000	0.3840
Treatment F						0.000	4769.011	0.000	123.943	0.000	9997.751
Treatment Prob(F)						1.0000	0.0001	1.0000	0.0001	1.0000	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
 Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5 because error mean square = 0.

University of Georgia

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							AMAPA ----- CONTROL PERCENT Jul-30-18	AGRASS ----- CONTROL PERCENT Jul-30-18
Trt No. Name	Treatment	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code	7	8
1	NTC						0.0 b	0.0 b
2	ENGENIA PRO	SC		16.0 oz/a	PRE	A	97.7 a	93.3 a
	ENGENIA	5 SL		12.8 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
3	ENGENIA PRO	SC		16.0 oz/a	PRE	A	99.0 a	95.0 a
	ENGENIA	5 SL		12.8 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	OUTLOOK	6 EC		10.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
4	ENGENIA	5 SL		12.8 oz/a	PRE	A	99.0 a	95.0 a
	OUTLOOK	6 SC		10.0 oz/a	PRE	A		
	ENGENIA PRO	SC		16.0 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
5	TRICOR	4 L		8.0 oz/a	PRE	A	99.0 a	95.0 a
	PROWL H20	3.8 SC		32.0 oz/a	PRE	A		
	REFLEX	2 SL		24.0 oz/a	POST	B		
	2,4-DB	1.75 SL		2.0 oz/a	POST	B		
	NIS			0.25 % v/v	POST	B		
6	ENGENIA PRO	SC		16.0 oz/a	PRE	A	99.0 a	95.0 a
	ENGENIA PRO	SC		16.0 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
7	ENGENIA PRO	SC		12.8 oz/a	PRE	A	99.0 a	96.3 a
	ENGENIA PRO	SC		12.8 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
8	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	99.0 a	96.3 a
	WARRANT	3 CS		48.0 oz/a	PRE	A		
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B		
	WARRANT	3 CS		48.0 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
9	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	99.0 a	96.3 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B		
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	INDUCE			0.25 % v/v	POST	B		
10	TRICOR	4 L		8.0 oz/a	PRE	A	99.0 a	97.7 a
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	REFLEX	2 SL		24.0 oz/a	POST	B		
11	TRICOR	4 L		8.0 oz/a	PRE	A	99.0 a	96.3 a
	ENGENIA	5 SL		12.8 oz/a	POST	B		
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B		
	OUTLOOK	6 SC		10.0 oz/a	POST	B		
12	NTC						0.0 b	0.0 b
Tukey's HSD P=.10							1.79	4.44
Standard Deviation							0.67	1.65
CV							0.81	2.07
Grand Mean							82.39	79.69
Levene's F								0.55
Levene's Prob(F)								0.849
Replicate F							1.000	1.845
Replicate Prob(F)							0.3840	0.1816
Treatment F							9997.751	1527.002
Treatment Prob(F)							0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)
 Could not calculate Tukey's HSD (% mean diff) for columns 1,3,5 because error mean square = 0.

University of Georgia

ENGENIA PRO FOR WEED CONTROL IN XTEND SOYBEANS			
Trial ID:	SB-09-18	Study Dir.:	ABRAHAM FULMER
Location:	PONDER FARM	Investigator:	Eric P. Prostko
<u>Weed Code</u>			
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.			

University of Georgia

ENGENIA PRO FOR WEED CONTROL IN XTEND SOYBEANS										
Trial ID: SB-09-18		Study Dir.: ABRAHAM FULMER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						AMAPA	AGRASS	AMAPA	AGRASS	AMAPA
Crop Code						-----	-----	-----	-----	-----
Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						Jun-19-18	Jun-19-18	Jun-28-18	Jun-28-18	Jul-9-18
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	1	2	3	5
1	NTC					101	0.0	0.0	0.0	0.0
						212	0.0	0.0	0.0	0.0
						302	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0
2	ENGENIA PRO	SC		16.0 oz/a	PRE	A 102	99.0	99.0	99.0	99.0
	ENGENIA	5 SL		12.8 oz/a	POST	B 206	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B 305	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
3	ENGENIA PRO	SC		16.0 oz/a	PRE	A 103	99.0	99.0	99.0	99.0
	ENGENIA	5 SL		12.8 oz/a	POST	B 205	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B 309	99.0	99.0	99.0	99.0
	OUTLOOK	6 EC		10.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
4	ENGENIA	5 SL		12.8 oz/a	PRE	A 104	99.0	99.0	99.0	99.0
	OUTLOOK	6 SC		10.0 oz/a	PRE	A 201	99.0	99.0	99.0	99.0
	ENGENIA PRO	SC		16.0 oz/a	POST	B 311	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
5	TRICOR	4 L		8.0 oz/a	PRE	A 105	99.0	99.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a	PRE	A 202	99.0	99.0	99.0	99.0
	REFLEX	2 SL		24.0 oz/a	POST	B 301	99.0	99.0	99.0	99.0
	2,4-DB	1.75 SL		2.0 oz/a	POST	B				
	NIS			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
6	ENGENIA PRO	SC		16.0 oz/a	PRE	A 106	99.0	99.0	99.0	99.0
	ENGENIA PRO	SC		16.0 oz/a	POST	B 203	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B 310	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
7	ENGENIA PRO	SC		12.8 oz/a	PRE	A 107	99.0	99.0	99.0	99.0
	ENGENIA PRO	SC		12.8 oz/a	POST	B 208	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B 304	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
8	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A 108	99.0	99.0	99.0	99.0
	WARRANT	3 CS		48.0 oz/a	PRE	A 207	99.0	99.0	99.0	99.0
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B 312	99.0	99.0	99.0	99.0
	WARRANT	3 CS		48.0 oz/a	POST	B				
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
9	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A 109	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A 204	99.0	99.0	99.0	99.0
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B 306	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B				
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B				
	INDUCE			0.25 % v/v	POST	B				
						Mean =	99.0	99.0	99.0	99.0
10	TRICOR	4 L		8.0 oz/a	PRE	A 110	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B 211	99.0	95.0	99.0	99.0
	REFLEX	2 SL		24.0 oz/a	POST	B 303	99.0	99.0	99.0	99.0
						Mean =	99.0	97.7	99.0	99.0

University of Georgia

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							AMAPA ----- CONTROL PERCENT Jun-19-18	AGRASS ----- CONTROL PERCENT Jun-19-18	AMAPA ----- CONTROL PERCENT Jun-28-18	AGRASS ----- CONTROL PERCENT Jun-28-18	AMAPA ----- CONTROL PERCENT Jul-9-18		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5
11	TRICOR	4	L	8.0	oz/a	PRE	A	111	99.0	95.0	99.0	95.0	99.0
	ENGENIA	5	SL	12.8	oz/a	POST	B	209	99.0	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	5.5	SL	32.0	oz/a	POST	B	307	99.0	99.0	99.0	85.0	99.0
	OUTLOOK	6	SC	10.0	oz/a	POST	B						
								Mean =	99.0	97.7	99.0	93.0	99.0
12	NTC							112	0.0	0.0	0.0	0.0	0.0
								210	0.0	0.0	0.0	0.0	0.0
								308	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

University of Georgia

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							AGRASS ----- CONTROL PERCENT Jul-9-18	AMAPA ----- CONTROL PERCENT Jul-30-18	AGRASS ----- CONTROL PERCENT Jul-30-18
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
1	NTC						101	0.0	0.0
							212	0.0	0.0
							302	0.0	0.0
							Mean =	0.0	0.0
2	ENGENIA PRO	SC		16.0	oz/a	PRE	A	102	95.0
	ENGENIA	5 SL		12.8	oz/a	POST	B	206	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B	305	99.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	97.7	97.7
3	ENGENIA PRO	SC		16.0	oz/a	PRE	A	103	99.0
	ENGENIA	5 SL		12.8	oz/a	POST	B	205	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B	309	99.0
	OUTLOOK	6 EC		10.0	oz/a	POST	B		99.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
4	ENGENIA	5 SL		12.8	oz/a	PRE	A	104	99.0
	OUTLOOK	6 SC		10.0	oz/a	PRE	A	201	99.0
	ENGENIA PRO	SC		16.0	oz/a	POST	B	311	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B		95.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
5	TRICOR	4 L		8.0	oz/a	PRE	A	105	99.0
	PROWL H20	3.8 SC		32.0	oz/a	PRE	A	202	99.0
	REFLEX	2 SL		24.0	oz/a	POST	B	301	99.0
	2,4-DB	1.75 SL		2.0	oz/a	POST	B		95.0
	NIS			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
6	ENGENIA PRO	SC		16.0	oz/a	PRE	A	106	99.0
	ENGENIA PRO	SC		16.0	oz/a	POST	B	203	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B	310	99.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
7	ENGENIA PRO	SC		12.8	oz/a	PRE	A	107	99.0
	ENGENIA PRO	SC		12.8	oz/a	POST	B	208	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B	304	99.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
8	XTENDIMAX + VG	2.9 SL		22.0	oz/a	PRE	A	108	99.0
	WARRANT	3 CS		48.0	oz/a	PRE	A	207	99.0
	XTENDIMAX + VG	2.9 SL		22.0	oz/a	POST	B	312	99.0
	WARRANT	3 CS		48.0	oz/a	POST	B		95.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B		95.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
9	XTENDIMAX + VG	2.9 SL		22.0	oz/a	PRE	A	109	99.0
	DUAL MAGNUM	7.62 EC		16.0	oz/a	PRE	A	204	99.0
	XTENDIMAX + VG	2.9 SL		22.0	oz/a	POST	B	306	99.0
	DUAL MAGNUM	7.62 EC		16.0	oz/a	POST	B		95.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B		95.0
	INDUCE			0.25	% v/v	POST	B		95.0
							Mean =	99.0	99.0
10	TRICOR	4 L		8.0	oz/a	PRE	A	110	99.0
	ROUNDUP POWERMAX	5.5 SL		32.0	oz/a	POST	B	211	99.0
	REFLEX	2 SL		24.0	oz/a	POST	B	303	99.0
							Mean =	99.0	99.0

University of Georgia

Weed Code							AGRASS		AMAPA	AGRASS
Crop Code							-----		-----	-----
Rating Data Type							CONTROL		CONTROL	CONTROL
Rating Unit							PERCENT		PERCENT	PERCENT
Rating Date							Jul-9-18		Jul-30-18	Jul-30-18
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate Unit	Stg	Code Plot		6		7	8
11 TRICOR	4 L		8.0 oz/a	PRE	A 111		99.0		99.0	99.0
ENGENIA	5 SL		12.8 oz/a	POST	B 209		99.0		99.0	95.0
ROUNDUP POWERMAX	5.5 SL		32.0 oz/a	POST	B 307		99.0		99.0	95.0
OUTLOOK	6 SC		10.0 oz/a	POST	B					
					Mean =		99.0		99.0	96.3
12 NTC					112		0.0		0.0	0.0
					210		0.0		0.0	0.0
					308		0.0		0.0	0.0
					Mean =		0.0		0.0	0.0

University of Georgia

ENGENIA PRO FOR WEED CONTROL IN XTEND SOYBEANS

Trial ID: SB-09-18 Study Dir.: ABRAHAM FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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