

# University of Georgia

## XTEND/XTENDFLEX/ENLIST SOYBEAN WEED CONTROL SYSTEMS DEMONSTRATION (NON-REPLICATED)

Trial ID: SB-02-19      Study Dir.: MARK BRAXTON (2019-01-B7-07)  
Location: PONDER FARM      Investigator: Eric P. Prostko

Reps: 1      Plots: 6 by 200 feet  
Mix Size: 2 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
1	AG 56X8									101
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	22.91 mL/mx	-	
	WARRANT	3 ME		48.0 oz/a	PRE	A	15 GPA	49.99 mL/mx	1908.8 mL	
	MAULER	4 SC		8.0 oz/a	PRE	A	15 GPA	8.332 mL/mx		
	INTACT			0.5 % v/v	PRE	A	15 GPA	9.999 mL/mx		
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GPA	22.91 mL/mx	1863.8 mL	
	ROUNDUP P-MAX II	5.5 SL		32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GPA	49.99 mL/mx		
	INTACT			0.5 % v/v	POST	B	15 GPA	9.999 mL/mx		
	CLASS ACT RIDION			1.0 % v/v	POST	B	15 GPA	20.0 mL/mx		
2	AG 59X9									102
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	22.91 mL/mx	-	
	WARRANT	3 ME		48.0 oz/a	PRE	A	15 GPA	49.99 mL/mx	1908.8 mL	
	MAULER	4 SC		8.0 oz/a	PRE	A	15 GPA	8.332 mL/mx		
	INTACT			0.5 % v/v	PRE	A	15 GPA	9.999 mL/mx		
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GPA	22.91 mL/mx	1863.8 mL	
	ROUNDUP P-MAX II	5.5 SL		32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GPA	49.99 mL/mx		
	INTACT			0.5 % v/v	POST	B	15 GPA	9.999 mL/mx		
	CLASS ACT RIDION			1.0 % v/v	POST	B	15 GPA	20.0 mL/mx		
3	AG 64X8									103
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	22.91 mL/mx	-	
	WARRANT	3 ME		48.0 oz/a	PRE	A	15 GPA	49.99 mL/mx	1908.8 mL	
	MAULER	4 SC		8.0 oz/a	PRE	A	15 GPA	8.332 mL/mx		
	INTACT			0.5 % v/v	PRE	A	15 GPA	9.999 mL/mx		
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GPA	22.91 mL/mx	1863.8 mL	
	ROUNDUP P-MAX II	5.5 SL		32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GPA	49.99 mL/mx		
	INTACT			0.5 % v/v	POST	B	15 GPA	9.999 mL/mx		
	CLASS ACT RIDION			1.0 % v/v	POST	B	15 GPA	20.0 mL/mx		
4	AG 72XFO									104
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	22.91 mL/mx	-	
	WARRANT ULTRA	3.49 CS		50.0 oz/a	PRE	A	15 GPA	52.08 mL/mx	1925.0 mL	
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GPA	22.91 mL/mx	1863.8 mL	
	ROUNDUP P-MAX II	5.5 SL		32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GPA	49.99 mL/mx		
	INTACT			0.5 % v/v	POST	B	15 GPA	9.999 mL/mx		
	CLASS ACT RIDION			1.0 % v/v	POST	B	15 GPA	20.0 mL/mx		
	LIBERTY	2.34 SL		32.0 oz/a	LPOST	C	15 GAL/AC	33.33 mL/mx	1906.7 mL	
AMSOL			3.0 % v/v	LPOST	C	15 GAL/AC	59.99 mL/mx			
5	AG 69XFO									105
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	15 GPA	22.91 mL/mx	-	
	WARRANT ULTRA	3.49 CS		50.0 oz/a	PRE	A	15 GPA	52.08 mL/mx	1925.0 mL	
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	15 GPA	22.91 mL/mx	1863.8 mL	
	ROUNDUP P-MAX II	5.5 SL		32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
	WARRANT	3 ME		48.0 oz/a	POST	B	15 GPA	49.99 mL/mx		
	INTACT			0.5 % v/v	POST	B	15 GPA	9.999 mL/mx		
	CLASS ACT RIDION			1.0 % v/v	POST	B	15 GPA	20.0 mL/mx		
	LIBERTY	2.34 SL		32.0 oz/a	LPOST	C	15 GAL/AC	33.33 mL/mx	1906.7 mL	
AMSOL			3.0 % v/v	LPOST	C	15 GAL/AC	59.99 mL/mx			

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 DEMONSTRATION (NON-REPLICATED)  
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 Location: PONDER FARM      Investigator: Eric P. Prostko

Reps: 1      Plots: 6 by 200 feet  
 Mix Size: 2 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
6	AG 61XFO								-	106
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A	15 GPA	22.91 mL/mx	1925.0 mL	
	WARRANT ULTRA	3.49	CS	50.0 oz/a	PRE	A	15 GPA	52.08 mL/mx		
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B	15 GPA	22.91 mL/mx	1863.8 mL	
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	WARRANT	3	ME	48.0 oz/a	POST	B	15 GPA	49.99 mL/mx		
	INTACT			0.5 % v/v	POST	B	15 GPA	9.999 mL/mx		
	CLASS ACT RIDION			1.0 % v/v	POST	B	15 GPA	20.0 mL/mx		
LIBERTY	2.34	SL	32.0 oz/a	LPOST	C	15 GAL/AC	33.33 mL/mx	1906.7 mL		
AMSOL			3.0 % v/v	LPOST	C	15 GAL/AC	59.99 mL/mx			
7	SH-7418LL								-	107
	ZIDUA	4.17	SC	3.5 oz/a	PRE	A	15 GPA	3.645 mL/mx	1996.4 mL	
	LIBERTY	2.34	SL	32.0 oz/a	POST	B	15 GPA	33.33 mL/mx	1894.2 mL	
	OUTLOOK	6	EC	12.0 oz/a	POST	B	15 GPA	12.5 mL/mx		
AMSOL			3.0 % v/v	POST	B	15 GPA	59.99 mL/mx			
8	BECKS 4628FPO LLGT27								-	108
	ZIDUA	4.17	SC	3.5 oz/a	PRE	A	15 GPA	3.645 mL/mx	1996.4 mL	
	LIBERTY	2.34	SL	32.0 oz/a	POST	B	15 GPA	33.33 mL/mx	1860.9 mL	
	OUTLOOK	6	EC	12.0 oz/a	POST	B	15 GPA	12.5 mL/mx		
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
AMSOL			3.0 % v/v	POST	B	15 GPA	59.99 mL/mx			
9	CZ-3929GTLL								-	109
	ZIDUA	4.17	SC	3.5 oz/a	PRE	A	15 GPA	3.645 mL/mx	1996.4 mL	
	LIBERTY	2.34	SL	32.0 oz/a	POST	B	15 GPA	33.33 mL/mx	1860.9 mL	
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B	15 GPA	33.33 mL/mx		
	OUTLOOK	6	EC	12.0 oz/a	POST	B	15 GPA	12.5 mL/mx		
AMSOL			3.0 % v/v	POST	B	15 GPA	59.99 mL/mx			
10	XBP51010E								-	110
	ENLIST ONE	3.8	SL	24.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1972.5 mL	
	ENVIVE	41.3	SG	2.5 oz/a	PRE	A	15 GPA	2.496 g/mx		
	ENLIST DUO	3.3	SL	56.0 oz/a	POST	B	15 GPA	58.33 mL/mx	1925.0 mL	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B	15 GPA	16.66 mL/mx		
	LIBERTY	2.34	SL	32.0 oz/a	LPOST	C	15 GAL/AC	33.33 mL/mx	1906.7 mL	
AMSOL			3.0 % v/v	LPOST	C	15 GAL/AC	59.99 mL/mx			
11	XBP51010E								-	111
	ENLIST ONE	3.8	SL	24.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1972.5 mL	
	ENVIVE	41.3	SG	2.5 oz/a	PRE	A	15 GPA	2.496 g/mx		
	ENLIST DUO	3.3	SL	56.0 oz/a	POST	B	15 GPA	58.33 mL/mx	1925.0 mL	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B	15 GPA	16.66 mL/mx		
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AMSOL			3.0 % v/v	LPOST	C	15 GAL/AC	59.99 mL/mx			
12	5190E3								-	112
	ENLIST ONE	3.8	SL	24.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1972.5 mL	
	ENVIVE	41.3	SG	2.5 oz/a	PRE	A	15 GPA	2.496 g/mx		
	ENLIST DUO	3.3	SL	56.0 oz/a	POST	B	15 GPA	58.33 mL/mx	1925.0 mL	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	B	15 GPA	16.66 mL/mx		
	LIBERTY	2.34	SL	32.0 oz/a	LPOST	C	15 GAL/AC	33.33 mL/mx	1906.7 mL	
AMSOL			3.0 % v/v	LPOST	C	15 GAL/AC	59.99 mL/mx			

Sort Order: Treatment

Trial Comments

LPOST = WERE NOT NEEDED SO THEY WERE NOT APPLIED.

AGRASS = NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, AND GOOSEGRASS.

SEED VIGOR ISSUES WERE OBSERVED WITH BECKS 4628FPO LLGT27 AND CZ-3929GTLL

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DEMONSTRATION (NON-REPLICATED)  
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Location: PONDER FARM Investigator: Eric P. Prostko

USED TTI NOZZLES FOR ALL TRTS EXCEPT LIBERTY (AIXR)

EQUUS @ 4 OZ/A + BORN @ 32 OZ/A + DIMILIN @ 2 OZ/A (JUNE 24)

ROUNDUP @ 32 OZ/A + SHARPEN @ 2 OZ/A (SEPTEMBER 25)

**SUMMARY (ONLY OBSERVATIONS CAN BE MADE SINCE DATA WAS NOT REPLICATED):**

- 1) PALMER AMARANTH AND ANNUAL GRASS CONTROL WAS EXCELLENT (95%+) WITH ALL SOYBEAN WEED CONTROL SYSTEMS (XTEND, XTENDFLEX, LIBERTY, AND ENLIST).
- 2) GREEN STEM WAS EVIDENT IN ALL VARIETIES EXCEPT AG59X9, AG64X8, AG72XF0, AND AG69XF0.
- 3) HIGHEST YIELDING VARIETY IN THIS TRIAL WAS AG61XF0 (31.7 BU/A)

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 Location: PONDER FARM Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

**Study Director:** MARK BRAXTON (2019-01-B7-07) **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.** AMAPA PALMER AMARANTH **2.** AGRASS TX PANICUM; CRABGRAS;CROWF  
**Weed 3.** RAPRA WILD RADISH **4.** \_\_\_\_\_

**Crop 1:** GLYMA SOYBEAN **Variety:** MANY **Planting Date:** May-15-19  
**Planting Method:** MONOSEM **Rate:** 8 SEED/FT **Depth:** 1.25 IN  
**Perennial Age:** \_\_\_\_\_ **Row Spacing:** 36 IN **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_ **Soil Moisture:** OPTIMUM **Emergence Date:** \_\_\_\_\_

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 200 FT **Reps:** 1  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL **Study Design:** RACOBL  
**Trial Initiation Comments:** 400 LBS/A 5-15-30 APPLIED PREPLANT;

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**Previous: Crops** **Pesticides** **Year**  
 1. COTTON 2018 \_\_\_\_\_

### MAINTENANCE

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

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

### SOIL DESCRIPTION

**Texture:** SAND **% OM:** 0.82 **% Sand:** 96 **% Silt:** 2 **% Clay:** 2  
**pH:** 6.1 **CEC:** 2.9 **Soil Name:** TIFTON **Fertility Level:** GOOD

### MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-9-19	0.195	IN	RAINFALL	_____	_____
2.	May-10-19	0.11	IN	RAINFALL	_____	_____
3.	May-11-19	0.65	IN	RAINFALL	_____	_____
4.	May-12-19	0.27	IN	RAINFALL	_____	_____
5.	May-16-19	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6.	May-17-19	0.62	IN	RAINFALL	_____	_____
7.	May-20-19	0.3	IN	SPRINKLER - LATERAL MOVE	_____	_____
8.	May-21-19	0.25	IN	SPRINKLER - LATERAL MOVE	_____	_____
9.	May-23-19	0.2	IN	SPRINKLER - LATERAL MOVE	_____	_____
10.	May-24-19	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
11.	May-29-19	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
12.	May-31-19	0.7	IN	SPRINKLER - LATERAL MOVE	_____	_____

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

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 Location: PONDER FARM Investigator: Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-16-19	Jun-11-19					
Time of Day:	7:30 AM	7:35 AM					
Application Method:	BRADCAST	BROAFCAST					
Application Timing:	PRE	POST					
Applic. Placement:	SOIL	FOLIAGE					
Air Temp., Unit:	58 F	73	F				
% Relative Humidity:	87	96					
Wind Velocity, Unit:	0 MPH	0	MPH				
Dew Presence (Y/N):	N	Y					
Water Hardness:	--						
Soil Temp., Unit:	68 F	75	F				
Soil Moisture:	OPTIMUM	WET					
% Cloud Cover:	0	100					

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1 Stage:	GLYMA	7-12" TAL					
Stage Scale:		V4-V6					
Height, Unit:							

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1 Stage:	AMAPA	2-6" TALL					
Stage Scale:							
Density, Unit:							
Weed 2 Stage:	AGRASS	2-9" TALL					
Stage Scale:							
Density, Unit:							
Weed 3 Stage:	RAPRA	NONE UP					
Stage Scale:							
Density, Unit:							

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	38	38					
Nozzle Type:	TTI	TTI/AIXR					
Nozzle Size:	11002	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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Location: PONDER FARM      Investigator: Eric P. Prostko												
Weed Code						----- GLYMA	AMAPA -----	AGRASS -----	RAPRA -----	AMAPA -----	AGRASS -----	
Crop Code						Injury Percent	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent	
Part Rated						May-24-19	May-24-19	May-24-19	May-24-19	Jun-4-19	Jun-4-19	
Rating Data Type												
Rating Unit												
Rating Date												
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	1	2	3	4	5	6
1	AG 56X8						0.0	99.0	99.0	99.0	95.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A						
	WARRANT	3	ME	48.0 oz/a	PRE	A						
	MAULER	4	SC	8.0 oz/a	PRE	A						
	INTACT			0.5 % v/v	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B						
	WARRANT	3	ME	48.0 oz/a	POST	B						
	INTACT			0.5 % v/v	POST	B						
	CLASS ACT RIDION			1.0 % v/v	POST	B						
2	AG 59X9						0.0	99.0	99.0	99.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A						
	WARRANT	3	ME	48.0 oz/a	PRE	A						
	MAULER	4	SC	8.0 oz/a	PRE	A						
	INTACT			0.5 % v/v	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B						
	WARRANT	3	ME	48.0 oz/a	POST	B						
	INTACT			0.5 % v/v	POST	B						
	CLASS ACT RIDION			1.0 % v/v	POST	B						
3	AG 64X8						0.0	99.0	99.0	99.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A						
	WARRANT	3	ME	48.0 oz/a	PRE	A						
	MAULER	4	SC	8.0 oz/a	PRE	A						
	INTACT			0.5 % v/v	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B						
	WARRANT	3	ME	48.0 oz/a	POST	B						
	INTACT			0.5 % v/v	POST	B						
	CLASS ACT RIDION			1.0 % v/v	POST	B						
4	AG 72XFO						0.0	99.0	99.0	99.0	95.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A						
	WARRANT ULTRA	3.49	CS	50.0 oz/a	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B						
	WARRANT	3	ME	48.0 oz/a	POST	B						
	INTACT			0.5 % v/v	POST	B						
	CLASS ACT RIDION			1.0 % v/v	POST	B						
	LIBERTY	2.34	SL	32.0 oz/a	LPOST	C						
	AMSOL			3.0 % v/v	LPOST	C						
5	AG 69XFO						0.0	99.0	99.0	99.0	99.0	95.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A						
	WARRANT ULTRA	3.49	CS	50.0 oz/a	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B						
	WARRANT	3	ME	48.0 oz/a	POST	B						
	INTACT			0.5 % v/v	POST	B						
	CLASS ACT RIDION			1.0 % v/v	POST	B						
	LIBERTY	2.34	SL	32.0 oz/a	LPOST	C						
	AMSOL			3.0 % v/v	LPOST	C						

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.  
 Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 because error mean square = 0.

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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.	-----	AMAPA	AGRASS	RAPRA	AMAPA	AGRASS				
	GLYMA	-----	-----	-----	-----	-----				
	Injury	Control	Control	Control	Control	Control				
	Percent	Percent	Percent	Percent	Percent	Percent				
	May-24-19	May-24-19	May-24-19	May-24-19	Jun-4-19	Jun-4-19				
Trt Treatment	Form Form	Rate	Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code	1	2				
					3	4				
					5	6				
6 AG 61XF0					0.0	99.0	99.0	99.0	99.0	99.0
XTENDIMAX + VG	2.9 SL	22.0 oz/a	PRE	A						
WARRANT ULTRA	3.49 CS	50.0 oz/a	PRE	A						
XTENDIMAX + VG	2.9 SL	22.0 oz/a	POST	B						
ROUNDUP P-MAX II	5.5 SL	32.0 oz/a	POST	B						
WARRANT	3 ME	48.0 oz/a	POST	B						
INTACT		0.5 % v/v	POST	B						
CLASS ACT RIDION		1.0 % v/v	POST	B						
LIBERTY	2.34 SL	32.0 oz/a	LPOST	C						
AMSOL		3.0 % v/v	LPOST	C						
7 SH-7418LL					0.0	99.0	99.0	99.0	99.0	99.0
ZIDUA	4.17 SC	3.5 oz/a	PRE	A						
LIBERTY	2.34 SL	32.0 oz/a	POST	B						
OUTLOOK	6 EC	12.0 oz/a	POST	B						
AMSOL		3.0 % v/v	POST	B						
8 BECKS 4628FPO LLGT27					0.0	99.0	99.0	99.0	95.0	99.0
ZIDUA	4.17 SC	3.5 oz/a	PRE	A						
LIBERTY	2.34 SL	32.0 oz/a	POST	B						
OUTLOOK	6 EC	12.0 oz/a	POST	B						
ROUNDUP P-MAX II	5.5 SL	32.0 oz/a	POST	B						
AMSOL		3.0 % v/v	POST	B						
9 CZ-3929GTLL					0.0	99.0	99.0	99.0	99.0	99.0
ZIDUA	4.17 SC	3.5 oz/a	PRE	A						
LIBERTY	2.34 SL	32.0 oz/a	POST	B						
ROUNDUP P-MAX II	5.5 SL	32.0 oz/a	POST	B						
OUTLOOK	6 EC	12.0 oz/a	POST	B						
AMSOL		3.0 % v/v	POST	B						
10 XBP51010E					0.0	99.0	99.0	99.0	99.0	85.0
ENLIST ONE	3.8 SL	24.0 oz/a	PRE	A						
ENVIVE	41.3 SG	2.5 oz/a	PRE	A						
ENLIST DUO	3.3 SL	56.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
LIBERTY	2.34 SL	32.0 oz/a	LPOST	C						
AMSOL		3.0 % v/v	LPOST	C						
11 XBP51010E					0.0	99.0	99.0	99.0	99.0	85.0
ENLIST ONE	3.8 SL	24.0 oz/a	PRE	A						
ENVIVE	41.3 SG	2.5 oz/a	PRE	A						
ENLIST DUO	3.3 SL	56.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
LIBERTY	2.34 SL	32.0 oz/a	LPOST	C						
AMSOL		3.0 % v/v	LPOST	C						
12 5190E3					0.0	99.0	99.0	99.0	99.0	85.0
ENLIST ONE	3.8 SL	24.0 oz/a	PRE	A						
ENVIVE	41.3 SG	2.5 oz/a	PRE	A						
ENLIST DUO	3.3 SL	56.0 oz/a	POST	B						
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	B						
LIBERTY	2.34 SL	32.0 oz/a	LPOST	C						
AMSOL		3.0 % v/v	LPOST	C						
LSD P=.10					.	.	.	.	.	.
Standard Deviation					.	.	.	.	.	.
CV					.	.	.	.	.	.
Grand Mean					0.00	99.00	99.00	99.00	98.00	95.17
Bartlett's X2					.	.	.	.	.	.
P(Bartlett's X2)					.	.	.	.	.	.

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.  
 Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 because error mean square = 0.

# University of Georgia

XTEND/XTENDFLEX/ENLIST SOYBEAN WEED CONTROL SYSTEMS DEMONSTRATION (NON-REPLICATED)						AMAPA	AGRASS	Total Weed Cover -	----- Glyma Leaf - Burn Percent	AMAPA	AGRASS		
Trial ID: SB-02-19      Study Dir.: MARK BRAXTON (2019-01-B7-07)						Control Percent	Control Percent	Percent	Percent	Control Percent	Control Percent		
Location: PONDER FARM      Investigator: Eric P. Prostko						Jun-11-19	Jun-11-19	Jun-11-19	Jun-21-19	Jun-21-19	Jun-21-19		
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	7	8	9	10	11	12
1	AG 56X8							95.0	95.0	10.0	5.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A							
	WARRANT	3	ME	48.0 oz/a	PRE	A							
	MAULER	4	SC	8.0 oz/a	PRE	A							
	INTACT			0.5 % v/v	PRE	A							
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B							
	WARRANT	3	ME	48.0 oz/a	POST	B							
	INTACT			0.5 % v/v	POST	B							
	CLASS ACT RIDION			1.0 % v/v	POST	B							
2	AG 59X9							99.0	99.0	10.0	5.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A							
	WARRANT	3	ME	48.0 oz/a	PRE	A							
	MAULER	4	SC	8.0 oz/a	PRE	A							
	INTACT			0.5 % v/v	PRE	A							
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B							
	WARRANT	3	ME	48.0 oz/a	POST	B							
	INTACT			0.5 % v/v	POST	B							
	CLASS ACT RIDION			1.0 % v/v	POST	B							
3	AG 64X8							99.0	99.0	5.0	10.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A							
	WARRANT	3	ME	48.0 oz/a	PRE	A							
	MAULER	4	SC	8.0 oz/a	PRE	A							
	INTACT			0.5 % v/v	PRE	A							
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B							
	WARRANT	3	ME	48.0 oz/a	POST	B							
	INTACT			0.5 % v/v	POST	B							
	CLASS ACT RIDION			1.0 % v/v	POST	B							
4	AG 72XFO							99.0	99.0	5.0	5.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A							
	WARRANT ULTRA	3.49	CS	50.0 oz/a	PRE	A							
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B							
	WARRANT	3	ME	48.0 oz/a	POST	B							
	INTACT			0.5 % v/v	POST	B							
	CLASS ACT RIDION			1.0 % v/v	POST	B							
	LIBERTY	2.34	SL	32.0 oz/a	LPOST	C							
	AMSOL			3.0 % v/v	LPOST	C							
5	AG 69XFO							99.0	99.0	10.0	0.0	99.0	99.0
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A							
	WARRANT ULTRA	3.49	CS	50.0 oz/a	PRE	A							
	XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0 oz/a	POST	B							
	WARRANT	3	ME	48.0 oz/a	POST	B							
	INTACT			0.5 % v/v	POST	B							
	CLASS ACT RIDION			1.0 % v/v	POST	B							
	LIBERTY	2.34	SL	32.0 oz/a	LPOST	C							
	AMSOL			3.0 % v/v	LPOST	C							

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.  
 Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 because error mean square = 0.



# University of Georgia

XTEND/XTENDFLEX/ENLIST SOYBEAN WEED CONTROL SYSTEMS DEMONSTRATION (NON-REPLICATED)														
Trial ID: SB-02-19      Study Dir.: MARK BRAXTON (2019-01-B7-07)														
Location: PONDER FARM      Investigator: Eric P. Prostko														
Weed Code	AMAPA	AGRASS	Total Weed Cover -	----- Glyma Leaf - Burn Percent	AMAPA	AGRASS								
Crop Code	-----	-----	-----	-----	-----	-----								
Part Rated														
Rating Data Type	Control Percent	Control Percent	Percent	Percent	Control Percent	Control Percent								
Rating Unit	Jun-11-19	Jun-11-19	Jun-11-19	Jun-21-19	Jun-21-19	Jun-21-19								
Rating Date														
PRM Data Type														
# Subsamples, Dec.														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	7	8	9	10	11	12	
6	AG 61XFO							99.0	99.0	10.0	5.0	99.0	99.0	
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A							
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A							
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B							
	WARRANT	3	ME	48.0	oz/a	POST	B							
	INTACT			0.5	% v/v	POST	B							
	CLASS ACT RIDION			1.0	% v/v	POST	B							
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C							
	AMSOL			3.0	% v/v	LPOST	C							
7	SH-7418LL							99.0	99.0	10.0	0.0	99.0	99.0	
	ZIDUA	4.17	SC	3.5	oz/a	PRE	A							
	LIBERTY	2.34	SL	32.0	oz/a	POST	B							
	OUTLOOK	6	EC	12.0	oz/a	POST	B							
	AMSOL			3.0	% v/v	POST	B							
8	BECKS 4628FPO LLGT27							99.0	99.0	5.0	0.0	99.0	99.0	
	ZIDUA	4.17	SC	3.5	oz/a	PRE	A							
	LIBERTY	2.34	SL	32.0	oz/a	POST	B							
	OUTLOOK	6	EC	12.0	oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B							
	AMSOL			3.0	% v/v	POST	B							
9	CZ-3929GTLL							99.0	99.0	5.0	0.0	99.0	99.0	
	ZIDUA	4.17	SC	3.5	oz/a	PRE	A							
	LIBERTY	2.34	SL	32.0	oz/a	POST	B							
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B							
	OUTLOOK	6	EC	12.0	oz/a	POST	B							
	AMSOL			3.0	% v/v	POST	B							
10	XBP51010E							99.0	85.0	15.0	0.0	99.0	99.0	
	ENLIST ONE	3.8	SL	24.0	oz/a	PRE	A							
	ENVIVE	41.3	SG	2.5	oz/a	PRE	A							
	ENLIST DUO	3.3	SL	56.0	oz/a	POST	B							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B							
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C							
	AMSOL			3.0	% v/v	LPOST	C							
11	XBP51010E							99.0	80.0	20.0	5.0	99.0	99.0	
	ENLIST ONE	3.8	SL	24.0	oz/a	PRE	A							
	ENVIVE	41.3	SG	2.5	oz/a	PRE	A							
	ENLIST DUO	3.3	SL	56.0	oz/a	POST	B							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B							
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C							
	AMSOL			3.0	% v/v	LPOST	C							
12	5190E3							99.0	80.0	25.0	5.0	99.0	99.0	
	ENLIST ONE	3.8	SL	24.0	oz/a	PRE	A							
	ENVIVE	41.3	SG	2.5	oz/a	PRE	A							
	ENLIST DUO	3.3	SL	56.0	oz/a	POST	B							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B							
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C							
	AMSOL			3.0	% v/v	LPOST	C							
LSD P=.10							.	.	.	.	.	.	.	
Standard Deviation							.	.	.	.	.	.	.	.
CV							.	.	.	.	.	.	.	
Grand Mean							98.67	94.33	10.83	3.33	99.00	99.00		
Bartlett's X2							.	.	.	.	.	.	.	
P(Bartlett's X2)							.	.	.	.	.	.	.	

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.  
 Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 because error mean square = 0.

# University of Georgia

XTEND/XTENDFLEX/ENLIST SOYBEAN WEED CONTROL SYSTEMS DEMONSTRATION (NON-REPLICATED) Trial ID: SB-02-19      Study Dir.: MARK BRAXTON (2019-01-B7-07) Location: PONDER FARM      Investigator: Eric P. Prostko						AMAPA ----- Control Percent Jul-22-19	AGRASS ----- Control Percent Jul-22-19	----- GLYMA GREEN S STEM PERCENT Oct-10-19	----- GLYMA YIELD - LBS/PLOT Oct-10-19	----- GLYMA MOISTURE PERCENT Oct-10-19	----- GLYMA YIELD - BU/A Oct-10-19 TY1 - 1		
Weed Code				- 1	- 1	- 1							
Crop Code													
Part Rated													
Rating Data Type													
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	13	14	15	16	17	18
1	AG 56X8							99.0	99.0	77.0	47.7	12.8	27.5
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A						
	WARRANT	3	ME	48.0	oz/a	PRE	A						
	MAULER	4	SC	8.0	oz/a	PRE	A						
	INTACT			0.5	% v/v	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	ME	48.0	oz/a	POST	B						
	INTACT			0.5	% v/v	POST	B						
	CLASS ACT RIDION			1.0	% v/v	POST	B						
2	AG 59X9							99.0	99.0	0.0	51.4	10.0	29.7
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A						
	WARRANT	3	ME	48.0	oz/a	PRE	A						
	MAULER	4	SC	8.0	oz/a	PRE	A						
	INTACT			0.5	% v/v	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	ME	48.0	oz/a	POST	B						
	INTACT			0.5	% v/v	POST	B						
	CLASS ACT RIDION			1.0	% v/v	POST	B						
3	AG 64X8							99.0	99.0	0.0	50.3	11.9	29.0
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A						
	WARRANT	3	ME	48.0	oz/a	PRE	A						
	MAULER	4	SC	8.0	oz/a	PRE	A						
	INTACT			0.5	% v/v	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	ME	48.0	oz/a	POST	B						
	INTACT			0.5	% v/v	POST	B						
	CLASS ACT RIDION			1.0	% v/v	POST	B						
4	AG 72XFO							99.0	99.0	0.0	45.6	12.3	26.3
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	ME	48.0	oz/a	POST	B						
	INTACT			0.5	% v/v	POST	B						
	CLASS ACT RIDION			1.0	% v/v	POST	B						
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C						
	AMSOL			3.0	% v/v	LPOST	C						
5	AG 69XFO							99.0	99.0	0.0	46.9	12.0	27.1
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	ME	48.0	oz/a	POST	B						
	INTACT			0.5	% v/v	POST	B						
	CLASS ACT RIDION			1.0	% v/v	POST	B						
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C						
	AMSOL			3.0	% v/v	LPOST	C						

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.  
 Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 because error mean square = 0.

# University of Georgia

XTEND/XTENDFLEX/ENLIST SOYBEAN WEED CONTROL SYSTEMS DEMONSTRATION (NON-REPLICATED)													
Trial ID: SB-02-19      Study Dir.: MARK BRAXTON (2019-01-B7-07)													
Location: PONDER FARM      Investigator: Eric P. Prostko													
Weed Code	AMAPA	AGRASS	GLYMA GREEN S STEM	GLYMA YIELD -	GLYMA MOISTURE	GLYMA YIELD -							
Crop Code	Control	Control	PERCENT	LBS/PLOT	PERCENT	YIELD -							
Part Rated	Percent	Percent	PERCENT	LBS/PLOT	PERCENT	YIELD -							
Rating Data Type	Jul-22-19	Jul-22-19	Oct-10-19	Oct-10-19	Oct-10-19	Oct-10-19							
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.				- 1	- 1	- 1							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	13	14	15	16	17	18
6	AG 61XFO							99.0	99.0	32.0	54.9	12.1	31.7
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	PRE	A						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A						
	XTENDIMAX + VG	2.9	SL	22.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	ME	48.0	oz/a	POST	B						
	INTACT			0.5	% v/v	POST	B						
	CLASS ACT RIDION			1.0	% v/v	POST	B						
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C						
	AMSOL			3.0	% v/v	LPOST	C						
7	SH-7418LL							99.0	99.0	17.0	49.0	14.8	28.3
	ZIDUA	4.17	SC	3.5	oz/a	PRE	A						
	LIBERTY	2.34	SL	32.0	oz/a	POST	B						
	OUTLOOK	6	EC	12.0	oz/a	POST	B						
	AMSOL			3.0	% v/v	POST	B						
8	BECKS 4628FPO LLGT27							95.0	99.0	50.0	38.7	13.0	22.3
	ZIDUA	4.17	SC	3.5	oz/a	PRE	A						
	LIBERTY	2.34	SL	32.0	oz/a	POST	B						
	OUTLOOK	6	EC	12.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	AMSOL			3.0	% v/v	POST	B						
9	CZ-3929GTLL							95.0	99.0	60.0	34.8	13.1	20.1
	ZIDUA	4.17	SC	3.5	oz/a	PRE	A						
	LIBERTY	2.34	SL	32.0	oz/a	POST	B						
	ROUNDUP P-MAX II	5.5	SL	32.0	oz/a	POST	B						
	OUTLOOK	6	EC	12.0	oz/a	POST	B						
	AMSOL			3.0	% v/v	POST	B						
10	XBP51010E							99.0	99.0	38.0	45.3	12.8	26.1
	ENLIST ONE	3.8	SL	24.0	oz/a	PRE	A						
	ENVIVE	41.3	SG	2.5	oz/a	PRE	A						
	ENLIST DUO	3.3	SL	56.0	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B						
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C						
	AMSOL			3.0	% v/v	LPOST	C						
11	XBP51010E							99.0	99.0	41.0	52.3	12.4	30.2
	ENLIST ONE	3.8	SL	24.0	oz/a	PRE	A						
	ENVIVE	41.3	SG	2.5	oz/a	PRE	A						
	ENLIST DUO	3.3	SL	56.0	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B						
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C						
	AMSOL			3.0	% v/v	LPOST	C						
12	5190E3							95.0	99.0	28.0	46.0	13.1	26.6
	ENLIST ONE	3.8	SL	24.0	oz/a	PRE	A						
	ENVIVE	41.3	SG	2.5	oz/a	PRE	A						
	ENLIST DUO	3.3	SL	56.0	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	B						
	LIBERTY	2.34	SL	32.0	oz/a	LPOST	C						
	AMSOL			3.0	% v/v	LPOST	C						
LSD P=.10								.	.	.	.	.	.
Standard Deviation								.	.	.	.	.	.
CV								.	.	.	.	.	.
Grand Mean								98.00	99.00	28.58	46.91	12.53	27.07
Bartlett's X2								.	.	.	.	.	.
P(Bartlett's X2)								.	.	.	.	.	.

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.  
 Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 because error mean square = 0.

# University of Georgia

XTEND/XTENDFLEX/ENLIST SOYBEAN WEED CONTROL SYSTEMS  
DEMONSTRATION (NON-REPLICATED)  
Trial ID: SB-02-19 Study Dir.: MARK BRAXTON (2019-01-B7-07)  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.  
Part Rated  
Leaf = LEAF / FOLIAGE  
PRM Data Type  
TY1 = 0.5771839\*[16]