

# University of Georgia

XTEND VS LIBERTY WEED CONTROL  
SYSTEMS FOR SOYBEAN WEED CONTROL

Trial ID: SB-08-17      Study Dir.: CHRIS CORKERN (2017-01-B7-02)  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

Reps: 4      Plots: 6 by 25 feet  
Spray vol: 12 GAL/AC      Mix Size: 1.5 liters (.62569 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Amt Product to Measure	Rep			
								1	2	3	4
1	ASGROW AG59X7 NTC							101	205	304	402
2	ASGROW AG59X7 ROWEL FX INTACT	40.3 WG		3.0 oz/a	PRE	A	2.808 g/mx	102	201	305	401
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	7.499 ml/mx				
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	31.25 ml/mx				
							21.48 ml/mx				
3	ASGROW AG59X7 WARRANT ULTRA	3.45 CS		50.0 oz/a	PRE	A	48.82 ml/mx	103	202	303	405
	XTENDIMAX + VG INTACT	2.9 SL		22.0 oz/a	PRE	A	21.48 ml/mx				
							7.499 ml/mx				
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	31.25 ml/mx				
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	21.48 ml/mx				
4	ASGROW AG59X7 METRIBUZIN	75 DG		5.0 oz/a	PRE	A	4.681 g/mx	104	203	301	404
	WARRANT	3 CS		48.0 oz/a	PRE	A	46.87 ml/mx				
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A	21.48 ml/mx				
	INTACT						7.499 ml/mx				
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	31.25 ml/mx				
	XTENDIMAX + VG	2.9 SL		22.0 oz/a	POST	B	21.48 ml/mx				
	WARRANT ULTRA	3.45 CS		50.0 oz/a	POST	B	48.82 ml/mx				
5	ASGROW AG59X7 DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	15.62 ml/mx	105	204	302	403
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	31.25 ml/mx				
	REFLEX	2 SL		20.0 oz/a	POST	B	19.53 ml/mx				
6	CREDENZ CZ6109LL NTC							106	207	310	408
7	CREDENZ CZ6109LL PREFIX	5.29 SL		32.0 oz/a	PRE	A	31.25 ml/mx	107	208	309	410
	LIBERTY 280	2.34 SL		29.0 oz/a	POST	B	28.32 ml/mx				
8	CREDENZ CZ6109LL PREFIX	5.29 SL		32.0 oz/a	PRE	A	31.25 ml/mx	108	209	307	406
	METRIBUZIN	75 DG		5.0 oz/a	PRE	A	4.681 g/mx				
	LIBERTY 280	2.34 SL		29.0 oz/a	POST	B	28.32 ml/mx				
9	CREDENZ CZ6109LL FIERCE	76 WG		3.0 oz/a	PRE	A	2.808 g/mx	109	210	306	407
	LIBERTY 280	2.34 SL		29.0 oz/a	POST	B	28.32 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B	15.62 ml/mx				
10	CREDENZ CZ6109LL DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	15.62 ml/mx	110	206	308	409
	LIBERTY 280	2.34 SL		29.0 oz/a	POST	B	28.32 ml/mx				
	REFLEX	2 SL		20.0 oz/a	POST	B	19.53 ml/mx				

Sort Order: Treatment

Trial Comments

**12 GPA FOR THIS TEST**

**TTI002 FOR ALL PRE'S**

**UST TTI NOZZLES FOR DICAMBA AND AIXR FOR LIBERTY (POST-B)**  
**PUT INTACT IN FIRST!**

WARRANT ULTRA = ACETOCHLOR (2.82 LBS) + FOMESAFEN (0.63 LBS)  
PREFIX = FOMESAFEN (0.95) + S-MOC (4.34 LBS)  
FIERCE = FLUMIOXAZIN (33.5%) + PYROXASULFONE (42.5%)

INTREPID EDGE @ 6 OZ/A - AUGUST 16 FOR LOOPERS/GREEN CLOVERWORMS

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### SUMMARY:

- 1) ALL PRE HERBICIDES CAUSED SLIGHT SOYBEAN STUNTING. ROWEL SX WAS SLIGHTLY MORE INJURIOUS.
- 2) AT 7 DAT, ROUNDUP P-MAX + XTENDIMAX + INTACT CAUSED SIGHT SOYBEAN LEAF BURN (9-10%)
- 3) AT 7 DAT, ROUNDUP P-MAX + XTENDIMAX + WARRANT ULTRA + INTACT CAUSED 24% LEAF BURN.
- 4) AT 7 DAT, LIBERTY + DUAL CAUSED 18% LEAF BURN AND LIBERTY + REFLEX CAUSED 26% LEAF BURN.
- 5) ON AUGUST 16 (77 DAP), ALL XTEND AND LIBERTY WEED CONTROL PROGRAMS PROVIDED EXCELLENT CONTROL (> 93%) OF PALMER AMARANTH, FLORIDA BEGGARWEED, AND ANNUAL GRASSES WITH THE EXCEPTION OF PREFIX (PRE) FB LIBERTY (POST) WHICH ONLY PROVIDED 85% CONTROL OF FLORIDA BEGGARWEED.
- 6) YIELD DAT WAS NOT COLLECTED DUE TO EXCESSIVE DEER DAMAGE.

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XTEND VS LIBERTY WEED CONTROL  
SYSTEMS FOR SOYBEAN WEED CONTROL

Trial ID: SB-08-17      Study Dir.: CHRIS CORKERN (2017-01-B7-02)  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

**Study Director:** CHRIS CORKERN (2017-01-B7-02)      **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. MILLET/CRAB/CROW/GOOSE  
**Weed 3.** DEDTO FL BEGGARWEED      **4.** IAQTA      SMALLFLOWER MG  
**Weed 5.** CASOB SICKLEPOD      **6.** \_\_\_\_\_

**Crop 1:** GLYMA SOYBEAN      **Variety:** AG59X7/CZ6109LL      **Planting Date:** May-31-17  
**Planting Method:** MONOSEM      **Rate:** 126324 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:** \_\_\_\_\_

<b>Previous: Crops</b>	<b>Pesticides</b>	<b>Year</b>
1. FALLOW	2016	_____

### MAINTENANCE

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

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

### SOIL DESCRIPTION

**Texture:** LOAMY SAND      **% OM:** \_\_\_\_\_      **% Sand:** \_\_\_\_\_      **% Silt:** \_\_\_\_\_      **% Clay:** \_\_\_\_\_  
**pH:** \_\_\_\_\_      **CEC:** \_\_\_\_\_      **Soil Name:** DOTHAN      **Fertility Level:** GOOD

### MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Jun-1-17	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
2. Jun-2-17	_____	0.4	IN	RAINFALL	_____	_____
3. Jun-3-17	_____	2.88	IN	RAINFALL	_____	_____
4. Jun-4-17	_____	0.01	IN	RAINFALL	_____	_____
5. Jun-5-17	_____	0.59	IN	RAINFALL	_____	_____
6. Jun-6-17	_____	0.19	IN	RAINFALL	_____	_____
7. Jun-7-17	_____	0.92	IN	RAINFALL	_____	_____
8. Jun-12-17	_____	0.07	IN	RAINFALL	_____	_____
9. Jun-14-17	_____	0.01	IN	RAINFALL	_____	_____
10. Jun-15-17	_____	0.53	IN	RAINFALL	_____	_____
11. Jun-16-17	_____	0.1	IN	RAINFALL	_____	_____
12. Jun-17-17	_____	0.88	IN	RAINFALL	_____	_____
13. Jun-19-17	_____	0.96	IN	RAINFALL	_____	_____
14. Jun-20-17	_____	1.57	IN	RAINFALL	_____	_____
15. Jun-21-17	_____	0.38	IN	RAINFALL	_____	_____
16. Jun-22-17	_____	0.01	IN	RAINFALL	_____	_____
17. Jun-25-17	_____	0.13	IN	RAINFALL	_____	_____
18. Jun-29-17	_____	0.03	IN	RAINFALL	_____	_____
19. Jun-30-17	_____	0.8	IN	RAINFALL	_____	_____
20. Jul-1-17	_____	0.01	IN	RAINFALL	_____	_____

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

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-31-17	Jun-23-17		_____	_____	_____	_____
Time of Day:	10:00 AM	8:30 AM		_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST		_____	_____	_____	_____
Application Timing:	PRE	POST		_____	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE		_____	_____	_____	_____
Air Temp., Unit:	77 F	F	81 F	_____	_____	_____	_____
% Relative Humidity:	78		84	_____	_____	_____	_____
Wind Velocity, Unit:	0 MPH	1 MPH		_____	_____	_____	_____
Dew Presence (Y/N):	N	Y		_____	_____	_____	_____
Water Hardness:	--			_____	_____	_____	_____
Soil Temp., Unit:	78 F	F	79 F	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	WET		_____	_____	_____	_____
% Cloud Cover:	100	100		_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1 Stage:	GLYMA	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	V4	_____	_____	_____	_____
Height, Unit:		_____	7 IN	_____	_____	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1 Stage:	AMAPA	_____	1"	_____	_____	_____	_____
Stage Scale:		_____		_____	_____	_____	_____
Density, Unit:		_____		_____	_____	_____	_____
Weed 2 Stage:	AGRASS	_____	2"	_____	_____	_____	_____
Stage Scale:		_____		_____	_____	_____	_____
Density, Unit:		_____		_____	_____	_____	_____
Weed 3 Stage:	DEDTO	_____	1-2"	_____	_____	_____	_____
Stage Scale:		_____		_____	_____	_____	_____
Density, Unit:		_____		_____	_____	_____	_____
Weed 4 Stage:	IAQTA	_____	1-2"	_____	_____	_____	_____
Stage Scale:		_____		_____	_____	_____	_____
Density, Unit:		_____		_____	_____	_____	_____
Weed 5 Stage:	CASOB	_____	1-5"	_____	_____	_____	_____
Stage Scale:		_____		_____	_____	_____	_____
Density, Unit:		_____		_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK		_____	_____	_____	_____
Operating Pressure:	27	30		_____	_____	_____	_____
Nozzle Type:	TTI	TTI/AIXR		_____	_____	_____	_____
Nozzle Size:	02	02		_____	_____	_____	_____
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.:	_____	_____		_____	_____	_____	_____
Inc. Depth, Unit:	_____	_____		_____	_____	_____	_____
Carrier:	WATER	WATER		_____	_____	_____	_____
Spray Volume, Unit:	12	GPA	13 GPA	_____	_____	_____	_____
Spray pH:	_____	_____		_____	_____	_____	_____
Propellant:	CO2	CO2		_____	_____	_____	_____
Tank Mix (Y/N):	-	-		_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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XTEND VS LIBERTY WEED CONTROL SYSTEMS FOR SOYBEAN WEED CONTROL							
Trial ID: SB-08-17		Study Dir.: CHRIS CORKERN (2017-01-B7-02)					
Location: ATTAPULGUS		Investigator: Eric P. Prostko					
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date		
						----- GLYMA CROP - STUNTING PERCENT Jun-13-17	
						IAQTA ----- CONTROL PERCENT Jun-13-17	
						CASOB ----- CONTROL PERCENT Jun-13-17	
						DEDTO ----- CONTROL PERCENT Jun-13-17	
						AMAPA ----- CONTROL PERCENT Jun-13-17	
						----- GLYMA CROP - STUNTING PERCENT Jun-23-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	
							1
							2
							3
							4
							5
							6
1	ASGROW AG59X7 NTC						0.0 b
2	ASGROW AG59X7 ROWEL FX INTACT	40.3	WG	3.0 oz/a	PRE	A	7.5 a
	ROUNDUP P-MAX XTENDIMAX + VG	5.5	SL	32.0 oz/a	POST	B	100.0 a
		2.9	SL	22.0 oz/a	POST	B	82.5 ab
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT	3.45	CS	50.0 oz/a	PRE	A	7.5 a
	ROUNDUP P-MAX XTENDIMAX + VG	2.9	SL	22.0 oz/a	POST	B	95.0 ab
		5.5	SL	32.0 oz/a	POST	B	62.5 bc
		2.9	SL	22.0 oz/a	POST	B	92.5 b
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT	75	DG	5.0 oz/a	PRE	A	7.5 a
	ROUNDUP P-MAX XTENDIMAX + VG	3	CS	48.0 oz/a	PRE	A	96.3 ab
		2.9	SL	22.0 oz/a	POST	B	50.0 cd
				0.5 % v/v	POST	B	92.5 b
		5.5	SL	32.0 oz/a	POST	B	100.0 a
		2.9	SL	22.0 oz/a	POST	B	0.0 b
		3.45	CS	50.0 oz/a	POST	B	0.0 b
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62	EC	16.0 oz/a	PRE	A	7.5 a
		5.5	SL	32.0 oz/a	POST	B	87.5 c
		2	SL	20.0 oz/a	POST	B	25.0 e
							50.0 c
							100.0 a
							0.0 b
6	CREDENZ CZ6109LL NTC						0.0 b
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29	SL	32.0 oz/a	PRE	A	7.5 a
		2.34	SL	29.0 oz/a	POST	B	91.3 bc
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29	SL	32.0 oz/a	PRE	A	10.0 a
		75	DG	5.0 oz/a	PRE	A	98.8 a
		2.34	SL	29.0 oz/a	POST	B	73.8 ab
							95.0 ab
							100.0 a
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76	WG	3.0 oz/a	PRE	A	10.0 a
		2.34	SL	29.0 oz/a	POST	B	100.0 a
		7.62	EC	16.0 oz/a	POST	B	95.0 a
							100.0 a
							100.0 a
							2.5 b
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62	EC	16.0 oz/a	PRE	A	7.5 a
		2.34	SL	29.0 oz/a	POST	B	88.8 c
		2	SL	20.0 oz/a	POST	B	37.5 de
							50.0 c
							100.0 a
							0.0 b
LSD P=.10							4.40
Standard Deviation							3.65
CV							56.18
Grand Mean							6.50
Bartlett's X2							0.0
P(Bartlett's X2)							.
Replicate F							2.250
Replicate Prob(F)							0.1053
Treatment F							3.833
Treatment Prob(F)							0.0032
							5.14
							4.27
							5.64
							75.75
							6.152
							0.292
							1.964
							0.1431
							353.772
							0.0001
							23.07
							19.16
							40.98
							46.75
							6.47
							0.486
							5.31
							4.41
							7.0
							63.00
							0.152
							0.927
							.0000
							0.2993
							318.800
							0.0001
							0.0000
							1.0000
							0.844
							0.4820
							5.250
							0.0004

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=11  
 Could not calculate LSD (% mean diff) for columns 5,7,13,17,19 because error mean square = 0.

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Weed Code					AMAPA	IAQTA	DEDTO	CASOB	GLYMA CROP -	GLYMA LEAF -		
Crop Code					-----	-----	-----	-----	-----	-----		
Part Rated					CONTROL	CONTROL	CONTROL	CONTROL	STUNTING	BURN		
Rating Data Type					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Unit					Jun-23-17	Jun-23-17	Jun-23-17	Jun-23-17	Jun-30-17	Jun-30-17		
Rating Date					7	8	9	10	11	12		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code						
1	ASGROW AG59X7 NTC						0.0 b	0.0 f	0.0 d	0.0 d	0.0 c	0.0 d
2	ASGROW AG59X7 ROWEL FX INTACT	40.3	WG	3.0 oz/a	PRE	A	100.0 a	97.5 a	98.8 a	76.3 a	11.3 ab	9.0 c
	ROUNDUP P-MAX XTENDIMAX + VG	5.5	SL	32.0 oz/a	POST	B						
		2.9	SL	22.0 oz/a	POST	B						
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT	3.45	CS	50.0 oz/a	PRE	A	100.0 a	90.0 ab	100.0 a	40.0 bc	6.7 bc	10.0 c
	ROUNDUP P-MAX XTENDIMAX + VG	2.9	SL	22.0 oz/a	PRE	A						
				0.5 % v/v	POST	B						
		5.5	SL	32.0 oz/a	POST	B						
		2.9	SL	22.0 oz/a	POST	B						
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT	75	DG	5.0 oz/a	PRE	A	100.0 a	92.5 ab	100.0 a	43.8 bc	11.3 ab	23.8 a
	ROUNDUP P-MAX XTENDIMAX + VG	3	CS	48.0 oz/a	PRE	A						
		2.9	SL	22.0 oz/a	PRE	A						
				0.5 % v/v	POST	B						
		5.5	SL	32.0 oz/a	POST	B						
		2.9	SL	22.0 oz/a	POST	B						
		3.45	CS	50.0 oz/a	POST	B						
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62	EC	16.0 oz/a	PRE	A	100.0 a	53.8 e	37.5 c	21.3 cd	8.8 bc	26.3 a
		5.5	SL	32.0 oz/a	POST	B						
		2	SL	20.0 oz/a	POST	B						
6	CREDENZ CZ6109LL NTC						0.0 b	0.0 f	0.0 d	0.0 d	0.0 c	0.0 d
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29	SL	32.0 oz/a	PRE	A	100.0 a	80.0 cd	57.5 b	70.0 ab	8.8 bc	0.0 d
		2.34	SL	29.0 oz/a	POST	B						
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29	SL	32.0 oz/a	PRE	A	100.0 a	86.3 bc	100.0 a	77.5 a	7.5 bc	2.5 d
		75	DG	5.0 oz/a	PRE	A						
		2.34	SL	29.0 oz/a	POST	B						
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76	WG	3.0 oz/a	PRE	A	100.0 a	98.8 a	100.0 a	80.0 a	20.0 a	17.5 b
		2.34	SL	29.0 oz/a	POST	B						
		7.62	EC	16.0 oz/a	POST	B						
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62	EC	16.0 oz/a	PRE	A	100.0 a	76.3 d	35.0 c	31.3 c	10.0 b	26.3 a
		2.34	SL	29.0 oz/a	POST	B						
		2	SL	20.0 oz/a	POST	B						
LSD P=.10					.	9.58	13.87	30.42	9.63	4.43		
Standard Deviation					0.00	7.96	11.52	25.26	7.99	3.68		
CV					0.0	11.79	18.32	57.4	94.91	31.91		
Grand Mean					80.00	67.50	62.88	44.00	8.42	11.53		
Bartlett's X2					0.0	11.422	11.876	4.701	15.208	6.959		
P(Bartlett's X2)					.	0.121	0.008*	0.696	0.019*	0.325		
Replicate F					0.000	1.132	0.595	1.084	1.084	1.062		
Replicate Prob(F)					1.0000	0.3539	0.6236	0.3725	0.3733	0.3817		
Treatment F					0.000	90.482	54.127	6.063	2.079	36.391		
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	0.0701	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=11

Could not calculate LSD (% mean diff) for columns: 5,7,13,17,19 because error mean square = 0.

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					AMAPA	IAQTA	CASOB	DEDTO	AMAPA	AGRASS		
					-----	-----	-----	-----	-----	-----		
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	CONTROL PERCENT Jun-30-17	CONTROL PERCENT Jun-30-17	CONTROL PERCENT Jun-30-17	CONTROL PERCENT Jun-30-17	CONTROL PERCENT Jul-20-17	CONTROL PERCENT Jul-20-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code						
							13	14	15	16	17	18
1	ASGROW AG59X7 NTC						0.0 b	0.0 d	0.0 d	0.0 c	0.0 b	0.0 c
2	ASGROW AG59X7 ROWEL FX INTACT	40.3 WG		3.0 oz/a	PRE	A	100.0 a	98.8 ab	92.5 bc	100.0 a	100.0 a	98.8 a
	ROUNDUP P-MAX XTENDIMAX + VG	5.5 SL		32.0 oz/a	POST	B						
		2.9 SL		22.0 oz/a	POST	B						
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT	3.45 CS		50.0 oz/a	PRE	A	100.0 a	100.0 a	95.0 ab	100.0 a	100.0 a	98.8 a
	ROUNDUP P-MAX XTENDIMAX + VG	2.9 SL		22.0 oz/a	PRE	A						
				0.5 % v/v	POST	B						
		5.5 SL		32.0 oz/a	POST	B						
		2.9 SL		22.0 oz/a	POST	B						
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT	75 DG		5.0 oz/a	PRE	A	100.0 a	98.8 ab	95.0 ab	100.0 a	100.0 a	100.0 a
	ROUNDUP P-MAX XTENDIMAX + VG	3 CS		48.0 oz/a	PRE	A						
		2.9 SL		22.0 oz/a	PRE	A						
				0.5 % v/v	POST	B						
		5.5 SL		32.0 oz/a	POST	B						
		2.9 SL		22.0 oz/a	POST	B						
		3.45 CS		50.0 oz/a	POST	B						
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62 EC		16.0 oz/a	PRE	A	100.0 a	97.5 ab	96.3 ab	97.5 b	100.0 a	98.8 a
		5.5 SL		32.0 oz/a	POST	B						
		2 SL		20.0 oz/a	POST	B						
6	CREDENZ CZ6109LL NTC						0.0 b	0.0 d	0.0 d	0.0 c	0.0 b	0.0 c
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29 SL		32.0 oz/a	PRE	A	100.0 a	92.5 c	93.8 abc	97.5 b	100.0 a	98.8 a
		2.34 SL		29.0 oz/a	POST	B						
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29 SL		32.0 oz/a	PRE	A	100.0 a	92.5 c	97.5 a	100.0 a	100.0 a	92.5 b
		75 DG		5.0 oz/a	PRE	A						
		2.34 SL		29.0 oz/a	POST	B						
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76 WG		3.0 oz/a	PRE	A	100.0 a	95.0 bc	95.0 ab	98.8 ab	100.0 a	100.0 a
		2.34 SL		29.0 oz/a	POST	B						
		7.62 EC		16.0 oz/a	POST	B						
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62 EC		16.0 oz/a	PRE	A	100.0 a	95.0 bc	90.0 c	100.0 a	100.0 a	100.0 a
		2.34 SL		29.0 oz/a	POST	B						
		2 SL		20.0 oz/a	POST	B						
LSD	P=.10						.	3.83	4.93	1.82	.	3.09
	Standard Deviation						0.00	3.18	4.09	1.51	0.00	2.56
	CV						0.0	4.13	5.42	1.91	0.0	3.26
	Grand Mean						80.00	77.00	75.50	79.38	80.00	78.75
	Bartlett's X2						0.0	5.299	4.296	0.078	0.0	5.387
	P(Bartlett's X2)						.	0.381	0.508	0.962	.	0.25
	Replicate F						0.000	2.972	0.696	1.000	0.000	1.141
	Replicate Prob(F)						1.0000	0.0494	0.5625	0.4079	1.0000	0.3504
	Treatment F						0.000	655.349	378.912	3056.515	0.000	1051.056
	Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	1.0000	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=11  
 Could not calculate LSD (% mean diff) for columns: 5,7,13,17,19 because error mean square = 0.

# University of Georgia

Weed Code						AMAPA	DEDTO	AGRASS	
Crop Code						-----	-----	-----	
Part Rated									
Rating Data Type						CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	
Rating Date						Aug-16-17	Aug-16-17	Aug-16-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	19	20	21
1	ASGROW AG59X7 NTC						0.0 b	0.0 d	0.0 c
2	ASGROW AG59X7 ROWEL FX INTACT ROUNDUP P-MAX XTENDIMAX + VG	40.3	WG	3.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a	PRE POST POST POST	A B B B	100.0 a	98.8 a	95.0 a
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG	3.45 2.9	CS SL	50.0 oz/a 22.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a	PRE PRE POST POST POST	A A B B B	100.0 a	98.8 a	94.8 a
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG WARRANT ULTRA	75 3 2.9	DG CS SL	5.0 oz/a 48.0 oz/a 22.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a 50.0 oz/a	PRE PRE PRE POST POST POST POST	A A A B B B B	100.0 a	100.0 a	96.0 a
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62 5.5 2	EC SL SL	16.0 oz/a 32.0 oz/a 20.0 oz/a	PRE POST POST	A B B	100.0 a	90.0 bc	94.8 a
6	CREDENZ CZ6109LL NTC						0.0 b	0.0 d	0.0 c
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29 2.34	SL SL	32.0 oz/a 29.0 oz/a	PRE POST	A B	100.0 a	85.0 c	96.0 a
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29 75 2.34	SL DG SL	32.0 oz/a 5.0 oz/a 29.0 oz/a	PRE PRE POST	A A B	100.0 a	96.3 a	90.0 b
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76 2.34 7.62	WG SL EC	3.0 oz/a 29.0 oz/a 16.0 oz/a	PRE POST POST	A B B	100.0 a	100.0 a	93.8 a
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62 2.34 2	EC SL SL	16.0 oz/a 29.0 oz/a 20.0 oz/a	PRE POST POST	A B B	100.0 a	95.0 ab	95.0 a
LSD P=.10							5.13	2.89	
Standard Deviation						0.00	4.26	2.40	
CV						0.0	5.57	3.17	
Grand Mean						80.00	76.38	75.53	
Bartlett's X2						0.0	8.553	5.085	
P(Bartlett's X2)						.	0.073	0.406	
Replicate F						0.000	1.230	4.006	
Replicate Prob(F)						1.0000	0.3181	0.0176	
Treatment F						0.000	362.563	1104.760	
Treatment Prob(F)						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=11  
 Could not calculate LSD (% mean diff) for columns: 5,7,13,17,19 because error mean square = 0.



# University of Georgia

XTEND VS LIBERTY WEED CONTROL  
SYSTEMS FOR SOYBEAN WEED CONTROL  
Trial ID: SB-08-17 Study Dir.: CHRIS CORKERN (2017-01-B7-02)  
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code  
IAQTA = MORNINGGLORY, SMALLFLOWER / JACQUEMONTIA TAMNIFOLIA (L.) GRISEB.  
CASOB = SICKLEPOD / CASSIA OBTUSIFOLIA L.  
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
Part Rated  
LEAF = LEAF / FOLIAGE

# University of Georgia

XTEND VS LIBERTY WEED CONTROL SYSTEMS FOR SOYBEAN WEED CONTROL													
Trial ID: SB-08-17		Study Dir.: CHRIS CORKERN (2017-01-B7-02)											
Location: ATTAPULGUS		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- GLYMA CROP - STUNTING PERCENT Jun-13-17	IAQTA ----- CONTROL PERCENT Jun-13-17	CASOB ----- CONTROL PERCENT Jun-13-17	DEDTO ----- CONTROL PERCENT Jun-13-17	AMAPA ----- CONTROL PERCENT Jun-13-17	GLYMA CROP - STUNTING PERCENT Jun-23-17		
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6	
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot					
1	ASGROW AG59X7 NTC							101 205 304 402 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
2	ASGROW AG59X7 ROWEL FX INTACT ROUNDUP P-MAX XTENDIMAX + VG	40.3 WG 5.5 SL 2.9 SL		3.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a		PRE A POST B POST B POST B	A B B B	102 201 305 401 Mean =	10.0 0.0 10.0 10.0 7.5	100.0 100.0 100.0 100.0 100.0	100.0 50.0 95.0 85.0 82.5	100.0 100.0 100.0 100.0 100.0	20.0 0.0 20.0 10.0 12.5
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG	3.45 CS 2.9 SL 5.5 SL 2.9 SL		50.0 oz/a 22.0 oz/a 32.0 oz/a 22.0 oz/a		PRE A PRE A 0.5 % v/v POST B POST B	A A B B B	103 202 303 405 Mean =	0.0 10.0 10.0 10.0 7.5	100.0 95.0 85.0 100.0 95.0	85.0 50.0 65.0 50.0 62.5	85.0 100.0 85.0 100.0 92.5	0.0 0.0 0.0 0.0 0.0
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG WARRANT ULTRA	75 DG 3 CS 2.9 SL 5.5 SL 2.9 SL 3.45 CS		5.0 oz/a 48.0 oz/a 22.0 oz/a 32.0 oz/a 22.0 oz/a 50.0 oz/a		PRE A PRE A PRE A 0.5 % v/v POST B POST B POST B POST B	A A A B B B B B	104 203 301 404 Mean =	0.0 10.0 10.0 10.0 7.5	95.0 95.0 95.0 100.0 96.3	75.0 75.0 0.0 50.0 50.0	85.0 85.0 100.0 100.0 92.5	0.0 0.0 0.0 0.0 0.0
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62 EC 5.5 SL 2 SL		16.0 oz/a 32.0 oz/a 20.0 oz/a		PRE A POST B POST B	A B B	105 204 302 403 Mean =	0.0 10.0 10.0 10.0 7.5	85.0 85.0 95.0 85.0 87.5	50.0 50.0 0.0 0.0 25.0	50.0 50.0 50.0 50.0 50.0	0.0 0.0 0.0 0.0 0.0
6	CREDENZ CZ6109LL NTC							106 207 310 408 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29 SL 2.34 SL		32.0 oz/a 29.0 oz/a		PRE A POST B	A B	107 208 309 410 Mean =	10.0 0.0 10.0 10.0 7.5	85.0 85.0 95.0 100.0 91.3	50.0 50.0 0.0 65.0 41.3	50.0 50.0 50.0 50.0 50.0	0.0 0.0 0.0 0.0 0.0
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29 SL 75 DG 2.34 SL		32.0 oz/a 5.0 oz/a 29.0 oz/a		PRE A PRE A POST B	A A B	108 209 307 406 Mean =	10.0 10.0 10.0 10.0 10.0	95.0 100.0 100.0 100.0 98.8	95.0 85.0 65.0 50.0 73.8	95.0 85.0 100.0 100.0 95.0	0.0 0.0 0.0 0.0 0.0
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76 WG 2.34 SL 7.62 EC		3.0 oz/a 29.0 oz/a 16.0 oz/a		PRE A POST B POST B	A B B	109 210 306 407 Mean =	10.0 10.0 10.0 10.0 10.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 95.0 85.0 95.0	100.0 100.0 100.0 100.0 100.0	0.0 0.0 0.0 10.0 2.5
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62 EC 2.34 SL 2 SL		16.0 oz/a 29.0 oz/a 20.0 oz/a		PRE A POST B POST B	A B B	110 206 308 409 Mean =	10.0 0.0 10.0 10.0 7.5	85.0 85.0 85.0 100.0 88.8	50.0 50.0 0.0 50.0 37.5	50.0 50.0 50.0 50.0 50.0	0.0 0.0 0.0 0.0 0.0

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jun-23-17	IAQTA ----- CONTROL PERCENT Jun-23-17	DEDTO ----- CONTROL PERCENT Jun-23-17	CASOB ----- CONTROL PERCENT Jun-23-17	----- GLYMA CROP - STUNTING PERCENT Jun-30-17	----- GLYMA LEAF - BURN PERCENT Jun-30-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	7	8	9	10	11	12	
1	ASGROW AG59X7 NTC					101 205 304 402 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
2	ASGROW AG59X7 ROWEL FX INTACT ROUNDUP P-MAX XTENDIMAX + VG	40.3 5.5 2.9	WG SL SL	3.0 32.0 22.0	oz/a oz/a oz/a	PRE A POST B POST B POST B	102 201 305 401 Mean =	100.0 100.0 100.0 100.0 100.0	90.0 100.0 100.0 100.0 97.5	95.0 100.0 100.0 100.0 98.8	85.0 50.0 85.0 85.0 76.3	15.0 15.0 10.0 5.0 11.3	10.0 1.0 15.0 10.0 9.0
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG	3.45 2.9	CS SL	50.0 22.0	oz/a oz/a	PRE A PRE A POST B POST B POST B	103 202 303 405 Mean =	100.0 100.0 100.0 100.0 100.0	85.0 95.0 85.0 95.0 90.0	100.0 100.0 100.0 100.0 100.0	50.0 0.0 60.0 50.0 40.0	0.0 20.0 0.0 0.0 6.7	15.0 15.0 0.0 10.0 10.0
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG WARRANT ULTRA	75 3 2.9 5.5 2.9 3.45	DG CS SL SL SL CS	5.0 48.0 22.0 32.0 22.0 50.0	oz/a oz/a oz/a oz/a oz/a oz/a	PRE A PRE A PRE A POST B POST B POST B POST B POST B	104 203 301 404 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 90.0 100.0 85.0 92.5	100.0 100.0 100.0 100.0 100.0	50.0 75.0 0.0 50.0 43.8	5.0 20.0 10.0 10.0 11.3	25.0 25.0 25.0 20.0 23.8
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62 5.5 2	EC SL SL	16.0 32.0 20.0	oz/a oz/a oz/a	PRE A POST B POST B POST B	105 204 302 403 Mean =	100.0 100.0 100.0 100.0 100.0	50.0 65.0 50.0 50.0 53.8	50.0 50.0 50.0 0.0 37.5	0.0 85.0 0.0 0.0 21.3	5.0 10.0 10.0 10.0 8.8	25.0 25.0 25.0 30.0 26.3
6	CREDENZ CZ6109LL NTC					106 207 310 408 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29 2.34	SL SL	32.0 29.0	oz/a oz/a	PRE A POST B POST B	107 208 309 410 Mean =	100.0 100.0 100.0 100.0 100.0	85.0 85.0 65.0 85.0 80.0	50.0 65.0 65.0 50.0 57.5	85.0 95.0 50.0 50.0 70.0	5.0 15.0 5.0 10.0 8.8	0.0 0.0 0.0 0.0 0.0
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29 75 2.34	SL DG SL	32.0 5.0 29.0	oz/a oz/a oz/a	PRE A PRE A POST B POST B	108 209 307 406 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 75.0 85.0 90.0 86.3	100.0 100.0 100.0 100.0 100.0	90.0 85.0 85.0 50.0 77.5	5.0 15.0 10.0 0.0 7.5	10.0 0.0 0.0 0.0 2.5
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76 2.34 7.62	WG SL EC	3.0 29.0 16.0	oz/a oz/a oz/a	PRE A POST B POST B POST B	109 210 306 407 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 95.0 100.0 100.0 98.8	100.0 100.0 100.0 100.0 100.0	95.0 95.0 65.0 65.0 80.0	10.0 10.0 10.0 50.0 20.0	20.0 15.0 15.0 20.0 17.5
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62 2.34 2	EC SL SL	16.0 29.0 20.0	oz/a oz/a oz/a	PRE A POST B POST B POST B	110 206 308 409 Mean =	100.0 100.0 100.0 100.0 100.0	85.0 85.0 50.0 85.0 76.3	40.0 50.0 0.0 50.0 35.0	75.0 0.0 0.0 50.0 31.3	10.0 10.0 10.0 10.0 10.0	25.0 25.0 25.0 30.0 26.3

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jun-30-17	IAQTA ----- CONTROL PERCENT Jun-30-17	CASOB ----- CONTROL PERCENT Jun-30-17	DEDTO ----- CONTROL PERCENT Jun-30-17	AMAPA ----- CONTROL PERCENT Jul-20-17	AGRASS ----- CONTROL PERCENT Jul-20-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	13	14	15	16	17	18	
1	ASGROW AG59X7 NTC					101 205 304 402 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
2	ASGROW AG59X7 ROWEL FX INTACT ROUNDUP P-MAX XTENDIMAX + VG	40.3 WG		3.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a	PRE POST POST POST	A A B B	102 201 305 401 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 95.0 98.8	95.0 85.0 95.0 95.0 92.5	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 95.0 100.0 98.8
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG	3.45 CS		50.0 oz/a 22.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a	PRE PRE POST POST POST	A A B B B	103 202 303 405 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	95.0 95.0 95.0 95.0 95.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 95.0 100.0 100.0	100.0 100.0 95.0 100.0 98.8
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG WARRANT ULTRA	75 DG 3 CS		5.0 oz/a 48.0 oz/a 22.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a 50.0 oz/a	PRE PRE PRE POST POST POST POST POST	A A A B B B B B	104 203 301 404 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 95.0 95.0 95.0 100.0 100.0	95.0 95.0 95.0 95.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62 EC		16.0 oz/a 32.0 oz/a 20.0 oz/a	PRE POST POST	A B B	105 204 302 403 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 95.0 95.0 97.5	95.0 100.0 95.0 95.0 96.3	100.0 95.0 95.0 100.0 97.5	100.0 100.0 100.0 100.0 100.0	100.0 95.0 100.0 100.0 98.8
6	CREDENZ CZ6109LL NTC					106 207 310 408 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29 SL		32.0 oz/a 29.0 oz/a	PRE POST	A B	107 208 309 410 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 95.0 95.0 85.0 92.5	100.0 95.0 95.0 85.0 93.8	100.0 100.0 95.0 95.0 97.5	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 95.0 98.8
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29 SL		32.0 oz/a 5.0 oz/a 29.0 oz/a	PRE PRE POST	A A B	108 209 307 406 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 95.0 85.0 95.0 92.5	95.0 100.0 100.0 95.0 97.5	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	95.0 100.0 90.0 85.0 92.5
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76 WG		3.0 oz/a 29.0 oz/a 16.0 oz/a	PRE POST POST	A B B	109 210 306 407 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 95.0 95.0 95.0 95.0	100.0 100.0 85.0 95.0 95.0	100.0 100.0 100.0 95.0 98.8	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62 EC		16.0 oz/a 29.0 oz/a 20.0 oz/a	PRE POST POST	A B B	110 206 308 409 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 85.0 95.0 95.0	95.0 85.0 85.0 95.0 90.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0

# University of Georgia

Weed Code						AMAPA	DEDTO	AGRASS	
Crop Code						-----	-----	-----	
Part Rated									
Rating Data Type						CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	
Rating Date						Aug-16-17	Aug-16-17	Aug-16-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	19	20	21
1	ASGROW AG59X7 NTC					101 205 304 402 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2	ASGROW AG59X7 ROWEL FX INTACT ROUNDUP P-MAX XTENDIMAX + VG	40.3 WG 5.5 SL 2.9 SL		3.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a	PRE A POST B POST B POST B	102 201 305 401 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 95.0 98.8	95.0 95.0 95.0 95.0 95.0
3	ASGROW AG59X7 WARRANT ULTRA XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG	3.45 CS 2.9 SL 5.5 SL 2.9 SL		50.0 oz/a 22.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a	PRE A PRE A POST B POST B POST B	103 202 303 405 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 98.8	99.0 95.0 90.0 95.0 94.8
4	ASGROW AG59X7 METRIBUZIN WARRANT XTENDIMAX + VG INTACT ROUNDUP P-MAX XTENDIMAX + VG WARRANT ULTRA	75 DG 3 CS 2.9 SL 5.5 SL 2.9 SL 3.45 CS		5.0 oz/a 48.0 oz/a 22.0 oz/a 0.5 % v/v 32.0 oz/a 22.0 oz/a 50.0 oz/a	PRE A PRE A PRE A POST B POST B POST B POST B	104 203 301 404 Mean =	100.0 100.0 100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0 100.0 100.0	99.0 95.0 95.0 95.0 96.0
5	ASGROW AG59X7 DUAL MAGNUM ROUNDUP P-MAX REFLEX	7.62 EC 5.5 SL 2 SL		16.0 oz/a 32.0 oz/a 20.0 oz/a	PRE A POST B POST B	105 204 302 403 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 95.0 90.0 75.0 90.0	99.0 90.0 95.0 95.0 94.8
6	CREDENZ CZ6109LL NTC					106 207 310 408 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
7	CREDENZ CZ6109LL PREFIX LIBERTY 280	5.29 SL 2.34 SL		32.0 oz/a 29.0 oz/a	PRE A POST B	107 208 309 410 Mean =	100.0 100.0 100.0 100.0 100.0	85.0 85.0 85.0 85.0 85.0	99.0 95.0 95.0 95.0 96.0
8	CREDENZ CZ6109LL PREFIX METRIBUZIN LIBERTY 280	5.29 SL 75 DG 2.34 SL		32.0 oz/a 5.0 oz/a 29.0 oz/a	PRE A PRE A POST B	108 209 307 406 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 100.0 100.0 90.0 96.3	95.0 95.0 85.0 85.0 90.0
9	CREDENZ CZ6109LL FIERCE LIBERTY 280 DUAL MAGNUM	76 WG 2.34 SL 7.62 EC		3.0 oz/a 29.0 oz/a 16.0 oz/a	PRE A POST B POST B	109 210 306 407 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	95.0 95.0 90.0 95.0 93.8
10	CREDENZ CZ6109LL DUAL MAGNUM LIBERTY 280 REFLEX	7.62 EC 2.34 SL 2 SL		16.0 oz/a 29.0 oz/a 20.0 oz/a	PRE A POST B POST B	110 206 308 409 Mean =	100.0 100.0 100.0 100.0 100.0	90.0 100.0 90.0 100.0 95.0	95.0 95.0 95.0 95.0 95.0

# University of Georgia

XTEND VS LIBERTY WEED CONTROL  
SYSTEMS FOR SOYBEAN WEED CONTROL

Trial ID: SB-08-17 Study Dir.: CHRIS CORKERN (2017-01-B7-02)  
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

IAQTA = MORNINGGLORY, SMALLFLOWER / JACQUEMONTIA TAMNIFOLIA (L.) GRISEB.  
CASOB = SICKLEPOD / CASSIA OBTUSIFOLIA L.  
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

LEAF = LEAF / FOLIAGE