

University of Georgia

ENVIVE OR CANOPY IN LL SOYBEANS

Trial ID: SB-02-12 Study Dir.: GLENN HAMMES
 Location: SHANNON FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 20 feet
 Spray vol: 15 gal/ac Mix size: 1.5 liters (min .62569)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	ENVIVE	41.3	DG	3.5	OZ/A	PRE	A	2.621 g/mx	101	207	308	411
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	SYNCHRONY SP	28.4	WG	0.375	OZ/A	POST	B	0.2808 g/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
2	ENVIVE	41.3	DG	3.5	OZ/A	PRE	A	2.621 g/mx	102	206	304	403
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	CLASSIC	25	WG	0.33	OZ/A	POST	B	0.2471 g/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
3	ENVIVE	41.3	DG	3.5	OZ/A	PRE	A	2.621 g/mx	103	209	310	405
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	CLASSIC	25	WG	0.50	OZ/A	POST	B	0.3745 g/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
4	ENVIVE	41.3	DG	3.5	OZ/A	PRE	A	2.621 g/mx	104	202	307	404
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
5	ENVIVE	41.3	DG	3.5	OZ/A	PRE	A	2.621 g/mx	105	203	312	406
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
6	CANOPY	75	DG	6.0	OZ/A	PRE	A	4.493 g/mx	106	212	303	402
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	SYNCHRONY SP	28.4	WG	0.375	OZ/A	POST	B	0.2808 g/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
7	CANOPY	75	DG	6.0	OZ/A	PRE	A	4.493 g/mx	107	211	305	410
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	CLASSIC	25	DG	0.33	OZ/A	POST	B	0.2471 g/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
8	CANOPY	75	DG	6.0	OZ/A	PRE	A	4.493 g/mx	108	201	306	401
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	CLASSIC	25	DG	0.50	OZ/A	POST	B	0.3745 g/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
9	CANOPY	75	DG	6.0	OZ/A	PRE	A	4.493 g/mx	109	204	301	408
	CINCH	7.64	EC	16.0	OZ/A	POST	B	12.5 ml/mx				
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
10	CANOPY	75	DG	6.0	OZ/A	PRE	A	4.493 g/mx	110	208	302	407
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
11	BOUNDARY	6.5	SC	24.0	OZ/A	PRE	A	18.75 ml/mx	111	205	309	412
	LIBERTY	2.34	SL	22.0	OZ/A	POST	B	17.19 ml/mx				
	AMS XTRA	3.4	SL	2.5 %	V/V	POST	B	37.5 ml/mx				
12	NTC								112	210	311	409

Sort Order: Replicate 1

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Trial Comments

BOUNDARY = DUAL MAGNUM (5.25 LBS/GAL) + METRIBUZIN (1.25 LBS/GAL)
CANOPY = METRIBUZIN (64.3%) + CHLORIMURON (10.7%)
ENVIVE = CHLORIMURON (9.2%) + FLUMIOXAZIN (29.2%) + THIFENSULFURON (2.9%)
SYNCHRONY = CHLORIMURON (21.5%) + THIFENSULFURON (6.9%)

5/10-5/17 - 3.3" RAINFALL

SUMMARY:

- 1) ALL ENVIVE TREATMENTS CAUSED SIGNIFICANT SOYBEAN STUNTING. THE 3.5 OZ/A RATE MAY HAVE BEEN TOO HIGH FOR THIS LIGHT SOIL TYPE AND HIGH PH (7.11)
- 2) ALL CANOPY AND BOUNDARY TREATMENTS CAUSED SIGNIFICANT SOYBEAN STUNTING AND STAND LOSS. SSLL 595N IS **NOT TOLERANT** OF METRIBUZIN. ADDITIONALLY, METRIBUZIN IS NOT LABELED FOR USE ON THIS SOIL TYPE (I.E.SAND WITH LESS THAN 1% OM AND HIGH PH - 7.11).
- 3) AT 57 DAP, ALL TREATMENTS PROVIDED > 90% CONTROL OF GR-PALMER AMARANTH EXCEPT THE FOLLOWING:

CANOPY (PRE) FB CINCH + SYNCHRONY + LIBERTY (POST) = 79% CONTROL
CANOPY (PRE) FB CINCH + CLASSIC + LIBERTY (POST) = 89% CONTROL
CANOPY (PRE) FB CINCH + LIBERTY (POST) = 80% CONTROL

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GENERAL TRIAL INFORMATION

Study Director: GLENN HAMMES **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.** _____

Crop 1: GLYMA SOYBEAN **Variety:** SS LL595N **Planting Date:** May-3-12
Planting Method: MONOSEM **Rate:** 10 SEED/FT **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:** 20 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB
Trial Initiation Comments: TEMIK 15G INFR @ 5 LBS/A

Previous: Crops **Pesticides** **Year**
 1. COTTON 2011 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.8 **% Sand:** 88 **% Silt:** 8 **% Clay:** 4
pH: 7.11 **CEC:** _____ **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-1-12	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
2.	May-5-12	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____

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

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Location: SHANNON FARM

Investigator: Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-4-12	Jun-2-12					
Time of Day:	7:30 AM	7:00 AM					
Application Method:	BROADCAST	BROADCAST					
Application Timing:	PRE	POST					
Applic. Placement:	SOIL	FOLIAGE					
Air Temp., Unit:	77 F	67 F					
% Relative Humidity:	87	80					
Wind Velocity, Unit:	1 MPH	2 MPH					
Dew Presence (Y/N):	Y	Y					
Water Hardness:	--	--					
Soil Temp., Unit:	69 F	70 F					
Soil Moisture:	FAIR	OPTIMUM					
% Cloud Cover:	40	0					

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: GLYMA						
	Stage Scale:		V2-V3				
	Height, Unit:		6 IN				

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA		2-3"				
	Stage Scale:						
	Density, Unit:						
Weed 2	Stage:		1-2"				
	Stage Scale:						
	Density, Unit:						

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME					
Operating Pressure:	38						
Nozzle Type:	FLAT FAN						
Nozzle Size:	11002DG						
Nozzle Spacing, Unit:	20	IN					
Nozzles/Row:							
Band Width, Unit:							
Boom Length, Unit:	60	IN					
Boom Height, Unit:	17	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

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Weed Code	----	----	AMAPA	----	AMAPA
Crop Code	GLYMA	GLYMA	----	GLYMA	----
Part Rated	PLANT -	PLANT -	CONTROL	PLANT -	CONTROL
Rating Data Type	STUNTING	CHLORSIS		STUNTING	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May-14-12	May-14-12	May-14-12	May-30-12	May-30-12
Crop Stage					
Crop Stage Scale					
Weed Stage					
Weed Density, Unit					
Footnote Number					
Trt-Eval Interval	10 DA-A	10 DA-A	10 DA-A	26 DA-A	26 DA-A
PRM Data Type					
# Subsamples, Dec.					
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code
1 ENVIVE	41.3 DG		3.5 OZ/A	PRE A	
CINCH	7.64 EC		16.0 OZ/A	POST B	
SYNCHRONY SP	28.4 WG	0.375	OZ/A	POST B	
LIBERTY	2.34 SL		22.0 OZ/A	POST B	
AMS XTRA	3.4 SL		2.5 % V/V	POST B	
				11.3 bcd	1.3 e
				88.0 b	33.8 de
				99.0 a	
2 ENVIVE	41.3 DG		3.5 OZ/A	PRE A	
CINCH	7.64 EC		16.0 OZ/A	POST B	
CLASSIC	25 WG	0.33	OZ/A	POST B	
LIBERTY	2.34 SL		22.0 OZ/A	POST B	
AMS XTRA	3.4 SL		2.5 % V/V	POST B	
				12.5 bc	2.5 de
				98.0 a	27.5 ef
				89.3 abc	
3 ENVIVE	41.3 DG		3.5 OZ/A	PRE A	
CINCH	7.64 EC		16.0 OZ/A	POST B	
CLASSIC	25 WG	0.50	OZ/A	POST B	
LIBERTY	2.34 SL		22.0 OZ/A	POST B	
AMS XTRA	3.4 SL		2.5 % V/V	POST B	
				10.0 cd	2.5 de
				94.5 ab	31.3 def
				95.0 ab	
4 ENVIVE	41.3 DG		3.5 OZ/A	PRE A	
CINCH	7.64 EC		16.0 OZ/A	POST B	
LIBERTY	2.34 SL		22.0 OZ/A	POST B	
AMS XTRA	3.4 SL		2.5 % V/V	POST B	
				6.3 d	0.0 e
				99.0 a	28.8 def
				97.7 ab	
5 ENVIVE	41.3 DG		3.5 OZ/A	PRE A	
LIBERTY	2.34 SL		22.0 OZ/A	POST B	
AMS XTRA	3.4 SL		2.5 % V/V	POST B	
				8.8 cd	1.3 e
				98.0 a	22.5 f
				96.3 ab	
6 CANOPY	75 DG		6.0 OZ/A	PRE A	
CINCH	7.64 EC		16.0 OZ/A	POST B	
SYNCHRONY SP	28.4 WG	0.375	OZ/A	POST B	
LIBERTY	2.34 SL		22.0 OZ/A	POST B	
AMS XTRA	3.4 SL		2.5 % V/V	POST B	
				12.5 bc	7.5 cd
				95.8 ab	45.0 bc
				61.7 f	

Means followed by same letter do not significantly differ (P=.10, Duncan's New MRT)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates = Average (5)

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Weed Code	-----	-----	AMAPA	-----	AMAPA
Crop Code	GLYMA	GLYMA	-----	GLYMA	-----
Part Rated	PLANT -	PLANT -	CONTROL	PLANT -	CONTROL
Rating Data Type	STUNTING	CHLORSIS		STUNTING	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May-14-12	May-14-12	May-14-12	May-30-12	May-30-12
Crop Stage					
Crop Stage Scale					
Weed Stage					
Weed Density, Unit					
Footnote Number					
Trt-Eval Interval	10 DA-A	10 DA-A	10 DA-A	26 DA-A	26 DA-A
PRM Data Type					
# Subsamples, Dec.					
Trt Treatment No. Name	Form Form Conc Type Rate	Rate Unit	Grow Stg	Appl Code	
7 CANOPY	75 DG	6.0 OZ/A	PRE A		16.3 b
CINCH	7.64 EC	16.0 OZ/A	POST B		12.5 c
CLASSIC	25 DG	0.33 OZ/A	POST B		99.0 a
LIBERTY	2.34 SL	22.0 OZ/A	POST B		47.5 b
AMS XTRA	3.4 SL	2.5 % V/V	POST B		76.7 cde
8 CANOPY	75 DG	6.0 OZ/A	PRE A		27.5 a
CINCH	7.64 EC	16.0 OZ/A	POST B		27.5 b
CLASSIC	25 DG	0.50 OZ/A	POST B		99.0 a
LIBERTY	2.34 SL	22.0 OZ/A	POST B		58.8 a
AMS XTRA	3.4 SL	2.5 % V/V	POST B		68.3 ef
9 CANOPY	75 DG	6.0 OZ/A	PRE A		23.8 a
CINCH	7.64 EC	16.0 OZ/A	POST B		23.8 b
LIBERTY	2.34 SL	22.0 OZ/A	POST B		99.0 a
AMS XTRA	3.4 SL	2.5 % V/V	POST B		62.5 a
					71.7 def
10 CANOPY	75 DG	6.0 OZ/A	PRE A		23.8 a
LIBERTY	2.34 SL	22.0 OZ/A	POST B		25.0 b
AMS XTRA	3.4 SL	2.5 % V/V	POST B		99.0 a
					66.3 a
					83.3 bcd
11 BOUNDARY	6.5 SC	24.0 OZ/A	PRE A		27.5 a
LIBERTY	2.34 SL	22.0 OZ/A	POST B		33.8 a
AMS XTRA	3.4 SL	2.5 % V/V	POST B		99.0 a
					37.5 cd
					88.3 abc
12 NTC					0.0 e
					0.0 e
					0.0 c
					0.0 g
					0.0 g
LSD (P=.10)	4.67	5.07	7.77	8.72	13.32
Standard Deviation	3.89	4.23	6.47	7.27	9.48
CV	25.95	36.89	7.27	18.9	12.27
Grand Mean	15.0	11.46	89.02	38.44	77.28
Bartlett's X2	8.898	11.39	23.641	18.241	14.475
P(Bartlett's X2)	0.542	0.25	0.001*	0.051	0.07
Replicate F	5.775	2.993	1.821	3.956	2.479
Replicate Prob(F)	0.0027	0.0448	0.1626	0.0163	0.1080
Treatment F	20.625	35.353	76.015	26.930	24.882
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Code	-----	-----	AMAPA	AMAPA
Crop Code	GLYMA	GLYMA	-----	-----
Part Rated	PLANT -	STAND -		
Rating Data Type	STUNTING	LOSS	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jun-12-12	Jun-12-12	Jun-12-12	Jun-29-12
Crop Stage				
Crop Stage Scale				
Weed Stage				
Weed Density, Unit				
Footnote Number				
Trt-Eval Interval	39 DA-A	39 DA-A	39 DA-A	56 DA-A
PRM Data Type				
# Subsamples, Dec.				
Trt Treatment No. Name	Form Form Conc Type Rate	Rate Unit	Grow Stg	Appl Code
1 ENVIVE	41.3 DG	3.5 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
SYNCHRONY SP	28.4 WG	0.375 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
				47.5 c
2 ENVIVE	41.3 DG	3.5 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
CLASSIC	25 WG	0.33 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
				43.8 cd
3 ENVIVE	41.3 DG	3.5 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
CLASSIC	25 WG	0.50 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
				47.5 c
4 ENVIVE	41.3 DG	3.5 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
				36.3 d
5 ENVIVE	41.3 DG	3.5 OZ/A	PRE A	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
				26.3 e
6 CANOPY	75 DG	6.0 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
SYNCHRONY SP	28.4 WG	0.375 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
				58.8 ab
				13.8 b
				87.0 bc
				78.8 b

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Weed Code	-----	-----	AMAPA	AMAPA
Crop Code	GLYMA	GLYMA	-----	-----
Part Rated	PLANT -	STAND -		
Rating Data Type	STUNTING	LOSS	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jun-12-12	Jun-12-12	Jun-12-12	Jun-29-12
Crop Stage				
Crop Stage Scale				
Weed Stage				
Weed Density, Unit				
Footnote Number				
Trt-Eval Interval	39 DA-A	39 DA-A	39 DA-A	56 DA-A
PRM Data Type				
# Subsamples, Dec.				
Trt Treatment No. Name	Form Form Conc Type Rate	Rate Unit	Grow Stg	Appl Code
7 CANOPY	75 DG	6.0 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
CLASSIC	25 DG	0.33 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
8 CANOPY	75 DG	6.0 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
CLASSIC	25 DG	0.50 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
9 CANOPY	75 DG	6.0 OZ/A	PRE A	
CINCH	7.64 EC	16.0 OZ/A	POST B	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
10 CANOPY	75 DG	6.0 OZ/A	PRE A	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
11 BOUNDARY	6.5 SC	24.0 OZ/A	PRE A	
LIBERTY	2.34 SL	22.0 OZ/A	POST B	
AMS XTRA	3.4 SL	2.5 % V/V	POST B	
12 NTC				
LSD (P=.10)	9.16	7.11	9.13	8.53
Standard Deviation	7.63	5.93	7.61	7.11
CV	17.65	47.02	8.76	8.41
Grand Mean	43.23	12.6	86.9	84.52
Bartlett's X2	15.994	3.309	26.646	28.919
P(Bartlett's X2)	0.10	0.652	0.001*	0.001*
Replicate F	6.927	0.924	2.939	3.641
Replicate Prob(F)	0.0010	0.4398	0.0475	0.0226
Treatment F	27.548	25.093	53.339	59.519
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Footnote Number Trt-Eval Interval PRM Data Type # Subsamples, Dec.							----- GLYMA PLANT - STUNTING PERCENT May-14-12	----- GLYMA PLANT - CHLORSIS PERCENT May-14-12	AMAPA ----- CONTROL PERCENT May-14-12	----- GLYMA PLANT - STUNTING PERCENT May-30-12	AMAPA ----- CONTROL PERCENT May-30-12
Trt Treatment Form Form Rate Grow Appl No. Name Conc Type Rate Unit Stg Code Plot							10 DA-A	10 DA-A	10 DA-A	26 DA-A	26 DA-A
1	ENVIVE	41.3	DG	3.5	OZ/A	PRE A 101	15.0	5.0	55.0	30.0	
	CINCH	7.64	EC	16.0	OZ/A	POST B 207	10.0	0.0	99.0	40.0	99.0
	SYNCHRONY SP	28.4	WG	0.375	OZ/A	POST B 308	5.0	0.0	99.0	40.0	99.0
	LIBERTY	2.34	SL	22.0	OZ/A	POST B 411	15.0	0.0	99.0	25.0	.
	AMS XTRA	3.4	SL	2.5	% V/V	POST B					
Mean =							11.3	1.3	88.0	33.8	99.0
2	ENVIVE	41.3	DG	3.5	OZ/A	PRE A 102	10.0	5.0	95.0	20.0	70.0
	CINCH	7.64	EC	16.0	OZ/A	POST B 206	10.0	0.0	99.0	30.0	99.0
	CLASSIC	25	WG	0.33	OZ/A	POST B 304	10.0	5.0	99.0	20.0	99.0
	LIBERTY	2.34	SL	22.0	OZ/A	POST B 403	20.0	0.0	99.0	40.0	.
	AMS XTRA	3.4	SL	2.5	% V/V	POST B					
Mean =							12.5	2.5	98.0	27.5	89.3
3	ENVIVE	41.3	DG	3.5	OZ/A	PRE A 103	5.0	0.0	90.0	30.0	95.0
	CINCH	7.64	EC	16.0	OZ/A	POST B 209	15.0	5.0	99.0	30.0	95.0
	CLASSIC	25	WG	0.50	OZ/A	POST B 310	5.0	0.0	99.0	30.0	95.0
	LIBERTY	2.34	SL	22.0	OZ/A	POST B 405	15.0	5.0	90.0	35.0	.
	AMS XTRA	3.4	SL	2.5	% V/V	POST B					
Mean =							10.0	2.5	94.5	31.3	95.0
4	ENVIVE	41.3	DG	3.5	OZ/A	PRE A 104	5.0	0.0	99.0	30.0	95.0
	CINCH	7.64	EC	16.0	OZ/A	POST B 202	5.0	0.0	99.0	20.0	99.0
	LIBERTY	2.34	SL	22.0	OZ/A	POST B 307	5.0	0.0	99.0	30.0	99.0
	AMS XTRA	3.4	SL	2.5	% V/V	POST B 404	10.0	0.0	99.0	35.0	.
Mean =							6.3	0.0	99.0	28.8	97.7
5	ENVIVE	41.3	DG	3.5	OZ/A	PRE A 105	5.0	0.0	99.0	5.0	95.0
	LIBERTY	2.34	SL	22.0	OZ/A	POST B 203	10.0	5.0	95.0	20.0	95.0
	AMS XTRA	3.4	SL	2.5	% V/V	POST B 312	10.0	0.0	99.0	30.0	99.0
						406	10.0	0.0	99.0	35.0	.
Mean =							8.8	1.3	98.0	22.5	96.3
6	CANOPY	75	DG	6.0	OZ/A	PRE A 106	10.0	10.0	90.0	30.0	45.0
	CINCH	7.64	EC	16.0	OZ/A	POST B 212	15.0	5.0	99.0	55.0	80.0
	SYNCHRONY SP	28.4	WG	0.375	OZ/A	POST B 303	10.0	5.0	95.0	35.0	60.0
	LIBERTY	2.34	SL	22.0	OZ/A	POST B 402	15.0	10.0	99.0	60.0	.
	AMS XTRA	3.4	SL	2.5	% V/V	POST B					
Mean =							12.5	7.5	95.8	45.0	61.7

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ENVIVE OR CANOPY IN LL SOYBEANS

Trial ID: SB-02-12 Study Dir.: GLENN HAMMES
 Location: SHANNON FARM Investigator: Eric P. Prostko

Weed Code							----- GLYMA PLANT - STUNTING PERCENT May-14-12	----- GLYMA PLANT - CHLORSIS PERCENT May-14-12	AMAPA ----- CONTROL PERCENT May-14-12	----- GLYMA PLANT - STUNTING PERCENT May-30-12	AMAPA ----- CONTROL PERCENT May-30-12
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date											
Crop Stage											
Crop Stage Scale											
Weed Stage											
Weed Density, Unit											
Footnote Number											
Trt-Eval Interval							10 DA-A	10 DA-A	10 DA-A	26 DA-A	26 DA-A
PRM Data Type											
# Subsamples, Dec.											
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot					
7 CANOPY	75 DG		6.0 OZ/A	PRE A	107		20.0	20.0	99.0	40.0	75.0
CINCH	7.64 EC		16.0 OZ/A	POST B	211		15.0	10.0	99.0	50.0	90.0
CLASSIC	25 DG		0.33 OZ/A	POST B	305		15.0	20.0	99.0	50.0	65.0
LIBERTY	2.34 SL		22.0 OZ/A	POST B	410		15.0	0.0	99.0	50.0	.
AMS XTRA	3.4 SL		2.5 % V/V	POST B							
Mean =							16.3	12.5	99.0	47.5	76.7
8 CANOPY	75 DG		6.0 OZ/A	PRE A	108		30.0	30.0	99.0	45.0	65.0
CINCH	7.64 EC		16.0 OZ/A	POST B	201		30.0	35.0	99.0	65.0	70.0
CLASSIC	25 DG		0.50 OZ/A	POST B	306		20.0	20.0	99.0	55.0	70.0
LIBERTY	2.34 SL		22.0 OZ/A	POST B	401		30.0	25.0	99.0	70.0	.
AMS XTRA	3.4 SL		2.5 % V/V	POST B							
Mean =							27.5	27.5	99.0	58.8	68.3
9 CANOPY	75 DG		6.0 OZ/A	PRE A	109		25.0	30.0	99.0	60.0	75.0
CINCH	7.64 EC		16.0 OZ/A	POST B	204		20.0	20.0	99.0	65.0	80.0
LIBERTY	2.34 SL		22.0 OZ/A	POST B	301		20.0	20.0	99.0	65.0	60.0
AMS XTRA	3.4 SL		2.5 % V/V	POST B	408		30.0	25.0	99.0	60.0	.
Mean =							23.8	23.8	99.0	62.5	71.7
10 CANOPY	75 DG		6.0 OZ/A	PRE A	110		25.0	30.0	99.0	65.0	90.0
LIBERTY	2.34 SL		22.0 OZ/A	POST B	208		30.0	30.0	99.0	65.0	95.0
AMS XTRA	3.4 SL		2.5 % V/V	POST B	302		20.0	20.0	99.0	65.0	65.0
					407		20.0	20.0	99.0	70.0	.
Mean =							23.8	25.0	99.0	66.3	83.3
11 BOUNDARY	6.5 SC		24.0 OZ/A	PRE A	111		30.0	40.0	99.0	45.0	95.0
LIBERTY	2.34 SL		22.0 OZ/A	POST B	205		35.0	35.0	99.0	35.0	85.0
AMS XTRA	3.4 SL		2.5 % V/V	POST B	309		15.0	30.0	99.0	30.0	85.0
					412		30.0	30.0	99.0	40.0	.
Mean =							27.5	33.8	99.0	37.5	88.3
12 NTC					112		0.0	0.0	0.0	0.0	0.0
					210		0.0	0.0	0.0	0.0	0.0
					311		0.0	0.0	0.0	0.0	0.0
					409		0.0	0.0	0.0	0.0	.
Mean =							0.0	0.0	0.0	0.0	0.0

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ENVIVE OR CANOPY IN LL SOYBEANS

Trial ID: SB-02-12 Study Dir.: GLENN HAMMES
 Location: SHANNON FARM Investigator: Eric P. Prostko

Weed Code								-----	-----	AMAPA	AMAPA
Crop Code								GLYMA	GLYMA	-----	-----
Part Rated								PLANT -	STAND -		
Rating Data Type								STUNTING	LOSS	CONTROL	CONTROL
Rating Unit								PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								Jun-12-12	Jun-12-12	Jun-12-12	Jun-29-12
Crop Stage											
Crop Stage Scale											
Weed Stage											
Weed Density, Unit											
Footnote Number											
Trt-Eval Interval								39 DA-A	39 DA-A	39 DA-A	56 DA-A
PRM Data Type											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot				
1	ENVIVE	41.3	DG	3.5 OZ/A	PRE	A	101	30.0	0.0	65.0	70.0
	CINCH	7.64	EC	16.0 OZ/A	POST	B	207	50.0	0.0	99.0	99.0
	SYNCHRONY SP	28.4	WG	0.375 OZ/A	POST	B	308	60.0	0.0	99.0	99.0
	LIBERTY	2.34	SL	22.0 OZ/A	POST	B	411	50.0	0.0	99.0	99.0
	AMS XTRA	3.4	SL	2.5 % V/V	POST	B					
	Mean =							47.5	0.0	90.5	91.8
2	ENVIVE	41.3	DG	3.5 OZ/A	PRE	A	102	20.0	0.0	85.0	85.0
	CINCH	7.64	EC	16.0 OZ/A	POST	B	206	60.0	0.0	99.0	95.0
	CLASSIC	25	WG	0.33 OZ/A	POST	B	304	50.0	0.0	99.0	99.0
	LIBERTY	2.34	SL	22.0 OZ/A	POST	B	403	45.0	0.0	99.0	99.0
	AMS XTRA	3.4	SL	2.5 % V/V	POST	B					
	Mean =							43.8	0.0	95.5	94.5
3	ENVIVE	41.3	DG	3.5 OZ/A	PRE	A	103	30.0	0.0	90.0	95.0
	CINCH	7.64	EC	16.0 OZ/A	POST	B	209	50.0	0.0	95.0	99.0
	CLASSIC	25	WG	0.50 OZ/A	POST	B	310	50.0	0.0	99.0	99.0
	LIBERTY	2.34	SL	22.0 OZ/A	POST	B	405	60.0	0.0	95.0	95.0
	AMS XTRA	3.4	SL	2.5 % V/V	POST	B					
	Mean =							47.5	0.0	94.8	97.0
4	ENVIVE	41.3	DG	3.5 OZ/A	PRE	A	104	25.0	0.0	99.0	95.0
	CINCH	7.64	EC	16.0 OZ/A	POST	B	202	45.0	0.0	99.0	99.0
	LIBERTY	2.34	SL	22.0 OZ/A	POST	B	307	40.0	0.0	99.0	99.0
	AMS XTRA	3.4	SL	2.5 % V/V	POST	B	404	35.0	0.0	99.0	99.0
	Mean =							36.3	0.0	99.0	98.0
5	ENVIVE	41.3	DG	3.5 OZ/A	PRE	A	105	15.0	0.0	95.0	90.0
	LIBERTY	2.34	SL	22.0 OZ/A	POST	B	203	40.0	0.0	99.0	95.0
	AMS XTRA	3.4	SL	2.5 % V/V	POST	B	312	20.0	0.0	99.0	99.0
							406	30.0	0.0	99.0	99.0
	Mean =							26.3	0.0	98.0	95.8
6	CANOPY	75	DG	6.0 OZ/A	PRE	A	106	50.0	5.0	65.0	65.0
	CINCH	7.64	EC	16.0 OZ/A	POST	B	212	65.0	10.0	99.0	95.0
	SYNCHRONY SP	28.4	WG	0.375 OZ/A	POST	B	303	60.0	10.0	85.0	65.0
	LIBERTY	2.34	SL	22.0 OZ/A	POST	B	402	60.0	30.0	99.0	90.0
	AMS XTRA	3.4	SL	2.5 % V/V	POST	B					
	Mean =							58.8	13.8	87.0	78.8

University of Georgia

ENVIVE OR CANOPY IN LL SOYBEANS

Trial ID: SB-02-12 Study Dir.: GLENN HAMMES
 Location: SHANNON FARM Investigator: Eric P. Prostko

Weed Code							----	----	AMAPA	AMAPA
Crop Code							GLYMA	GLYMA	-----	-----
Part Rated							PLANT -	STAND -		
Rating Data Type							STUNTING	LOSS	CONTROL	CONTROL
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							Jun-12-12	Jun-12-12	Jun-12-12	Jun-29-12
Crop Stage										
Crop Stage Scale										
Weed Stage										
Weed Density, Unit										
Footnote Number										
Trt-Eval Interval							39 DA-A	39 DA-A	39 DA-A	56 DA-A
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate	Unit	Stg	Code Plot				
7 CANOPY	75 DG		6.0 OZ/A	PRE	A	107	40.0	30.0	99.0	95.0
CINCH	7.64 EC		16.0 OZ/A	POST	B	211	55.0	10.0	99.0	99.0
CLASSIC	25 DG		0.33 OZ/A	POST	B	305	60.0	15.0	99.0	95.0
LIBERTY	2.34 SL		22.0 OZ/A	POST	B	410	55.0	5.0	99.0	99.0
AMS XTRA	3.4 SL		2.5 % V/V	POST	B					
Mean =							52.5	15.0	99.0	97.0
8 CANOPY	75 DG		6.0 OZ/A	PRE	A	108	70.0	30.0	95.0	85.0
CINCH	7.64 EC		16.0 OZ/A	POST	B	201	65.0	30.0	99.0	80.0
CLASSIC	25 DG		0.50 OZ/A	POST	B	306	65.0	25.0	99.0	95.0
LIBERTY	2.34 SL		22.0 OZ/A	POST	B	401	65.0	40.0	99.0	95.0
AMS XTRA	3.4 SL		2.5 % V/V	POST	B					
Mean =							66.3	31.3	98.0	88.8
9 CANOPY	75 DG		6.0 OZ/A	PRE	A	109	65.0	40.0	90.0	80.0
CINCH	7.64 EC		16.0 OZ/A	POST	B	204	65.0	40.0	90.0	85.0
LIBERTY	2.34 SL		22.0 OZ/A	POST	B	301	55.0	35.0	65.0	65.0
AMS XTRA	3.4 SL		2.5 % V/V	POST	B	408	60.0	30.0	95.0	90.0
Mean =							61.3	36.3	85.0	80.0
10 CANOPY	75 DG		6.0 OZ/A	PRE	A	110	60.0	40.0	99.0	95.0
LIBERTY	2.34 SL		22.0 OZ/A	POST	B	208	60.0	30.0	99.0	99.0
AMS XTRA	3.4 SL		2.5 % V/V	POST	B	302	60.0	40.0	95.0	99.0
						407	65.0	30.0	95.0	90.0
Mean =							61.3	35.0	97.0	95.8
11 BOUNDARY	6.5 SC		24.0 OZ/A	PRE	A	111	15.0	30.0	99.0	95.0
LIBERTY	2.34 SL		22.0 OZ/A	POST	B	205	25.0	15.0	99.0	99.0
AMS XTRA	3.4 SL		2.5 % V/V	POST	B	309	5.0	10.0	99.0	95.0
						412	25.0	25.0	99.0	99.0
Mean =							17.5	20.0	99.0	97.0
12 NTC						112	0.0	0.0	0.0	0.0
						210	0.0	0.0	0.0	0.0
						311	0.0	0.0	0.0	0.0
						409	0.0	0.0	0.0	0.0
Mean =							0.0	0.0	0.0	0.0