

University of Georgia

GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS			
Trial ID: SB-05B-25		Study Dir.:	
Location: PONDER FARM		Investigator: Eric P. Prostko	

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC					A		-	101	202	305	404
2	EXP-01	4.97 SE		40.0 oz/a	PRE	A	31.25 mL/mx	1468.8 mL	102	201	306	401
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST	B	25.0 mL/mx	1437.5 mL				
	AMSOL			2.5 % v/v	POST	B	37.5 mL/mx					
3	ZIDUA PRO	4.09 SC		6.0 oz/a	PRE	A	4.687 mL/mx	1495.3 mL	103	206	301	405
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST	B	25.0 mL/mx	1437.5 mL				
	AMSOL			2.5 % v/v	POST	B	37.5 mL/mx					
4	TRICOR	4 F		8.0 oz/a	PRE	A	6.25 mL/mx	1468.8 mL	104	205	302	403
	PROWL H20	3.8 SC		32.0 oz/a	PRE	A	25.0 mL/mx					
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST	B	25.0 mL/mx	1425 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B	12.5 mL/mx					
	AMSOL			2.5 % v/v	POST	B	37.5 mL/mx					
5	TRICOR	4 F		8.0 oz/a	PRE	A	6.25 mL/mx	1491.8 mL	105	203	304	406
	ZIDUA	4.17 SC		2.5 oz/a	PRE	A	1.953 mL/mx					
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST	B	25.0 mL/mx	1425 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B	12.5 mL/mx					
	AMSOL			2.5 % v/v	POST	B	37.5 mL/mx					
6	TRICOR	4 F		8.0 oz/a	PRE	A	6.25 mL/mx	1491.8 mL	106	204	303	402
	ZIDUA	4.17 SC		2.5 oz/a	PRE	A	1.953 mL/mx					
	REFLEX	2 SL		24.0 oz/a	POST	B	18.75 mL/mx	1477.1 mL				
	CLASSIC	25 DG		0.5 oz/a	POST	B	0.3745 g/mx					
	INDUCE			0.25 % v/v	POST	B	3.75 mL/mx					

Sort Order: Treatment

Trial Comments

ZIDUA PRO = PYROXASULFONE (2.28 LBS/GAL) + SAFLUFENACIL (0.48 LBS/GAL) + IMAZETHAPYR (1.33 LBS/GAL)

SUMMARY:

1) PRE APPLICATIONS OF EXP-01 CAUSED SLIGHT SOYBEAN STUNTING AND PROVIDED EXCELLENT RESIDUAL CONTROL OF PALMER AMARANTH, WILD RADISH, ANNUAL GRASSES, AND CARPETWEED. SOYBEAN INJURY AND WEED CONTROL WERE COMPARABLE TO TRICOR + PROWL OR TRICOR + ZIDUA.

2) PRE APPLICATIONS OF ZIDUA PRO PRO CAUSED **SIGNIFICANT** SOYBEAN INJURY. ZIDUA PRO HAS A 30 DAY PLANT-BACK INTERVAL FOR THIS SOIL TYPE.

3) AT THE FINAL RATING DATE (JUNE 30, 55 DAP), THERE WAS NO DIFFERENCE IN WEED CONTRL BETWEEN ANY PRE + POST PROGRAM.

Study Director: J.TURNER

Title: _____

Affiliation: _____

Postal Code: _____

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GENERAL WEED CONTROL IN SOYBEANS
PRE + POST PROGRAMS
Trial ID: SB-05B-25 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Investigator: Eric P. Prostko Title: _____
Affiliation: _____
Postal Code: _____

TRIAL LOCATION

City: _____ Trial Status: E
State/Prov.: _____ Trial Reliability: _____
Postal Code: _____ Initiation Date: _____
Country: _____ Planned Completion Date: _____
E-Longitude of LL Corner °: _____ N-Latitude of LL Corner °: _____
Altitude of LL Corner: _____ Unit: _____ Angle y-axis to North °: _____
Directions: _____

COOPERATOR/LANDOWNER

Cooperator: _____ Country: _____
Org: _____ Phone No: _____
Address 1: _____ Fax No: _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N
Guidelines: _____ Guideline Description: _____

Objective:

Conclusions:

CROP AND WEED DESCRIPTION			
Weed	Code	Common Name	Scientific Name
1.	AGRASS	TX	APN/CRB/GOOSE/CROW
2.	AMAPA	PA	LMER AMARANTH
3.	RAPRA	WI	LD RADISH
4.	MOLVE	CA	RPETWEED

Crop 1: GLYMA SOYBEAN Variety: ASGROW AG66XF2
Planting Date: May-6-25 Planting Method: MONOSEM
Rate: 126718 S/A Depth: 1.5 IN Perennial Age: _____
Row Spacing: 36 INOPT Spacing Within Row: _____ 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:

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2024

MAINTENANCE

Field Prep./Maintenance: 750 LBS/A 5-15-30 - PREPLANT

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

% Sand: 94 % OM: 0.61 Texture: SAND
% Silt: 4 pH: 6.0 Soil Name: TIFTON
% Clay: 2 CEC: 2.5 Fert. Level: GOOD

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GENERAL WEED CONTROL IN SOYBEANS
PRE + POST PROGRAMS
Trial ID: SB-05B-25 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-9-25		0.47	IN	RAINFALL		
2.	May-10-25		0.10	IN	RAINFALL		
3.	May-11-25		0.42	IN	RAINFALL		
4.	May-19-25		0.40	IN	SPRINKLER - LATERAL MOVE		
5.	May-21-25		0.30	IN	RAINFALL		
6.	May-26-25		0.50	IN	SPRINKLER - LATERAL MOVE		
7.	May-29-25		0.70	IN	RAINFALL		
8.	Jun-3-25		0.50	IN	SPRINKLER - LATERAL MOVE		
9.	Jun-4-25		0.95	IN	RAINFALL		
10.	Jun-9-25		0.30	IN	SPRINKLER - LATERAL MOVE		
11.	Jun-9-25		0.40	IN	RAINFALL		
12.	Jun-10-25		0.20	IN	RAINFALL		
13.	Jun-11-25		0.20	IN	RAINFALL		
14.	Jun-13-25		0.50	IN	SPRINKLER - LATERAL MOVE		
15.	Jun-14-25		0.20	IN	RAINFALL		
16.	Jun-15-25		0.65	IN	RAINFALL		

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B
Application Date:	May-6-25	Jun-11-25
Time of Day:	1:30 PM	6:30 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	75 F	71 F
% Relative Humidity:	45	99
Wind Velocity, Unit:	3 MPH	0 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	----	--
Soil Temp., Unit:	76 F	75 F
Soil Moisture:	OPTIMUM	WET
% Cloud Cover:	50	10

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLYMA,	GLYMA,
Stage Scale:		V8
Height, Unit:		19, IN

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GENERAL WEED CONTROL IN SOYBEANS
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 Trial ID: SB-05B-25 Study Dir.:
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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		
Density, Unit:		4-8"
Weed 2 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		
Density, Unit:		
Weed 3 Code, Stage:	RAPRA,	RAPRA,
Stage Scale:		
Density, Unit:		
Weed 4 Code, Stage:	MOLVE,	MOLVE,
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	35	38
Nozzle Type:	TTTI	AIXR
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:	20 IN	20 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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Trial ID: SB-05B-25					Study Dir.: Investigator: Eric P. Prostko							
Location: PONDER FARM												
Weed Code					----	Amapa	Rapra	Agrass	-----	-----	Amapa	
Crop Code					Glyma	-----	-----	-----	Glyma	Glyma	-----	
Rating Data Type					Stunting	Control	Control	Control	Stunting	Chlorosis	Control	
Rating Unit					%	%	%	%	%	%	%	
Rating Date					May-14-25	May-14-25	May-14-25	May-14-25	May-24-25	May-24-25	May-24-25	
Trt	Treatment	Form	Form	Rate	Grow	1	2	3	4	5	6	7
No.	Name	Conc	Type	Rate	Unit	Stg						
1	NTC						0.0 c	0.0 na	0.0 b	0.0 b	0.0 c	0.0 na
2	EXP-01	4.97 SE		40.0 oz/a	PRE		5.0 bc	99.0 na	99.0 a	98.0 a	10.0 b	99.0 na
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
3	ZIDUA PRO	4.09 SC		6.0 oz/a	PRE		16.3 a	99.0 na	95.5 a	98.0 a	75.0 a	99.0 na
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
4	TRICOR	4 F		8.0 oz/a	PRE		5.0 bc	99.0 na	88.5 a	99.0 a	10.0 b	99.0 na
	PROWL H20	3.8 SC		32.0 oz/a	PRE							
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
5	TRICOR	4 F		8.0 oz/a	PRE		7.5 b	99.0 na	92.0 a	99.0 a	8.8 b	99.0 na
	ZIDUA	4.17 SC		2.5 oz/a	PRE							
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
6	TRICOR	4 F		8.0 oz/a	PRE		2.5 bc	99.0 na	97.0 a	98.0 a	10.0 b	99.0 na
	ZIDUA	4.17 SC		2.5 oz/a	PRE							
	REFLEX	2 SL		24.0 oz/a	POST							
	CLASSIC	25 DG		0.5 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
LSD P=.10						5.30	.	11.11	1.87	1.27	3.46	.
Standard Deviation						4.27	0.00	8.96	1.51	1.02	2.79	0.00
CV						70.74	0.0	11.39	1.84	5.38	41.83	0.0
Grand Mean						6.04	82.50	78.67	82.00	18.96	6.67	82.50
Bartlett's X2^						2.263	.	15.902*	17.288*	17.097*	8.595	.
P(Bartlett's X2)						0.812	.	0.007*	0.004*	0.004*	0.126	.
Rank X2						.	.	.	.	.	.	.
P(Rank X2)						.	.	.	.	.	.	.
Skewness^						0.4146	.	-1.5282*	-1.5482*	-2.2059*	0.0	.
P(Skewness)^						0.4166	.	0.0057*	0.0052*	0.0002*	1.0	.
Kurtosis^						-0.5565	.	2.6533*	1.8577	8.7619*	2.1275*	.
P(Kurtosis)^						0.5734	.	0.0121*	0.0691	0.0*	0.0394*	.
Replicate F						2.643	NaN	0.424	0.294	1.000	1.429	NaN
Replicate Prob(F)						0.0872	NaN	0.7389	0.8290	0.4199	0.2737	NaN
Treatment F						6.901	NaN	74.709	2848.235	2953.000	117.857	NaN
Treatment Prob(F)						0.0016	NaN	0.0001	0.0001	0.0001	0.0001	NaN

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) or mean separation letters for columns 2,7,8,10,15,18,19,20,21,23,25,26 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS												
Trial ID: SB-05B-25					Study Dir.: Investigator: Eric P. Prostko							
Location: PONDER FARM												
Weed Code					Rapra	Agrass	Molve	-----	Amapa	Rapra	Agrass	
Crop Code					-----	-----	-----	Glyma	-----	-----	-----	
Rating Data Type					Control	Control	Control	Stunting	Control	Control	Control	
Rating Unit					%	%	%	%	%	%	%	
Rating Date					May-24-25	May-24-25	May-24-25	Jun-2-25	Jun-2-25	Jun-2-25	Jun-2-25	
Trt	Treatment	Form	Form	Rate	Grow	8	9	10	11	12	13	14
No.	Name	Conc	Type	Rate Unit	Stg							
1	NTC					0.0 na	0.0 c	0.0 na	0.0 b	0.0 b	0.0 b	0.0 c
2	EXP-01	4.97 SE		40.0 oz/a	PRE	99.0 na	99.0 a	99.0 na	0.0 b	99.0 a	99.0 a	99.0 a
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
3	ZIDUA PRO	4.09 SC		6.0 oz/a	PRE	99.0 na	99.0 a	99.0 na	71.3 a	99.0 a	99.0 a	99.0 a
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
4	TRICOR	4 F		8.0 oz/a	PRE	99.0 na	99.0 a	99.0 na	0.0 b	98.0 a	99.0 a	98.0 ab
	PROWL H2O	3.8 SC		32.0 oz/a	PRE							
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
5	TRICOR	4 F		8.0 oz/a	PRE	99.0 na	99.0 a	99.0 na	0.0 b	98.0 a	99.0 a	98.0 ab
	ZIDUA	4.17 SC		2.5 oz/a	PRE							
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
6	TRICOR	4 F		8.0 oz/a	PRE	99.0 na	94.5 b	99.0 na	0.0 b	99.0 a	98.0 a	95.8 b
	ZIDUA	4.17 SC		2.5 oz/a	PRE							
	REFLEX	2 SL		24.0 oz/a	POST							
	CLASSIC	25 DG		0.5 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
LSD P=.10						.	3.34	.	2.42	1.48	1.01	2.55
Standard Deviation						0.00	2.70	0.00	1.95	1.19	0.82	2.06
CV						0.0	3.3	0.0	16.46	1.45	0.99	2.52
Grand Mean						82.50	81.75	82.50	11.88	82.17	82.33	81.63
Bartlett's X2^						.	17.097*	.	17.097*	16.717*	17.097*	9.567
P(Bartlett's X2)						.	0.004*	.	0.004*	0.005*	0.004*	0.088
Rank X2						.	.	.	.	.	.	.
P(Rank X2)						.	.	.	.	.	.	.
Skewness^						.	-1.7201*	.	-0.9426	-1.6991*	-2.2059*	-0.7014
P(Skewness)^						.	0.0023*	.	0.0728	0.0025*	0.0002*	0.1751
Kurtosis^						.	7.4883*	.	5.0755*	3.6824*	8.7619*	1.4843
P(Kurtosis)^						.	0.0*	.	0.0*	0.001*	0.0*	0.1412
Replicate F						NaN	1.000	NaN	1.000	0.625	1.000	1.189
Replicate Prob(F)						NaN	0.4199	NaN	0.4199	0.6098	0.4199	0.3475
Treatment F						NaN	883.333	NaN	886.091	4557.844	9762.400	1509.259
Treatment Prob(F)						NaN	0.0001	NaN	0.0001	0.0001	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.

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^Calculated from residual.

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS												
Trial ID: SB-05B-25					Study Dir.:							
Location: PONDER FARM					Investigator: Eric P. Prostko							
Weed Code					Molve			Amapa	Rapra	Agrass	Molve	
Crop Code					-----	-----	-----	-----	-----	-----	-----	
Rating Data Type					Control	Glyma Stunting	Glyma Necrosis	Control	Control	Control	Control	
Rating Unit					%	%	%	%	%	%	%	
Rating Date					Jun-2-25	Jun-17-25	Jun-17-25	Jun-17-25	Jun-17-25	Jun-17-25	Jun-17-25	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	15	16	17	18	19	20	21
1	NTC					0.0 na	0.0 c	0.0 c	0.0 na	0.0 na	0.0 na	0.0 na
2	EXP-01	4.97 SE		40.0 oz/a	PRE	99.0 na	1.3 c	0.0 c	99.0 na	99.0 na	99.0 na	99.0 na
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
3	ZIDUA PRO	4.09 SC		6.0 oz/a	PRE	99.0 na	42.5 a	0.0 c	99.0 na	99.0 na	99.0 na	99.0 na
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
4	TRICOR	4 F		8.0 oz/a	PRE	99.0 na	1.3 c	3.8 b	99.0 na	99.0 na	99.0 na	99.0 na
	PROWL H2O	3.8 SC		32.0 oz/a	PRE							
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
5	TRICOR	4 F		8.0 oz/a	PRE	99.0 na	1.3 c	3.8 b	99.0 na	99.0 na	99.0 na	99.0 na
	ZIDUA	4.17 SC		2.5 oz/a	PRE							
	LIBERTY ULTRA	1.76 SL		32.0 oz/a	POST							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
6	TRICOR	4 F		8.0 oz/a	PRE	99.0 na	8.8 b	15.0 a	99.0 na	99.0 na	99.0 na	99.0 na
	ZIDUA	4.17 SC		2.5 oz/a	PRE							
	REFLEX	2 SL		24.0 oz/a	POST							
	CLASSIC	25 DG		0.5 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
LSD P=.10						.	5.23	1.60	.	.	.	.
Standard Deviation						0.00	4.22	1.29	0.00	0.00	0.00	0.00
CV						0.0	46.0	34.43	0.0	0.0	0.0	0.0
Grand Mean						82.50	9.17	3.75	82.50	82.50	82.50	82.50
Bartlett's X2^						.	10.664	3.682	.	.	.	.
P(Bartlett's X2)						.	0.058	0.596	.	.	.	.
Rank X2						.	.	.	.	.	.	.
P(Rank X2)						.	.	.	.	.	.	.
Skewness^						.	-0.6383	-0.872	.	.	.	.
P(Skewness)^						.	0.2156	0.0953	.	.	.	.
Kurtosis^						.	2.306*	0.921	.	.	.	.
P(Kurtosis)^						.	0.0267*	0.3543	.	.	.	.
Replicate F						NaN	1.563	2.500	NaN	NaN	NaN	NaN
Replicate Prob(F)						NaN	0.2398	0.0991	NaN	NaN	NaN	NaN
Treatment F						NaN	62.250	81.000	NaN	NaN	NaN	NaN
Treatment Prob(F)						NaN	0.0001	0.0001	NaN	NaN	NaN	NaN

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Trial ID: SB-05B-25					Study Dir.:						
Location: PONDER FARM					Investigator: Eric P. Prostko						
Weed Code					----- Glyma	----- Glyma	Amapa	Rapra	Agrass	Molve	
Crop Code					Stunting	Necrosis	Control	Control	Control	Control	
Rating Data Type					%	%	%	%	%	%	
Rating Unit					Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	22	23	24	25	26	27
No.	Name	Conc	Type	Rate	Unit	Stg					
1	NTC						0.0 b	0.0 na	0.0 b	0.0 na	0.0 na
2	EXP-01	4.97	SE	40.0	oz/a	PRE	0.0 b	0.0 na	99.0 a	99.0 na	99.0 na
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST					76.5 a
	AMSOL			2.5	% v/v	POST					
3	ZIDUA PRO	4.09	SC	6.0	oz/a	PRE	36.3 a	0.0 na	99.0 a	99.0 na	99.0 na
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST					
	AMSOL			2.5	% v/v	POST					
4	TRICOR	4	F	8.0	oz/a	PRE	0.0 b	0.0 na	98.0 a	99.0 na	99.0 na
	PROWL H2O	3.8	SC	32.0	oz/a	PRE					
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	AMSOL			2.5	% v/v	POST					
5	TRICOR	4	F	8.0	oz/a	PRE	0.0 b	0.0 na	99.0 a	99.0 na	99.0 na
	ZIDUA	4.17	SC	2.5	oz/a	PRE					
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	AMSOL			2.5	% v/v	POST					
6	TRICOR	4	F	8.0	oz/a	PRE	1.3 b	0.0 na	99.0 a	99.0 na	99.0 na
	ZIDUA	4.17	SC	2.5	oz/a	PRE					
	REFLEX	2	SL	24.0	oz/a	POST					
	CLASSIC	25	DG	0.5	oz/a	POST					
	INDUCE			0.25	% v/v	POST					
LSD P=.10						2.61	.	1.01	.	.	22.77
Standard Deviation						2.11	0.00	0.82	0.00	0.00	18.37
CV						33.73	0.0	0.99	0.0	0.0	23.33
Grand Mean						6.25	0.00	82.33	82.50	82.50	78.75
Bartlett's X2^						9.113	.	17.097*	.	.	17.097*
P(Bartlett's X2)						0.105	.	0.004*	.	.	0.004*
Rank X2						.	.	.	.	.	.
P(Rank X2)						.	.	.	.	.	.
Skewness^						-0.6007	.	-2.2059*	.	.	-2.2059*
P(Skewness)^						0.243	.	0.0002*	.	.	0.0002*
Kurtosis^						2.3114*	.	8.7619*	.	.	8.7619*
P(Kurtosis)^						0.0264*	.	0.0*	.	.	0.0*
Replicate F						1.563	NaN	1.000	NaN	NaN	1.000
Replicate Prob(F)						0.2398	NaN	0.4199	NaN	NaN	0.4199
Treatment F						194.625	NaN	9762.400	NaN	NaN	18.600
Treatment Prob(F)						0.0001	NaN	0.0001	NaN	NaN	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.

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,7,8,10,15,18,19,20,21,23,25,26 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS	
Trial ID: SB-05B-25	Study Dir.:
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	

University of Georgia

GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS											
Trial ID: SB-05B-25			Study Dir.: Investigator: Eric P. Prostko								
Location: PONDER FARM											
Weed Code						----	Amapa	Rapra	Agrass	-----	-----
Crop Code						Glyma	-----	-----	-----	Glyma	Glyma
Rating Data Type						Stunting	Control	Control	Control	Stunting	Chlorosis
Rating Unit						%	%	%	%	%	%
Rating Date						May-14-25	May-14-25	May-14-25	May-14-25	May-24-25	May-24-25
Trt	Treatment	Form	Form	Rate	Grow						
No.	Name	Conc	Type	Rate	Unit	Stg	Plot				
								1	2	3	4
1	NTC						101	0.0	0.0	0.0	0.0
							202	0.0	0.0	0.0	0.0
							305	0.0	0.0	0.0	0.0
							404	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0
2	EXP-01	4.97	SE	40.0	oz/a	PRE	102	10.0	99.0	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	201	0.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST	306	10.0	99.0	99.0	10.0
							401	0.0	99.0	99.0	10.0
							Mean =	5.0	99.0	99.0	10.0
3	ZIDUA PRO	4.09	SC	6.0	oz/a	PRE	103	20.0	99.0	99.0	75.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	206	15.0	99.0	99.0	75.0
	AMSOL			2.5	% v/v	POST	301	10.0	99.0	99.0	75.0
							405	20.0	99.0	99.0	75.0
							Mean =	16.3	99.0	99.0	75.0
4	TRICOR	4	F	8.0	oz/a	PRE	104	10.0	99.0	99.0	10.0
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	205	10.0	99.0	99.0	10.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	302	0.0	99.0	99.0	10.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	403	0.0	99.0	99.0	10.0
	AMSOL			2.5	% v/v	POST					
							Mean =	5.0	99.0	88.5	99.0
5	TRICOR	4	F	8.0	oz/a	PRE	105	10.0	99.0	99.0	10.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	203	10.0	99.0	99.0	5.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	304	0.0	99.0	99.0	10.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	406	10.0	99.0	99.0	10.0
	AMSOL			2.5	% v/v	POST					
							Mean =	7.5	99.0	92.0	99.0
6	TRICOR	4	F	8.0	oz/a	PRE	106	10.0	99.0	99.0	10.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	204	0.0	99.0	99.0	10.0
	REFLEX	2	SL	24.0	oz/a	POST	303	0.0	99.0	99.0	10.0
	CLASSIC	25	DG	0.5	oz/a	POST	402	0.0	99.0	99.0	10.0
	INDUCE			0.25	% v/v	POST					
							Mean =	2.5	99.0	97.0	98.0

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS											
Trial ID: SB-05B-25						Study Dir.:					
Location: PONDER FARM						Investigator: Eric P. Prostko					
Weed Code						Amapa	Rapra	Agrass	Molve	----- Glyma	Amapa
Crop Code						-----	-----	-----	-----	Stunting	-----
Rating Data Type						Control	Control	Control	Control	%	Control
Rating Unit						%	%	%	%		%
Rating Date						May-24-25	May-24-25	May-24-25	May-24-25	Jun-2-25	Jun-2-25
Trt	Treatment	Form	Form	Rate	Grow						
No.	Name	Conc	Type	Rate	Unit	Stg	Plot				
1	NTC						101	0.0	0.0	0.0	0.0
							202	0.0	0.0	0.0	0.0
							305	0.0	0.0	0.0	0.0
							404	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0
2	EXP-01	4.97	SE	40.0	oz/a	PRE	102	99.0	99.0	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	201	99.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST	306	99.0	99.0	99.0	99.0
							401	99.0	99.0	99.0	99.0
							Mean =	99.0	99.0	99.0	99.0
3	ZIDUA PRO	4.09	SC	6.0	oz/a	PRE	103	99.0	99.0	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	206	99.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST	301	99.0	99.0	99.0	99.0
							405	99.0	99.0	99.0	99.0
							Mean =	99.0	99.0	99.0	99.0
4	TRICOR	4	F	8.0	oz/a	PRE	104	99.0	99.0	99.0	99.0
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	205	99.0	99.0	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	302	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	403	99.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST					
							Mean =	99.0	99.0	99.0	99.0
5	TRICOR	4	F	8.0	oz/a	PRE	105	99.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	203	99.0	99.0	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	304	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	406	99.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST					
							Mean =	99.0	99.0	99.0	99.0
6	TRICOR	4	F	8.0	oz/a	PRE	106	99.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	204	99.0	99.0	99.0	99.0
	REFLEX	2	SL	24.0	oz/a	POST	303	99.0	99.0	99.0	99.0
	CLASSIC	25	DG	0.5	oz/a	POST	402	99.0	99.0	99.0	99.0
	INDUCE			0.25	% v/v	POST					
							Mean =	99.0	99.0	99.0	99.0

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS													
Trial ID: SB-05B-25				Study Dir.:									
Location: PONDER FARM				Investigator: Eric P. Prostko									
Weed Code							Rapra	Agrass	Molve	----	----	Amapa	Rapra
Crop Code							----	----	----	Glyma	Glyma	----	----
Rating Data Type							Control	Control	Control	Stunting	Necrosis	Control	Control
Rating Unit							%	%	%	%	%	%	%
Rating Date							Jun-2-25	Jun-2-25	Jun-2-25	Jun-17-25	Jun-17-25	Jun-17-25	Jun-17-25
Trt	Treatment	Form	Form	Rate	Grow								
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	13	14	15	16	17	18
													19
1	NTC						101	0.0	0.0	0.0	0.0	0.0	0.0
							202	0.0	0.0	0.0	0.0	0.0	0.0
							305	0.0	0.0	0.0	0.0	0.0	0.0
							404	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	EXP-01	4.97	SE	40.0	oz/a	PRE	102	99.0	99.0	99.0	0.0	0.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	201	99.0	99.0	99.0	0.0	0.0	99.0
	AMSOL			2.5	% v/v	POST	306	99.0	99.0	99.0	0.0	0.0	99.0
							401	99.0	99.0	99.0	5.0	0.0	99.0
							Mean =	99.0	99.0	99.0	1.3	0.0	99.0
3	ZIDUA PRO	4.09	SC	6.0	oz/a	PRE	103	99.0	99.0	99.0	50.0	0.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	206	99.0	99.0	99.0	50.0	0.0	99.0
	AMSOL			2.5	% v/v	POST	301	99.0	99.0	99.0	30.0	0.0	99.0
							405	99.0	99.0	99.0	40.0	0.0	99.0
							Mean =	99.0	99.0	99.0	42.5	0.0	99.0
4	TRICOR	4	F	8.0	oz/a	PRE	104	99.0	99.0	99.0	5.0	5.0	99.0
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	205	99.0	99.0	99.0	0.0	5.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	302	99.0	95.0	99.0	0.0	5.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	403	99.0	99.0	99.0	0.0	0.0	99.0
	AMSOL			2.5	% v/v	POST							
							Mean =	99.0	98.0	99.0	1.3	3.8	99.0
5	TRICOR	4	F	8.0	oz/a	PRE	105	99.0	99.0	99.0	5.0	5.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	203	99.0	95.0	99.0	0.0	5.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	304	99.0	99.0	99.0	0.0	5.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	406	99.0	99.0	99.0	0.0	0.0	99.0
	AMSOL			2.5	% v/v	POST							
							Mean =	99.0	98.0	99.0	1.3	3.8	99.0
6	TRICOR	4	F	8.0	oz/a	PRE	106	99.0	95.0	99.0	10.0	15.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	204	95.0	99.0	99.0	10.0	15.0	99.0
	REFLEX	2	SL	24.0	oz/a	POST	303	99.0	90.0	99.0	10.0	15.0	99.0
	CLASSIC	25	DG	0.5	oz/a	POST	402	99.0	99.0	99.0	5.0	15.0	99.0
	INDUCE			0.25	% v/v	POST							
							Mean =	98.0	95.8	99.0	8.8	15.0	99.0

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS											
Trial ID: SB-05B-25			Study Dir.: Investigator: Eric P. Prostko								
Location: PONDER FARM											
Weed Code						Agrass	Molve	-----	-----	Amapa	Rapra
Crop Code						-----	-----	Glyma	Glyma	-----	-----
Rating Data Type						Control	Control	Stunting	Necrosis	Control	Control
Rating Unit						%	%	%	%	%	%
Rating Date						Jun-17-25	Jun-17-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25
Trt	Treatment	Form	Form	Rate	Grow						
No.	Name	Conc	Type	Rate	Unit	Stg	Plot				
1	NTC						101	0.0	0.0	0.0	0.0
							202	0.0	0.0	0.0	0.0
							305	0.0	0.0	0.0	0.0
							404	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0
2	EXP-01	4.97	SE	40.0	oz/a	PRE	102	99.0	99.0	0.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	201	99.0	99.0	0.0	99.0
	AMSOL			2.5	% v/v	POST	306	99.0	99.0	0.0	99.0
							401	99.0	99.0	0.0	99.0
							Mean =	99.0	99.0	0.0	99.0
3	ZIDUA PRO	4.09	SC	6.0	oz/a	PRE	103	99.0	99.0	40.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	206	99.0	99.0	40.0	99.0
	AMSOL			2.5	% v/v	POST	301	99.0	99.0	30.0	99.0
							405	99.0	99.0	35.0	99.0
							Mean =	99.0	99.0	36.3	99.0
4	TRICOR	4	F	8.0	oz/a	PRE	104	99.0	99.0	0.0	99.0
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	205	99.0	99.0	0.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	302	99.0	99.0	0.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	403	99.0	99.0	0.0	95.0
	AMSOL			2.5	% v/v	POST					
							Mean =	99.0	99.0	0.0	98.0
5	TRICOR	4	F	8.0	oz/a	PRE	105	99.0	99.0	0.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	203	99.0	99.0	0.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	304	99.0	99.0	0.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	406	99.0	99.0	0.0	99.0
	AMSOL			2.5	% v/v	POST					
							Mean =	99.0	99.0	0.0	99.0
6	TRICOR	4	F	8.0	oz/a	PRE	106	99.0	99.0	0.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	204	99.0	99.0	5.0	99.0
	REFLEX	2	SL	24.0	oz/a	POST	303	99.0	99.0	0.0	99.0
	CLASSIC	25	DG	0.5	oz/a	POST	402	99.0	99.0	0.0	99.0
	INDUCE			0.25	% v/v	POST					
							Mean =	99.0	99.0	1.3	99.0

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS									
Trial ID: SB-05B-25		Study Dir.:							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code							Agrass	Molve	
Crop Code							-----	-----	
Rating Data Type							Control	Control	
Rating Unit							%	%	
Rating Date							Jun-30-25	Jun-30-25	
Trt	Treatment	Form	Form	Rate	Grow				
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	26	27
1	NTC						101	0.0	0.0
							202	0.0	0.0
							305	0.0	0.0
							404	0.0	0.0
							Mean =	0.0	0.0
2	EXP-01	4.97	SE	40.0	oz/a	PRE	102	99.0	9.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	201	99.0	99.0
	AMSOL			2.5	% v/v	POST	306	99.0	99.0
							401	99.0	99.0
							Mean =	99.0	76.5
3	ZIDUA PRO	4.09	SC	6.0	oz/a	PRE	103	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	206	99.0	99.0
	AMSOL			2.5	% v/v	POST	301	99.0	99.0
							405	99.0	99.0
							Mean =	99.0	99.0
4	TRICOR	4	F	8.0	oz/a	PRE	104	99.0	99.0
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	205	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	302	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	403	99.0	99.0
	AMSOL			2.5	% v/v	POST			
							Mean =	99.0	99.0
5	TRICOR	4	F	8.0	oz/a	PRE	105	99.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	203	99.0	99.0
	LIBERTY ULTRA	1.76	SL	32.0	oz/a	POST	304	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	406	99.0	99.0
	AMSOL			2.5	% v/v	POST			
							Mean =	99.0	99.0
6	TRICOR	4	F	8.0	oz/a	PRE	106	99.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	PRE	204	99.0	99.0
	REFLEX	2	SL	24.0	oz/a	POST	303	99.0	99.0
	CLASSIC	25	DG	0.5	oz/a	POST	402	99.0	99.0
	INDUCE			0.25	% v/v	POST			
							Mean =	99.0	99.0

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GENERAL WEED CONTROL IN SOYBEANS PRE + POST PROGRAMS	
Trial ID: SB-05B-25	Study Dir.:
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	