

University of Georgia

PREPLANT APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-02-17 Study Dir.: STANLEY ROYAL (USA-17-130)
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.78211 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	TRIVENCE	61.3	WG	8.0	oz/a	PPLNT	A	5.991 g/mx	101	208	302	411
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
2	TRIVENCE	61.3	WG	8.0	oz/a	PPLNT	A	5.991 g/mx	102	206	312	409
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
	CINCH	7.64	EC	16.0	oz/a	POST	B	12.5 ml/mx				
3	ENVIVE	41.3	WG	3.5	oz/a	PPLNT	A	2.621 g/mx	103	211	310	412
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
4	ENVIVE	41.3	WG	3.5	oz/a	PPLNT	A	2.621 g/mx	104	212	309	410
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
	CINCH	7.64	EC	16.0	oz/a	POST	B	12.5 ml/mx				
5	CANOPY	75	WG	6.0	oz/a	PPLNT	A	4.493 g/mx	105	209	303	406
	CINCH	7.64	EC	16.0	oz/a	PPLNT	A	12.5 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
6	CANOPY	75	WG	6.0	oz/a	PPLNT	A	4.493 g/mx	106	204	307	408
	CINCH	7.64	EC	16.0	oz/a	PPLNT	A	12.5 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
	CINCH	7.64	EC	16.0	oz/a	POST	B	12.5 ml/mx				
7	GRAMOXONE	2	SL	48.0	oz/a	PPLNT	A	37.5 ml/mx	107	205	304	405
	CANOPY	75	WG	5.3	oz/a	PPLNT	A	3.969 g/mx				
	NIS			0.25	% v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	ENGENIA	5	SL	12.8	oz/a	POST	B	9.999 ml/mx				
	CINCH	7.64	EC	16.0	oz/a	POST	B	12.5 ml/mx				
	8	GRAMOXONE	2	SL	48.0	oz/a	PPLNT	A				
VALOR SX		51	WG	3.0	oz/a	PPLNT	A	2.247 g/mx				
NIS				0.25	% v/v	PPLNT	A	3.75 ml/mx				
ROUNDUP P-MAX		5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
ENGENIA		5	SL	12.8	oz/a	POST	B	9.999 ml/mx				
CINCH		7.64	EC	16.0	oz/a	POST	B	12.5 ml/mx				
9		AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	1.872 g/mx	109	203	306
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL		oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				

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Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.78211 liters calculated mix size)

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
10	AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	1.872 g/mx	110	207	301	402
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	17.19 ml/mx				
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B	17.19 ml/mx				
	CINCH	7.64	EC	16.0	% w/w	POST	B	240.0 ml/mx				
11	NTC								111	202	311	401
12	NTC								112	210	305	404

Sort Order: Treatment

	Trial Comments
<p>LAST TILLAGE: APRIL 12</p> <p>TRIVENCE = FLUMIOXAZIN (12.8%) + METRIBUZIN (44.6%) + CHLORIMURON (3.9%) ENVIVE = FLUMIOXAZIN (29.2%) + CHLORIMURON (9.2%) + THIFENSULFURON (2.9%) CANOPY = METRIBUZIN (64.3%) + CHLORIMURON (10.7%) AFFORIA = FLUMIOXAZIN (40.8%) + THIFENSULFURON (5%) + TRIBENURON (5%)</p> <p>NIS = ADEPT</p> <p>AIXR NOZZLE TIPS WERE USED FOR PREPLANT TREATMENTS #7, 8, 9.</p> <p>AGRASS = A NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, AND GOOSEGRASS.</p> <p>AVERAGE PLOT GRAIN MOISTURE: 15.8% YIELDS ADJUSTED TO 13% MOISTURE. MISSING YIELD DATA DUE TO COMBINE PROBLEMS.</p> <p><u>SUMMARY:</u></p> <p>1) ALL PPLNT TREATMENTS PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH AND FLORIDA BEGGARWEED FOR AT LEAST 30 DAYS AFTER APPLICATION.</p> <p>2) GRASS CONTROL WITH THE FOLLOWING PPLNT TREATMENTS STARTED TO BREAK DOWN AT 21 DAT (<90% CONTROL)::</p> <p>CANOPY + CINCH + ABUNDIT EDGE + FEXAPAN (PPLNT) GRAMOXONE + CANOPY (PPLNT)</p> <p>3) NONE OF THE PPLNT TREATMENTS CAUSED SIGNIFICANT CROP INJURY AT 6 DAYS AFTER PLANTING.</p> <p>4) AFTER THE POST TREATMENTS WERE APPLIED, PALMER AMARANTH AND FLORIDA BEGGARWEED CONTROL WAS EXCELLENT REGARDLESS OF TREATMENT.</p> <p>5) ALL HERBICIDE TREATED PLOTS HAD HIGHER YIELDS THAN THE NTC. GENERALLY, THERE WAS NO DIFFERENCE IN YIELD BETWEEN TREATMENTS WITH THE FOLLOWING EXCEPTION:</p> <p>ENVIVE + FEXAPAN + ABUNDIT EDGE (PPLNT) FB ABUNDIT EDGE + FEXAPAN (POST) HAD 14% LOWER YIELDS THAN TRIVENCE + FEXAPAN + ABUNDIT EDGE (PPLNT) FB ABUNDIT EDGE + FEXAPAN (POST)</p>	

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PREPLANT APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-02-17 Study Dir.: STANLEY ROYAL (USA-17-130)
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: STANLEY ROYAL (USA-17-130) **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.** DEDTO FLORIDA BEGGARWEED
Weed 3. AGRAA T.PANICUUM/CRAB/CROW/GOOSE **4.** _____

Crop 1: GLYMA SOYBEAN **Variety:** ASGROW AG 59X7 **Planting Date:** May-17-17
Planting Method: MONOSEM **Rate:** 130680 SEED/HA **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 30 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: _____

Previous: Crops	Pesticides	Year
1. _____	_____	_____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.61 **% Sand:** 94 **% Silt:** 2 **% Clay:** 4
pH: 6.3 **CEC:** 3.0 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-1-17	0.1	_____	IN	RAINFALL	_____	_____
2.	May-2-17	0.01	_____	IN	RAINFALL	_____	_____
3.	May-3-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
4.	May-4-17	1.47	_____	IN	RAINFALL	_____	_____
5.	May-10-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
6.	May-11-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
7.	May-15-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
8.	May-17-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
9.	May-19-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
10.	May-21-17	0.11	_____	IN	RAINFALL	_____	_____
11.	May-22-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
12.	May-31-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____
13.	Jun-1-17	0.5	_____	IN	SPRINKLER - LATERAL MOVE	_____	_____

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

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-2-17	Jun-9-17		_____	_____	_____	_____
Time of Day:	7:30 AM	8:00 AM		_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST		_____	_____	_____	_____
Application Timing:	PPLNT	POST		_____	_____	_____	_____
Applic. Placement:	FOL/SOIL	FOLIAGE		_____	_____	_____	_____
Air Temp., Unit:	58 F	66 F		_____	_____	_____	_____
% Relative Humidity:	86	100		_____	_____	_____	_____
Wind Velocity, Unit:	3 MPH	3 MPH		_____	_____	_____	_____
Dew Presence (Y/N):	Y	Y		_____	_____	_____	_____
Water Hardness:	--	--		_____	_____	_____	_____
Soil Temp., Unit:	67 F	71 F		_____	_____	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM		_____	_____	_____	_____
% Cloud Cover:	0	0		_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: GLYMA	_____	_____	_____	_____	_____	_____
Stage Scale:	_____ V5	_____	_____	_____	_____	_____	_____
Height, Unit:	_____ 9 IN	_____	_____	_____	_____	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA 0.5-4"	3-5"	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____
Weed 2	Stage: DEDTO 0.5-1"	NONE UP	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____
Weed 3	Stage: AGRAA 0.5-1"	3-5"	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK		_____	_____	_____	_____
Operating Pressure:	35	38		_____	_____	_____	_____
Nozzle Type:	AIXR/TTI	TTI		_____	_____	_____	_____
Nozzle Size:	11002/02	02		_____	_____	_____	_____
Nozzle Spacing, Unit:	18	IN	20 IN	_____	_____	_____	_____
Nozzles/Row:	2	_____		_____	_____	_____	_____
Band Width, Unit:	_____	_____		_____	_____	_____	_____
Boom Length, Unit:	72	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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PREPLANT APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-02-17 Study Dir.: STANLEY ROYAL (USA-17-130)
 Location: PONDER FARM Investigator: Eric P. Prostko

						AMAPA	AGRASS	DEDTO	AMAPA	AGRASS	DEDTO	
						-----	-----	-----	-----	-----	-----	
						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
						May-8-17	May-8-17	May-8-17	May-15-17	May-15-17	May-15-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	98.8 ab	97.5 ab	100.0 a	100.0 a	95.0 b	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
2	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	98.8 ab	100.0 a	100.0 a	100.0 a	96.3 ab	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
3	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	95.0 c	96.3 bc	100.0 a	98.8 a	96.3 ab	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
4	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	96.3 bc	95.0 bc	100.0 a	98.8 a	96.3 ab	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
5	CANOPY	75	WG	6.0 oz/a	PPLNT	A	96.3 bc	95.0 bc	100.0 a	100.0 a	96.3 ab	100.0 a
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
6	CANOPY	75	WG	6.0 oz/a	PPLNT	A	97.5 abc	93.8 c	100.0 a	100.0 a	95.0 b	100.0 a
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
7	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	100.0 a	100.0 a	100.0 a	100.0 a	97.5 ab	100.0 a
	CANOPY	75	WG	5.3 oz/a	PPLNT	A						
	NIS			0.25 % v/v	PPLNT	A						
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B						
	ENGENIA	5	SL	12.8 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
8	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	100.0 a	100.0 a	100.0 a	100.0 a	98.8 a	100.0 a
	VALOR SX	51	WG	3.0 oz/a	PPLNT	A						
	NIS			0.25 % v/v	PPLNT	A						
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B						
	ENGENIA	5	SL	12.8 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
9	AFFORIA	50.8	WG	2.5 oz/a	PPLNT	A	97.5 abc	100.0 a	100.0 a	98.8 a	97.5 ab	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						

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=8,16,17
 Could not calculate LSD (% mean diff) for columns 3,6,10,14 because error mean square = 0.

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Weed Code							AMAPA	AGRASS	DEDTO	AMAPA	AGRASS	DEDTO	
Crop Code							----	----	----	----	----	----	
Part Rated													
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date							May-8-17	May-8-17	May-8-17	May-15-17	May-15-17	May-15-17	
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
10	AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	97.5 abc	100.0 a	100.0 a	100.0 a	97.5 ab	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B						
	CINCH	7.64	EC	16.0	% w/w	POST	B						
11	NTC							0.0 d	0.0 d	0.0 b	0.0 b	0.0 c	0.0 b
12	NTC							0.0 d	0.0 d	0.0 b	0.0 b	0.0 c	0.0 b
LSD P=.10							2.80	2.87	.	1.48	2.59	.	.
Standard Deviation							2.34	2.40	0.00	1.24	2.17	0.00	0.00
CV							2.88	2.94	0.0	1.49	2.69	0.0	0.0
Grand Mean							81.46	81.46	83.33	83.02	80.52	83.33	83.33
Bartlett's X2							3.199	3.049	0.0	0.0	1.363	0.0	0.0
P(Bartlett's X2)							0.866	0.384	.	.	0.995	.	.
Replicate F							4.172	1.330	0.000	1.247	4.556	0.000	0.000
Replicate Prob(F)							0.0131	0.2814	1.0000	0.3083	0.0089	1.0000	1.0000
Treatment F							1055.966	1011.725	0.000	3929.908	1208.111	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0001	0.0001	1.0000	1.0000

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=8,16,17

Could not calculate LSD (% mean diff) for columns 3,6,10,14 because error mean square = 0.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							AMAPA ----- CONTROL PERCENT May-23-17	DEDTO ----- CONTROL PERCENT May-23-17	AGRASS ----- CONTROL PERCENT May-23-17	----- GLYMA PLANT - STUNTING PERCENT May-23-17	AMAPA ----- CONTROL PERCENT Jun-5-17	DEDTO ----- CONTROL PERCENT Jun-5-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	100.0 a	100.0 a	92.5 a	0.0 a	100.0 a	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
2	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	100.0 a	97.5 ab	93.8 a	0.0 a	100.0 a	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
3	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	100.0 a	98.8 ab	91.3 a	0.0 a	100.0 a	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
4	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	100.0 a	100.0 a	91.3 a	0.0 a	98.8 a	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
5	CANOPY	75	WG	6.0 oz/a	PPLNT	A	100.0 a	100.0 a	73.8 b	0.0 a	100.0 a	98.8 ab
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
6	CANOPY	75	WG	6.0 oz/a	PPLNT	A	100.0 a	93.3 b	88.8 a	0.0 a	98.8 a	98.8 ab
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
7	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	100.0 a	87.5 c	63.8 b	0.0 a	92.5 b	97.5 b
	CANOPY	75	WG	5.3 oz/a	PPLNT	A						
	NIS			0.25 % v/v	PPLNT	A						
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B						
	ENGENIA	5	SL	12.8 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
8	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	100.0 a	100.0 a	96.3 a	0.0 a	100.0 a	100.0 a
	VALOR SX	51	WG	3.0 oz/a	PPLNT	A						
	NIS			0.25 % v/v	PPLNT	A						
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B						
	ENGENIA	5	SL	12.8 oz/a	POST	B						
	CINCH	7.64	EC	16.0 oz/a	POST	B						
9	AFFORIA	50.8	WG	2.5 oz/a	PPLNT	A	98.8 b	100.0 a	96.3 a	0.0 a	100.0 a	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						

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=8,16,17
 Could not calculate LSD (% mean diff) for columns 3,6,10,14 because error mean square = 0.

University of Georgia

Weed Code							AMAPA	DEDTO	AGRASS	-----	AMAPA	DEDTO	
Crop Code							-----	-----	-----	GLYMA	-----	-----	
Part Rated										PLANT -			
Rating Data Type							CONTROL	CONTROL	CONTROL	STUNTING	CONTROL	CONTROL	
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date							May-23-17	May-23-17	May-23-17	May-23-17	Jun-5-17	Jun-5-17	
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
10	AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	98.8 b	100.0 a	93.8 a	0.0 a	98.8 a	100.0 a
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A						
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A						
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B						
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B						
	CINCH	7.64	EC	16.0	% w/w	POST	B						
11	NTC							0.0 c	0.0 d	0.0 c	0.0 a	0.0 c	0.0 c
12	NTC							0.0 c	0.0 d	0.0 c	0.0 a	0.0 c	0.0 c
LSD	P=.10							1.24	5.78	11.92	.	1.71	1.59
	Standard Deviation							1.04	4.81	9.96	0.00	1.43	1.33
	CV							1.25	5.91	13.57	0.0	1.73	1.6
	Grand Mean							83.13	81.42	73.44	0.00	82.40	82.92
	Bartlett's X2							0.0	13.358	27.079	0.0	0.094	0.083
	P(Bartlett's X2)							.	0.004*	0.001*	.	0.993	0.959
	Replicate F							0.647	0.582	3.923	0.000	2.302	0.786
	Replicate Prob(F)							0.5904	0.6314	0.0168	1.0000	0.0952	0.5105
	Treatment F							5619.706	252.217	51.211	0.000	2918.768	3395.786
	Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

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 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=8,16,17
 Could not calculate LSD (% mean diff) for columns 3,6,10,14 because error mean square = 0.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							AGRASS ----- CONTROL PERCENT Jun-5-17	AMAPA ----- CONTROL PERCENT Jul-21-17	DEDTO ----- CONTROL PERCENT Jul-21-17	----- GLYMA PLOT - YIELD LBS/PLOT Oct-11-17 - 1	----- GLYMA PLOT - YIELD BU/A Oct-11-17 TY1 - 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	13	14	15	16	17
1	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	80.0 ab	100.0 a	100.0 a	8.2 ab	46.3 ab
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
2	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	85.0 ab	100.0 a	100.0 a	8.5 a	47.8 a
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
3	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	87.5 ab	100.0 a	100.0 a	7.3 b	40.9 b
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
4	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	83.8 ab	100.0 a	100.0 a	7.9 ab	44.3 ab
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
5	CANOPY	75	WG	6.0 oz/a	PPLNT	A	72.5 b	100.0 a	100.0 a	7.6 ab	42.6 ab
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
6	CANOPY	75	WG	6.0 oz/a	PPLNT	A	73.8 b	100.0 a	100.0 a	7.9 ab	44.4 ab
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
7	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	55.0 c	100.0 a	100.0 a	7.7 ab	43.4 ab
	CANOPY	75	WG	5.3 oz/a	PPLNT	A					
	NIS			0.25 % v/v	PPLNT	A					
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B					
	ENGENIA	5	SL	12.8 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
8	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	93.8 a	100.0 a	100.0 a	8.2 ab	46.1 ab
	VALOR SX	51	WG	3.0 oz/a	PPLNT	A					
	NIS			0.25 % v/v	PPLNT	A					
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B					
	ENGENIA	5	SL	12.8 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
9	AFFORIA	50.8	WG	2.5 oz/a	PPLNT	A	87.5 ab	100.0 a	100.0 a	7.5 ab	41.9 ab
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					

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 Missing data estimates are included in columns: Average=8,16,17
 Could not calculate LSD (% mean diff) for columns 3,6,10,14 because error mean square = 0.

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							AGRASS	AMAPA	DEDTO	-----	-----
							-----	-----	-----	GLYMA	GLYMA
							CONTROL	CONTROL	CONTROL	PLOT -	PLOT -
							PERCENT	PERCENT	PERCENT	YIELD	YIELD
							Jun-5-17	Jul-21-17	Jul-21-17	LBS/PLOT	BU/A
										Oct-11-17	Oct-11-17
										- 1	TY1
										- 1	- 1
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Stg	Code	13	14	15	16	17
10	AFFORIA	50.8	WG	2.5 oz/a	PPLNT	A	90.0 a	100.0 a	77.5 b	8.1 ab	45.4 ab
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A					
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A					
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 % w/w	POST	B					
11	NTC						0.0 d	0.0 b	0.0 c	0.0 c	0.0 c
12	NTC						0.0 d	0.0 b	0.0 c	0.0 c	0.0 c
LSD	P=.10						15.21	.	15.55	1.11	6.24
	Standard Deviation						12.71	0.00	12.99	0.92	5.20
	CV						18.86	0.0	15.95	14.08	14.08
	Grand Mean						67.40	83.33	81.46	6.57	36.92
	Bartlett's X2						14.519	0.0	0.0	6.222	6.222
	P(Bartlett's X2)						0.105	.	.	0.718	0.718
	Replicate F						8.259	0.000	1.000	1.483	1.483
	Replicate Prob(F)						0.0003	1.0000	0.4051	0.2392	0.2392
	Treatment F						27.141	0.000	35.299	44.583	44.583
	Treatment Prob(F)						0.0001	1.0000	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.
 Missing data estimates are included in columns: Average=8,16,17
 Could not calculate LSD (% mean diff) for columns 3,6,10,14 because error mean square = 0.

University of Georgia

PREPLANT APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-02-17 Study Dir.: STANLEY ROYAL (USA-17-130)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

PRM Data Type

TY1 = 5.621076*[16]

University of Georgia

PREPLANT APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-02-17 Study Dir.: STANLEY ROYAL (USA-17-130)
 Location: PONDER FARM Investigator: Eric P. Prostko

						AMAPA	AGRASS	DEDTO	AMAPA	AGRASS	DEDTO
						-----	-----	-----	-----	-----	-----
						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
						May-8-17	May-8-17	May-8-17	May-15-17	May-15-17	May-15-17
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Stg	Code	Plot	1	2	3	4
				Unit							
1	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	101	100.0	100.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	208	95.0	95.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	302	100.0	95.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	411	100.0	100.0	100.0	90.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					100.0
							Mean =	98.8	97.5	100.0	100.0
2	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	102	100.0	100.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	206	100.0	100.0	100.0	95.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	312	95.0	100.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	409	100.0	100.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					100.0
	CINCH	7.64	EC	16.0 oz/a	POST	B					
							Mean =	98.8	100.0	100.0	96.3
3	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	103	95.0	95.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	211	90.0	95.0	100.0	95.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	310	95.0	95.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	412	100.0	100.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					100.0
							Mean =	95.0	96.3	100.0	98.8
4	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	104	95.0	95.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	212	95.0	95.0	100.0	95.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	309	95.0	95.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	410	100.0	95.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					100.0
	CINCH	7.64	EC	16.0 oz/a	POST	B					
							Mean =	96.3	95.0	100.0	98.8
5	CANOPY	75	WG	6.0 oz/a	PPLNT	A	105	95.0	95.0	100.0	100.0
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A	209	95.0	90.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	303	100.0	100.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	406	95.0	95.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					100.0
							Mean =	96.3	95.0	100.0	100.0
6	CANOPY	75	WG	6.0 oz/a	PPLNT	A	106	95.0	95.0	100.0	100.0
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A	204	95.0	95.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	307	100.0	85.0	100.0	95.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	408	100.0	100.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					100.0
	CINCH	7.64	EC	16.0 oz/a	POST	B					
							Mean =	97.5	93.8	100.0	100.0
7	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	107	100.0	100.0	100.0	100.0
	CANOPY	75	WG	5.3 oz/a	PPLNT	A	205	100.0	100.0	100.0	95.0
	NIS			0.25 % v/v	PPLNT	A	304	100.0	100.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	405	100.0	100.0	100.0	100.0
	ENGENIA	5	SL	12.8 oz/a	POST	B					100.0
	CINCH	7.64	EC	16.0 oz/a	POST	B					
							Mean =	100.0	100.0	100.0	97.5
8	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	108	100.0	100.0	100.0	95.0
	VALOR SX	51	WG	3.0 oz/a	PPLNT	A	201	100.0	100.0	100.0	100.0
	NIS			0.25 % v/v	PPLNT	A	308	100.0	100.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	403	100.0	100.0	100.0	100.0
	ENGENIA	5	SL	12.8 oz/a	POST	B					100.0
	CINCH	7.64	EC	16.0 oz/a	POST	B					
							Mean =	100.0	100.0	100.0	98.8

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.					AMAPA ----- CONTROL PERCENT May-8-17	AGRASS ----- CONTROL PERCENT May-8-17	DEDTO ----- CONTROL PERCENT May-8-17	AMAPA ----- CONTROL PERCENT May-15-17	AGRASS ----- CONTROL PERCENT May-15-17	DEDTO ----- CONTROL PERCENT May-15-17		
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	6
9	AFFORIA	50.8	WG	2.5 oz/a	PPLNT	A 109	100.0	100.0	100.0	100.0	95.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 203	90.0	100.0	100.0	95.0	95.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 306	100.0	100.0	100.0	100.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	oz/a	POST	B 407	100.0	100.0	100.0	100.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
						Mean =	97.5	100.0	100.0	98.8	97.5	100.0
10	AFFORIA	50.8	WG	2.5 oz/a	PPLNT	A 110	100.0	100.0	100.0	100.0	95.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 207	95.0	100.0	100.0	100.0	95.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 301	95.0	100.0	100.0	100.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B 402	100.0	100.0	100.0	100.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B						
	CINCH	7.64	EC	16.0 % w/w	POST	B						
						Mean =	97.5	100.0	100.0	100.0	97.5	100.0
11	NTC					111	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
						311	0.0	0.0	0.0	0.0	0.0	0.0
						401	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
12	NTC					112	0.0	0.0	0.0	0.0	0.0	0.0
						210	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

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						AMAPA ----- CONTROL PERCENT May-23-17	DEDTO ----- CONTROL PERCENT May-23-17	AGRASS ----- CONTROL PERCENT May-23-17	----- GLYMA PLANT - STUNTING PERCENT May-23-17	AMAPA ----- CONTROL PERCENT Jun-5-17	DEDTO ----- CONTROL PERCENT Jun-5-17		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Stg	Code	Plot	7	8	9	10	11	12
1	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	101	100.0	100.0	95.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	208	100.0	100.0	85.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	302	100.0	100.0	100.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	411	100.0	100.0	90.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B							
							Mean =	100.0	100.0	92.5	0.0	100.0	100.0
2	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A	102	100.0	100.0	100.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	206	100.0	95.0	95.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	312	100.0	95.0	85.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	409	100.0	100.0	95.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B							
	CINCH	7.64	EC	16.0 oz/a	POST	B							
							Mean =	100.0	97.5	93.8	0.0	100.0	100.0
3	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	103	100.0	100.0	95.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	211	100.0	100.0	85.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	310	100.0	95.0	85.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	412	100.0	100.0	100.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B							
							Mean =	100.0	98.8	91.3	0.0	100.0	100.0
4	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A	104	100.0	100.0	85.0	0.0	95.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	212	100.0	100.0	90.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	309	100.0	100.0	90.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B	410	100.0	100.0	100.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B							
	CINCH	7.64	EC	16.0 oz/a	POST	B							
							Mean =	100.0	100.0	91.3	0.0	98.8	100.0
5	CANOPY	75	WG	6.0 oz/a	PPLNT	A	105	100.0	.	50.0	0.0	100.0	100.0
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A	209	100.0	.	50.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	303	100.0	100.0	100.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	406	100.0	100.0	95.0	0.0	100.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B							
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B							
							Mean =	100.0	100.0	73.8	0.0	100.0	98.8
6	CANOPY	75	WG	6.0 oz/a	PPLNT	A	106	100.0	.	75.0	0.0	100.0	100.0
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A	204	100.0	95.0	95.0	0.0	95.0	95.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A	307	100.0	90.0	85.0	0.0	100.0	100.0
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A	408	100.0	95.0	100.0	0.0	100.0	100.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B							
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B							
	CINCH	7.64	EC	16.0 oz/a	POST	B							
							Mean =	100.0	93.3	88.8	0.0	98.8	98.8
7	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	107	100.0	95.0	50.0	0.0	90.0	100.0
	CANOPY	75	WG	5.3 oz/a	PPLNT	A	205	100.0	95.0	50.0	0.0	90.0	100.0
	NIS			0.25 % v/v	PPLNT	A	304	100.0	95.0	65.0	0.0	95.0	95.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	405	100.0	65.0	90.0	0.0	95.0	95.0
	ENGENIA	5	SL	12.8 oz/a	POST	B							
	CINCH	7.64	EC	16.0 oz/a	POST	B							
							Mean =	100.0	87.5	63.8	0.0	92.5	97.5
8	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A	108	100.0	100.0	95.0	0.0	100.0	100.0
	VALOR SX	51	WG	3.0 oz/a	PPLNT	A	201	100.0	100.0	95.0	0.0	100.0	100.0
	NIS			0.25 % v/v	PPLNT	A	308	100.0	100.0	95.0	0.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	403	100.0	100.0	100.0	0.0	100.0	100.0
	ENGENIA	5	SL	12.8 oz/a	POST	B							
	CINCH	7.64	EC	16.0 oz/a	POST	B							
							Mean =	100.0	100.0	96.3	0.0	100.0	100.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.					AMAPA ----- CONTROL PERCENT May-23-17	DEDTO ----- CONTROL PERCENT May-23-17	AGRASS ----- CONTROL PERCENT May-23-17	----- GLYMA PLANT - STUNTING PERCENT May-23-17	AMAPA ----- CONTROL PERCENT Jun-5-17	DEDTO ----- CONTROL PERCENT Jun-5-17			
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
9 AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	109	100.0	100.0	95.0	0.0	100.0	100.0
ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	203	95.0	100.0	95.0	0.0	100.0	100.0
FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	306	100.0	100.0	95.0	0.0	100.0	100.0
ABUNDIT EDGE	5.5	SL		oz/a	POST	B	407	100.0	100.0	100.0	0.0	100.0	100.0
FEXAPAN	2.9	SL	22.0	oz/a	POST	B							
							Mean =	98.8	100.0	96.3	0.0	100.0	100.0
10 AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	110	95.0	100.0	85.0	0.0	95.0	100.0
ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	207	100.0	100.0	90.0	0.0	100.0	100.0
FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	301	100.0	100.0	100.0	0.0	100.0	100.0
ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	402	100.0	100.0	100.0	0.0	100.0	100.0
FEXAPAN	2.9	SL	22.0	oz/a	POST	B							
CINCH	7.64	EC	16.0	% w/w	POST	B							
							Mean =	98.8	100.0	93.8	0.0	98.8	100.0
11 NTC							111	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
							311	0.0	0.0	0.0	0.0	0.0	0.0
							401	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
12 NTC							112	0.0	0.0	0.0	0.0	0.0	0.0
							210	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

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						AGRASS ----- CONTROL PERCENT Jun-5-17	AMAPA ----- CONTROL PERCENT Jul-21-17	DEDTO ----- CONTROL PERCENT Jul-21-17	----- GLYMA PLOT - YIELD LBS/PLOT Oct-11-17	----- GLYMA PLOT - YIELD BU/A Oct-11-17 TY1	
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	13	14	15	16	17
1	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A 101	75.0	100.0	100.0	9.1	51.2
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 208	50.0	100.0	100.0	.	.
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 302	100.0	100.0	100.0	8.3	46.7
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B 411	95.0	100.0	100.0	7.3	41.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
						Mean =	80.0	100.0	100.0	8.2	46.3
2	TRIVENCE	61.3	WG	8.0 oz/a	PPLNT	A 102	85.0	100.0	100.0	8.5	47.8
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 206	90.0	100.0	100.0	9.0	50.6
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 312	75.0	100.0	100.0	8.0	45.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B 409	90.0	100.0	100.0	8.5	47.8
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
						Mean =	85.0	100.0	100.0	8.5	47.8
3	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A 103	85.0	100.0	100.0	6.1	34.3
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 211	80.0	100.0	100.0	8.1	45.5
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 310	85.0	100.0	100.0	7.8	43.8
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B 412	100.0	100.0	100.0	7.1	39.9
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
						Mean =	87.5	100.0	100.0	7.3	40.9
4	ENVIVE	41.3	WG	3.5 oz/a	PPLNT	A 104	60.0	100.0	100.0	8.9	50.0
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 212	85.0	100.0	100.0	9.3	52.3
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 309	90.0	100.0	100.0	6.9	38.8
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B 410	100.0	100.0	100.0	6.4	36.0
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
						Mean =	83.8	100.0	100.0	7.9	44.3
5	CANOPY	75	WG	6.0 oz/a	PPLNT	A 105	50.0	100.0	100.0	7.9	44.4
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A 209	50.0	100.0	100.0	6.5	36.5
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 303	95.0	100.0	100.0	9.0	50.6
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 406	95.0	100.0	100.0	6.9	38.8
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
						Mean =	72.5	100.0	100.0	7.6	42.6
6	CANOPY	75	WG	6.0 oz/a	PPLNT	A 106	50.0	100.0	100.0	8.6	48.3
	CINCH	7.64	EC	16.0 oz/a	PPLNT	A 204	85.0	100.0	100.0	8.5	47.8
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	PPLNT	A 307	75.0	100.0	100.0	7.5	42.2
	FEXAPAN	2.9	SL	22.0 oz/a	PPLNT	A 408	85.0	100.0	100.0	7.0	39.3
	ABUNDIT EDGE	5.5	SL	32.0 oz/a	POST	B					
	FEXAPAN	2.9	SL	22.0 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
						Mean =	73.8	100.0	100.0	7.9	44.4
7	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A 107	30.0	100.0	100.0	8.8	49.5
	CANOPY	75	WG	5.3 oz/a	PPLNT	A 205	30.0	100.0	100.0	7.7	43.3
	NIS			0.25 % v/v	PPLNT	A 304	65.0	100.0	100.0	7.1	39.9
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B 405	95.0	100.0	100.0	7.3	41.0
	ENGENIA	5	SL	12.8 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
						Mean =	55.0	100.0	100.0	7.7	43.4
8	GRAMOXONE	2	SL	48.0 oz/a	PPLNT	A 108	85.0	100.0	100.0	.	.
	VALOR SX	51	WG	3.0 oz/a	PPLNT	A 201	95.0	100.0	100.0	8.9	50.0
	NIS			0.25 % v/v	PPLNT	A 308	95.0	100.0	100.0	.	.
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B 403	100.0	100.0	100.0	7.5	42.2
	ENGENIA	5	SL	12.8 oz/a	POST	B					
	CINCH	7.64	EC	16.0 oz/a	POST	B					
						Mean =	93.8	100.0	100.0	8.2	46.1

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.					AGRASS ----- CONTROL PERCENT Jun-5-17	AMAPA ----- CONTROL PERCENT Jul-21-17	DEDTO ----- CONTROL PERCENT Jul-21-17	----- GLYMA PLOT - YIELD LBS/PLOT Oct-11-17 - 1	----- GLYMA PLOT - YIELD BU/A Oct-11-17 TY1 - 1				
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot					
								13	14				
9	AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	109	80.0	100.0	100.0	7.4	41.6
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	203	80.0	100.0	100.0	7.0	39.3
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	306	90.0	100.0	100.0	6.7	37.7
	ABUNDIT EDGE	5.5	SL		oz/a	POST	B	407	100.0	100.0	100.0	8.7	48.9
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B						
								Mean =	87.5	100.0	100.0	7.5	41.9
10	AFFORIA	50.8	WG	2.5	oz/a	PPLNT	A	110	90.0	100.0	100.0	6.6	37.1
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	PPLNT	A	207	75.0	100.0	10.0	9.4	52.8
	FEXAPAN	2.9	SL	22.0	oz/a	PPLNT	A	301	95.0	100.0	100.0	9.6	54.0
	ABUNDIT EDGE	5.5	SL	32.0	oz/a	POST	B	402	100.0	100.0	100.0	6.7	37.7
	FEXAPAN	2.9	SL	22.0	oz/a	POST	B						
	CINCH	7.64	EC	16.0	% w/w	POST	B						
								Mean =	90.0	100.0	77.5	8.1	45.4
11	NTC							111	0.0	0.0	0.0	0.0	0.0
								202	0.0	0.0	0.0	0.0	0.0
								311	0.0	0.0	0.0	0.0	0.0
								401	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
12	NTC							112	0.0	0.0	0.0	0.0	0.0
								210	0.0	0.0	0.0	0.0	0.0
								305	0.0	0.0	0.0	0.0	0.0
								404	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

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PREPLANT APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-02-17 Study Dir.: STANLEY ROYAL (USA-17-130)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

PRM Data Type

TY1 = 5.621076*[16]