

BAS-842-ACH EARLY POST IN PEANUT	
Trial ID: PE-12-24	Study Dir.: JACOB SMITH
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 Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC							-	101	205	308	403
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A		3.516 mL/mx 3.75 mL/mx	1492.7 mL	102	203	305	401
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		3.516 mL/mx 6.25 mL/mx 5.0 mL/mx 3.75 mL/mx	1481.5 mL	103	202	303	402
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		1.953 mL/mx 6.25 mL/mx 5.0 mL/mx 3.75 mL/mx	1483 mL	104	208	307	405
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A		4.687 mL/mx 3.75 mL/mx	1491.6 mL	105	206	301	404
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		4.687 mL/mx 6.25 mL/mx 5.0 mL/mx 3.75 mL/mx	1480.3 mL	106	201	309	408
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		2.539 mL/mx 6.25 mL/mx 5.0 mL/mx 3.75 mL/mx	1482.5 mL	107	209	302	407
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		6.25 mL/mx 12.5 mL/mx 12.5 mL/mx	1468.8 mL	108	204	306	409
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC		8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A		6.25 mL/mx 12.5 mL/mx 5.0 mL/mx 12.5 mL/mx	1463.8 mL	109	207	304	406

Trial	Comments
BAS-842-ACH	BAS-842-ACH = PYROXASULFONE (2.28 LBS/GAL) + IMAZETHAPYR (1.33 LBS/GAL) PROWL H20 @ 32 OZ/A - PRE OVER ENTIRE TEST AREA RAINFALL ON MAY 13 WAS ~3.5 HOURS AFTER TREATMENTS WERE APPLIED. <u>SUMMARY:</u> 1) OBSERVATIONS MADE ON MAY 29 (16 DAT) INDICATED THE FOLLOWING: A) BAS-842ACH ALONE CAUSED PEANUT STUNTING (14-16%) AND LEAF CHLOROSIS (6-8%). TANK-MIXTURES WITH GRAMOXONE + BASAGRAN INCREASED PEANUT INJURY. B) PALMER AMARANTH CONTROL WAS GREATER THAN 91% WITH ALL EPOST TREATMENTS. C) BAS-842ACH PROVIDED AT LEAST 87% CONTROL OF WILD RADISH. CONTROL WAS NOT IMPROVED WITH GRAMOXONE + BASAGRAN TANK-MIXTURES. D) WILD RADISH CONTROL WAS BETTER WHEN ZIDUA WAS APPLIED AT 3.25 OZ/A COMPARED TO 2.5 OZ/A IN A GRAMOXONE + BASAGRAN TANK-MIXTURE. E) GRAMOXONE + "GEORGIA" STORM WAS BETTER (6%) ON WILD RADISH THAN GRAMOXONE + STORM. F) FLORIDA BEGGARWEED CONTROL WAS BETTER WHEN BAS-842ACH WAS APPLIED AT 6 OZ/A WHEN COMPARED TO 4.5 OZ/A (93% VS. 75% CONTROL). GRAMOXONE + BASAGRAN TANK-MIXTURES DID NOT IMPROVE CONTROL.

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G) BAS-842ACH PROVIDED 71-76% CONTROL OF YELLOW NUTSEDGE. CONTROL WAS IMPROVED (14-20%) WHEN TANK-MIXED WITH GRAMOXONE + BASAGRAN.

GENERAL TRIAL INFORMATION

Study Director: JACOB SMITH

Title:

Affiliation:

Postal Code:

Investigator: Eric P. Prostko

Title:

Affiliation:

Postal Code:

TRIAL LOCATION

City:

State/Prov.:

Postal Code:

Country:

E-Longitude of LL Corner °:

Altitude of LL Corner:

Unit:

Directions:

Trial Status:

E

Trial Reliability:

Initiation Date:

Planned Completion Date:

N-Latitude of LL Corner °:

Angle y-axis to North °:

COOPERATOR/LANDOWNER

Cooperator:

Org:

Address 1:

Address 2:

City:

State/Prov:

Postal Code:

Country:

Phone No:

Fax No:

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.	CYPES	NU	TSEDGE SP.
5.	DEDTO	FL	BEGGARWEED

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Trial ID: PE-12-24

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Location: PONDER FARM

Investigator: Eric P. Prostko

Crop 1: ARAHY

PEANUT

Variety: GA-06G

Planting Date: May-1-24

Planting Method: MONOSEM

Rate: 3.5

SEED/FT

Depth: 2

IN

Perennial Age: _____

Row Spacing: _____

Spacing Within Row: _____

Seed Bed: _____

Soil Temperature: _____

Soil Moisture: _____

Emergence Date: _____

Plot Width, Unit: 6 FT

SITE AND DESIGN

Plot Length, Unit: 25 FT

Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: RACOBL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	FIELD CORN		2023

MAINTENANCE

Field Prep./Maintenance: 400 LBS/A 5-15-30 - PREPLANT

36"-9" TWIN ROWS

THIMET 20G INFR @ 7 LBS/A

RANCONA SEED TRT

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: 6.7

Soil Name: TIFTON

% Clay: 2

CEC: 2.5

Fert. Level: GOOD

SOIL DESCRIPTION

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-2-24		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-4-24		0.9	IN	RAINFALL		
3.	May-9-24		0.75	IN	RAINFALL		
4.	May-10-24		0.75	IN	RAINFALL		
5.	May-13-24		1.1	IN	RAINFALL		
6.	May-17-24		0.96	IN	RAINFALL		
7.	May-18-24		1.35	IN	RAINFALL		
8.	May-19-24		0.69	IN	RAINFALL		
9.	May-25-24		0.44	IN	RAINFALL		
10.	May-27-24		0.62	IN	RAINFALL		
11.	Jun-4-24		0.5	IN	SPRINKLER - LATERAL MOVE		
12.	Jun-11-24		0.45	IN	SPRINKLER - LATERAL MOVE		
13.	Jun-17-24		0.4	IN	SPRINKLER - LATERAL MOVE		
14.	Jun-27-24		0.9	IN	RAINFALL		

Overall Moisture Conditions: _____

Closest Weather Station: _____

Distance: _____

Unit: _____

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APPLICATION DESCRIPTION	
	A
Application Date:	May-13-24
Time of Day:	7:15 AM
Application Method:	BROADCAST
Application Timing:	EPOST
Applic. Placement:	FOLIAGE
Air Temp., Unit:	67 F
% Relative Humidity:	83
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	Y
Water Hardness:	--
Soil Temp., Unit:	70 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	100

CROP STAGE AT EACH APPLICATION	
	A
Crop 1 Code, Stage:	ARAHY,
Stage Scale:	V4
Height, Unit:	3, IN

WEED STAGE AT EACH APPLICATION	
	A
Weed 1 Code, Stage:	AGRAS,
Stage Scale:	
Density, Unit:	
Weed 2 Code, Stage:	AMAPA,
Stage Scale:	
Density, Unit:	
Weed 3 Code, Stage:	RAPRA,
Stage Scale:	
Density, Unit:	
Weed 4 Code, Stage:	CYPES,
Stage Scale:	
Density, Unit:	
Weed 5 Code, Stage:	DEDTO,
Stage Scale:	
Density, Unit:	

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APPLICATION EQUIPMENT	
	A
Appl. Equipment:	BACKPACK
Operating Pressure:	35
Nozzle Type:	AIXR
Nozzle Size:	11002
Nozzle Spacing, Unit:	20 IN
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	20 IN
Boom Height, Unit:	20 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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Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Arahy Stunting % May-20-24	Arahy Chlorosis % May-20-24	Arahy Necrosis % May-20-24	Amapa Control % May-20-24	Dedto Control % May-20-24	Cypsp Control % May-20-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	NTC						0.0 e	0.0 c	0.0 b	0.0 c	0.0 c	0.0 c
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A		2.5 d	0.0 c	1.3 b	97.0 b	22.5 c	76.3 ab
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		15.0 a	20.0 a	11.3 a	99.0 a	88.5 a	89.5 ab
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		10.0 c	15.0 ab	12.5 a	99.0 a	86.3 a	75.0 b
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A		3.8 d	1.3 c	0.0 b	96.8 b	60.0 b	75.0 b
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		12.5 b	18.8 a	12.5 a	99.0 a	87.5 a	91.3 a
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		13.8 ab	16.3 a	12.5 a	99.0 a	91.3 a	86.3 ab
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		15.0 a	15.0 ab	13.8 a	99.0 a	88.8 a	81.3 ab
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC		8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A		15.0 a	10.0 b	11.3 a	99.0 a	85.0 ab	80.0 ab
LSD P=.10							2.20	5.17	2.79	1.98	25.48	15.53
Standard Deviation							1.82	4.27	2.31	1.64	21.06	12.83
CV							18.68	39.92	27.69	1.87	31.08	17.65
Grand Mean							9.72	10.69	8.33	87.53	67.75	72.72
Bartlett's X2^							23.053*	18.466*	7.087	24.797*	24.631*	3.504
P(Bartlett's X2)							0.003*	0.018*	0.527	0.002*	0.002*	0.899
Replicate F							0.842	1.257	1.391	1.561	1.360	2.999
Replicate Prob(F)							0.4843	0.3113	0.2696	0.2248	0.2789	0.0505
Treatment F							43.947	14.752	27.000	1611.696	10.317	18.954
Treatment Prob(F)							0.0001	0.0001	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.

^Calculated from residual.

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Rapra Control % May-20-24	Arahy Stunting % May-29-24	Arahy Chlorosis % May-29-24	Arahy Necrosis % May-29-24	Amapa Control % May-29-24	Rapra Control % May-29-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	NTC						0.0 c	0.0 e	0.0 b	0.0 e	0.0 d	0.0 d
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A		87.5 b	13.8 d	6.3 a	2.5 cd	91.3 c	87.5 ab
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		90.0 ab	20.0 ab	7.5 a	2.5 cd	99.0 a	91.3 a
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		91.3 ab	22.5 a	10.0 a	5.0 b	97.0 ab	82.5 c
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A		91.3 ab	16.3 cd	7.5 a	1.3 de	95.8 b	91.3 a
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		93.5 a	20.0 ab	8.8 a	2.5 cd	97.0 ab	90.0 a
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		91.3 ab	22.5 a	8.8 a	1.3 de	99.0 a	91.3 a
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		92.5 a	18.8 bc	8.8 a	7.5 a	97.0 ab	83.8 bc
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC		8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A		92.5 a	20.0 ab	7.5 a	3.8 bc	99.0 a	90.0 a
LSD P=.10							4.38	2.90	3.77	2.45	3.15	4.07
Standard Deviation							3.62	2.39	3.12	2.03	2.60	3.37
CV							4.47	14.01	43.17	69.5	3.02	4.28
Grand Mean							81.08	17.08	7.22	2.92	86.11	78.61
Bartlett's X2^							17.568*	16.39*	5.16	3.507	26.763*	8.39
P(Bartlett's X2)							0.025*	0.037*	0.74	0.899	0.001*	0.396
Replicate F							4.407	1.091	2.286	4.676	0.449	3.020
Replicate Prob(F)							0.0132	0.3720	0.1044	0.0104	0.7204	0.0494
Treatment F							282.821	34.091	3.500	4.944	619.883	310.286
Treatment Prob(F)							0.0001	0.0001	0.0081	0.0011	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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^Calculated from residual.

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Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Dedto Control % May-29-24	Cypes Control % May-29-24	Arahy Stunt % Jun-12-24	Amapa Control % Jun-12-24	Rapra Control % Jun-12-24	Dedto Control % Jun-12-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
1	NTC						0.0 d	0.0 d	0.0 e	0.0 c	0.0 b	0.0 d
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A		75.0 c	76.3 bc	3.8 d	93.5 b	91.0 a	38.8 bc
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		81.3 abc	91.3 a	11.3 b	95.5 ab	88.8 a	35.0 bc
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		80.0 bc	78.8 abc	11.3 b	97.0 ab	78.8 a	47.5 abc
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A		92.5 a	71.3 c	7.5 c	98.0 a	90.0 a	72.5 a
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		87.5 ab	91.3 a	16.3 a	96.0 ab	85.0 a	51.3 ab
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		82.5 abc	88.8 ab	16.3 a	98.0 a	78.8 a	46.3 abc
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		83.8 abc	88.8 ab	10.0 bc	93.5 b	78.8 a	21.3 cd
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC		8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A		83.8 abc	85.0 ab	12.5 b	95.8 ab	80.0 a	0.0 d
LSD P=.10							12.24	12.85	3.70	3.66	12.46	29.40
Standard Deviation							10.12	10.62	3.06	3.03	10.30	24.31
CV							13.67	14.24	31.05	3.55	13.81	70.0
Grand Mean							74.03	74.58	9.86	85.25	74.56	34.72
Bartlett's X2^							8.045	15.177	6.486	8.899	10.259	2.059
P(Bartlett's X2)							0.429	0.056	0.593	0.351	0.247	0.979
Replicate F							1.707	1.993	2.444	5.366	1.202	7.080
Replicate Prob(F)							0.1922	0.1419	0.0886	0.0057	0.3302	0.0014
Treatment F							31.026	29.521	12.407	446.924	30.467	3.898
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0045

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Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Cypes	Amapa	Rapra	Dedto	Cypsp
							Control %	Control %	Control %	Control %	Control %
							Jun-12-24	Jun-27-24	Jun-27-24	Jun-27-24	Jun-27-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	19	20	21	22	23
No.	Name	Conc	Type	Rate	Unit	Stg	Code				
1	NTC							0.0 c	0.0 c	0.0 c	0.0 c
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A			67.5 ab	81.3 b	88.8 a	73.8 b
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			75.0 ab	80.0 b	88.8 a	72.5 b
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			62.5 b	92.5 a	68.8 b	76.3 b
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A			61.3 b	94.8 a	95.8 a	92.3 a
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			83.8 a	93.8 a	90.0 a	80.0 b
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			72.5 ab	95.0 a	73.8 b	80.0 b
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A			85.0 a	76.3 b	70.0 b	32.5 c
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC		8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A			80.0 ab	80.0 b	75.0 b	22.5 c
LSD P=.10							18.83	8.74	10.23	11.22	21.02
Standard Deviation							15.57	7.22	8.46	9.27	17.38
CV							23.85	9.37	11.69	15.76	31.6
Grand Mean							65.28	77.06	72.31	58.86	55.00
Bartlett's X2^							6.211	23.207*	12.853	7.812	12.56
P(Bartlett's X2)							0.624	0.003*	0.117	0.452	0.128
Replicate F							4.467	1.092	0.764	8.948	2.581
Replicate Prob(F)							0.0125	0.3716	0.5254	0.0004	0.0770
Treatment F							11.109	68.338	46.569	47.670	6.751
Treatment Prob(F)							0.0001	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.

^Calculated from residual.

University of Georgia

BAS-842-ACH EARLY POST IN PEANUT	
Trial ID: PE-12-24	Study Dir.: JACOB SMITH
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	

University of Georgia

BAS-842-ACH EARLY POST IN PEANUT

Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Arahy Stunting % May-20-24	Arahy Chlorosis % May-20-24	Arahy Necrosis % May-20-24	Amapa Control % May-20-24	Dedto Control % May-20-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5
1	NTC						101		0.0	0.0	0.0	0.0	0.0
							205		0.0	0.0	0.0	0.0	0.0
							308		0.0	0.0	0.0	0.0	0.0
							403		0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A		102		5.0	0.0	0.0	95.0	0.0
							203		0.0	0.0	5.0	95.0	0.0
							305		5.0	0.0	0.0	99.0	0.0
							401		0.0	0.0	0.0	99.0	90.0
							Mean =		2.5	0.0	1.3	97.0	22.5
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A		103		15.0	20.0	10.0	99.0	75.0
			3 SL		EPOST A		202		15.0	20.0	10.0	99.0	85.0
			5 SL		EPOST A		303		15.0	20.0	15.0	99.0	99.0
					EPOST A		402		15.0	20.0	10.0	99.0	95.0
							Mean =		15.0	20.0	11.3	99.0	88.5
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A		104		10.0	20.0	15.0	99.0	85.0
			3 SL		EPOST A		208		10.0	5.0	10.0	99.0	90.0
			5 SL		EPOST A		307		10.0	20.0	15.0	99.0	85.0
					EPOST A		405		10.0	15.0	10.0	99.0	85.0
							Mean =		10.0	15.0	12.5	99.0	86.3
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A		105		0.0	0.0	0.0	90.0	0.0
					EPOST A		206		5.0	0.0	0.0	99.0	65.0
							301		5.0	5.0	0.0	99.0	90.0
							404		5.0	0.0	0.0	99.0	85.0
							Mean =		3.8	1.3	0.0	96.8	60.0
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A		106		10.0	20.0	10.0	99.0	80.0
			3 SL		EPOST A		201		15.0	20.0	15.0	99.0	90.0
			5 SL		EPOST A		309		10.0	20.0	10.0	99.0	85.0
					EPOST A		408		15.0	15.0	15.0	99.0	95.0
							Mean =		12.5	18.8	12.5	99.0	87.5
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A		107		10.0	20.0	15.0	99.0	95.0
			3 SL		EPOST A		209		15.0	10.0	15.0	99.0	85.0
			5 SL		EPOST A		302		15.0	20.0	10.0	99.0	95.0
					EPOST A		407		15.0	15.0	10.0	99.0	90.0
							Mean =		13.8	16.3	12.5	99.0	91.3
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC	8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A			108		15.0	10.0	15.0	99.0	90.0
							204		15.0	20.0	15.0	99.0	85.0
							306		15.0	20.0	15.0	99.0	95.0
							409		15.0	10.0	10.0	99.0	85.0
							Mean =		15.0	15.0	13.8	99.0	88.8
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC	8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A			109		15.0	5.0	10.0	99.0	95.0
							207		15.0	20.0	15.0	99.0	85.0
							304		15.0	10.0	10.0	99.0	95.0
							406		15.0	5.0	10.0	99.0	65.0
							Mean =		15.0	10.0	11.3	99.0	85.0

University of Georgia

BAS-842-ACH EARLY POST IN PEANUT

Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Cypsp Control % May-20-24	Rapra Control % May-20-24	Arahy Stunting % May-29-24	Arahy Chlorosis % May-29-24	Arahy Necrosis % May-29-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	6	7	8	9	10
1	NTC							101	0.0	0.0	0.0	0.0	0.0
								205	0.0	0.0	0.0	0.0	0.0
								308	0.0	0.0	0.0	0.0	0.0
								403	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A			102	95.0	95.0	10.0	5.0	0.0
								203	95.0	75.0	15.0	5.0	0.0
								305	50.0	90.0	15.0	5.0	5.0
								401	65.0	90.0	15.0	10.0	5.0
								Mean =	76.3	87.5	13.8	6.3	2.5
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			103	75.0	90.0	20.0	10.0	5.0
								202	99.0	90.0	20.0	5.0	0.0
								303	99.0	95.0	20.0	10.0	5.0
								402	85.0	85.0	20.0	5.0	0.0
								Mean =	89.5	90.0	20.0	7.5	2.5
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			104	95.0	95.0	25.0	10.0	5.0
								208	90.0	90.0	20.0	10.0	5.0
								307	65.0	95.0	20.0	10.0	5.0
								405	50.0	85.0	25.0	10.0	5.0
								Mean =	75.0	91.3	22.5	10.0	5.0
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A			105	90.0	95.0	10.0	5.0	0.0
								206	65.0	90.0	20.0	5.0	0.0
								301	85.0	90.0	15.0	15.0	5.0
								404	60.0	90.0	20.0	5.0	0.0
								Mean =	75.0	91.3	16.3	7.5	1.3
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			106	85.0	99.0	20.0	10.0	5.0
								201	95.0	90.0	20.0	10.0	0.0
								309	95.0	95.0	20.0	10.0	5.0
								408	90.0	90.0	20.0	5.0	0.0
								Mean =	91.3	93.5	20.0	8.8	2.5
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			107	95.0	90.0	25.0	5.0	0.0
								209	90.0	90.0	25.0	15.0	0.0
								302	95.0	95.0	20.0	10.0	5.0
								407	65.0	90.0	20.0	5.0	0.0
								Mean =	86.3	91.3	22.5	8.8	1.3
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC	8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A				108	90.0	95.0	15.0	5.0	5.0
								204	85.0	90.0	20.0	10.0	5.0
								306	65.0	95.0	20.0	10.0	10.0
								409	85.0	90.0	20.0	10.0	10.0
								Mean =	81.3	92.5	18.8	8.8	7.5
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC	8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A				109	90.0	90.0	20.0	5.0	0.0
								207	75.0	95.0	20.0	5.0	5.0
								304	90.0	95.0	20.0	15.0	5.0
								406	65.0	90.0	20.0	5.0	5.0
								Mean =	80.0	92.5	20.0	7.5	3.8

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BAS-842-ACH EARLY POST IN PEANUT

Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Amapa Control % May-29-24	Rapra Control % May-29-24	Dedto Control % May-29-24	Cypes Control % May-29-24	Arahy Stunt % Jun-12-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NTC										
							101		0.0		0.0
							205		0.0		0.0
							308		0.0		0.0
							403		0.0		0.0
							Mean =		0.0		0.0
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A		102		95.0	90.0	0.0
							203		95.0	85.0	5.0
							305		85.0	90.0	5.0
							401		90.0	85.0	5.0
							Mean =		91.3	87.5	3.8
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		103		99.0	90.0	10.0
							202		99.0	85.0	10.0
							303		99.0	95.0	15.0
							402		99.0	95.0	10.0
							Mean =		99.0	91.3	11.3
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		104		99.0	90.0	10.0
							208		99.0	80.0	10.0
							307		95.0	80.0	15.0
							405		95.0	80.0	10.0
							Mean =		97.0	82.5	11.3
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A		105		90.0	95.0	0.0
							206		95.0	90.0	10.0
							301		99.0	90.0	10.0
							404		99.0	90.0	10.0
							Mean =		95.8	91.3	7.5
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		106		95.0	95.0	15.0
							201		95.0	90.0	20.0
							309		99.0	90.0	15.0
							408		99.0	85.0	15.0
							Mean =		97.0	90.0	16.3
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 8.0 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		107		99.0	95.0	15.0
							209		99.0	85.0	15.0
							302		99.0	95.0	15.0
							407		99.0	90.0	20.0
							Mean =		99.0	91.3	16.3
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC	8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A			108		95.0	85.0	10.0
							204		99.0	85.0	5.0
							306		95.0	85.0	15.0
							409		99.0	80.0	10.0
							Mean =		97.0	83.8	10.0
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC	8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A			109		99.0	85.0	10.0
							207		99.0	90.0	10.0
							304		99.0	95.0	10.0
							406		99.0	90.0	20.0
							Mean =		99.0	90.0	12.5

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BAS-842-ACH EARLY POST IN PEANUT

Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Amapa	Rapra	Dedto	Cypes	Amapa	Rapra
							Control % Jun-12-24	Control % Jun-12-24	Control % Jun-12-24	Control % Jun-12-24	Control % Jun-27-24	Control % Jun-27-24
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot				
1	NTC											
								101	0.0	0.0	0.0	0.0
								205	0.0	0.0	0.0	0.0
								308	0.0	0.0	0.0	0.0
								403	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	EPOST A EPOST A			102	99.0	99.0	0.0	95.0
								203	90.0	85.0	0.0	95.0
								305	90.0	95.0	65.0	30.0
								401	95.0	85.0	90.0	50.0
								Mean =	93.5	91.0	38.8	67.5
3	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	4.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			103	99.0	90.0	0.0	80.0
								202	99.0	85.0	0.0	95.0
								303	85.0	95.0	60.0	65.0
								402	99.0	85.0	80.0	60.0
								Mean =	95.5	88.8	35.0	75.0
4	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	2.5 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			104	99.0	85.0	0.0	90.0
								208	99.0	65.0	65.0	80.0
								307	95.0	80.0	60.0	50.0
								405	95.0	85.0	65.0	30.0
								Mean =	97.0	78.8	47.5	62.5
5	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	EPOST A EPOST A			105	99.0	85.0	65.0	80.0
								206	99.0	95.0	65.0	50.0
								301	99.0	85.0	85.0	65.0
								404	95.0	95.0	75.0	50.0
								Mean =	98.0	90.0	72.5	61.3
6	BAS-842ACH GRAMOXONE BASAGRAN INDUCE	3.61	SC 3 SL 5 SL	6.0 oz/a 8.0 oz/a 6.4 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			106	99.0	95.0	0.0	65.0
								201	95.0	95.0	80.0	95.0
								309	95.0	85.0	60.0	90.0
								408	95.0	65.0	65.0	85.0
								Mean =	96.0	85.0	51.3	83.8
7	ZIDUA GRAMOXONE BASAGRAN INDUCE	4.17	SC 3 SL 5 SL	3.25 oz/a 8.0 oz/a 8.0 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A			107	99.0	90.0	0.0	75.0
								209	99.0	65.0	60.0	85.0
								302	99.0	95.0	65.0	80.0
								407	95.0	65.0	60.0	50.0
								Mean =	98.0	78.8	46.3	72.5
8	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC	8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A				108	99.0	75.0	0.0	95.0
								204	95.0	95.0	0.0	95.0
								306	90.0	85.0	0.0	65.0
								409	90.0	60.0	85.0	85.0
								Mean =	93.5	78.8	21.3	85.0
9	GRAMOXONE ULTRA BLAZER BASAGRAN DUAL MAGNUM	3 SL 2 SL 5 SL 7.62 EC	8.0 oz/a 16.0 oz/a 6.4 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A EPOST A				109	99.0	65.0	0.0	80.0
								207	99.0	85.0	0.0	85.0
								304	90.0	85.0	0.0	90.0
								406	95.0	85.0	0.0	65.0
								Mean =	95.8	80.0	0.0	80.0

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BAS-842-ACH EARLY POST IN PEANUT

Trial ID: PE-12-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Dedto	Cypsp
							Control %	Control %
							Jun-27-24	Jun-27-24
Trt	Treatment	Form	Form	Rate	Grow	Appl		
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	22	23
1	NTC					101	0.0	0.0
						205	0.0	0.0
						308	0.0	0.0
						403	0.0	0.0
						Mean =	0.0	0.0
2	BAS-842ACH	3.61	SC	4.5 oz/a	EPOST A	102	60.0	90.0
	INDUCE			0.25 % v/v	EPOST A	203	65.0	75.0
						305	85.0	0.0
						401	85.0	50.0
						Mean =	73.8	53.8
3	BAS-842ACH	3.61	SC	4.5 oz/a	EPOST A	103	50.0	60.0
	GRAMOXONE	3	SL	8.0 oz/a	EPOST A	202	65.0	80.0
	BASAGRAN	5	SL	6.4 oz/a	EPOST A	303	85.0	60.0
	INDUCE			0.25 % v/v	EPOST A	402	90.0	55.0
						Mean =	72.5	63.8
4	ZIDUA	4.17	SC	2.5 oz/a	EPOST A	104	50.0	75.0
	GRAMOXONE	3	SL	8.0 oz/a	EPOST A	208	85.0	65.0
	BASAGRAN	5	SL	6.4 oz/a	EPOST A	307	80.0	20.0
	INDUCE			0.25 % v/v	EPOST A	405	90.0	35.0
						Mean =	76.3	48.8
5	BAS-842ACH	3.61	SC	6.0 oz/a	EPOST A	105	85.0	75.0
	INDUCE			0.25 % v/v	EPOST A	206	95.0	40.0
						301	90.0	55.0
						404	99.0	35.0
						Mean =	92.3	51.3
6	BAS-842ACH	3.61	SC	6.0 oz/a	EPOST A	106	65.0	50.0
	GRAMOXONE	3	SL	8.0 oz/a	EPOST A	201	85.0	65.0
	BASAGRAN	5	SL	6.4 oz/a	EPOST A	309	85.0	80.0
	INDUCE			0.25 % v/v	EPOST A	408	85.0	70.0
						Mean =	80.0	66.3
7	ZIDUA	4.17	SC	3.25 oz/a	EPOST A	107	65.0	65.0
	GRAMOXONE	3	SL	8.0 oz/a	EPOST A	209	85.0	75.0
	BASAGRAN	5	SL	6.4 oz/a	EPOST A	302	85.0	70.0
	INDUCE			0.25 % v/v	EPOST A	407	85.0	50.0
						Mean =	80.0	65.0
8	GRAMOXONE	3	SL	8.0 oz/a	EPOST A	108	20.0	90.0
	STORM	4	SL	16.0 oz/a	EPOST A	204	30.0	90.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST A	306	20.0	65.0
						409	60.0	65.0
						Mean =	32.5	77.5
9	GRAMOXONE	3	SL	8.0 oz/a	EPOST A	109	20.0	65.0
	ULTRA BLAZER	2	SL	16.0 oz/a	EPOST A	207	30.0	75.0
	BASAGRAN	5	SL	6.4 oz/a	EPOST A	304	20.0	75.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST A	406	20.0	60.0
						Mean =	22.5	68.8

University of Georgia

BAS-842-ACH EARLY POST IN PEANUT	
Trial ID: PE-12-24	Study Dir.: JACOB SMITH
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	