

BAS-842-ACH POST IN PEANUT	
Trial ID: PE-13-24	Study Dir.: JACOB SMITH
Location: PONDER FARM	Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	209	301	410
2	BAS-842ACH BUTYRAC ULTRA BLAZER INDUCE	3.61 2 2	SC SL SL	6.0 oz/a 16.0 oz/a 24.0 oz/a 0.25 % v/v	POST A POST A POST A POST A			4.687 mL/mx 12.5 mL/mx 18.75 mL/mx 3.75 mL/mx	1460.3 mL	102	205	302	406
3	CADRE BUTYRAC COBRA OUTLOOK INDUCE	2 2 2 6	AS SL EC EC	4.0 oz/a 16.0 oz/a 12.5 oz/a 14.0 oz/a 0.25 % v/v	POST A POST A POST A POST A POST A			3.125 mL/mx 12.5 mL/mx 9.766 mL/mx 10.94 mL/mx 3.75 mL/mx	1459.9 mL	103	211	306	411
4	BAS-842ACH BUTYRAC COBRA INDUCE	3.61 2 2	SC SL EC	4.5 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A			3.516 mL/mx 12.5 mL/mx 9.766 mL/mx 3.75 mL/mx	1470.5 mL	104	210	311	412
5	BAS-842ACH BUTYRAC COBRA INDUCE	3.61 2 2	SC SL EC	6.0 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A			4.687 mL/mx 12.5 mL/mx 9.766 mL/mx 3.75 mL/mx	1469.3 mL	105	212	307	401
6	CADRE BUTYRAC COBRA INDUCE	2 2 2	AS SL EC	4.0 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A			3.125 mL/mx 12.5 mL/mx 9.766 mL/mx 3.75 mL/mx	1470.9 mL	106	203	308	403
7	BAS-842ACH BUTYRAC INDUCE	3.61 2	SC SL	4.5 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A			3.516 mL/mx 12.5 mL/mx 3.75 mL/mx	1480.2 mL	107	204	312	405
8	BAS-842ACH BUTYRAC INDUCE	3.61 2	SC SL	6.0 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A			4.687 mL/mx 12.5 mL/mx 3.75 mL/mx	1479.1 mL	108	201	309	402
9	CADRE BUTYRAC INDUCE	2 2	AS SL	4.0 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A			3.125 mL/mx 12.5 mL/mx 3.75 mL/mx	1480.6 mL	109	206	310	407
10	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	POST A POST A			3.516 mL/mx 3.75 mL/mx	1492.7 mL	110	208	304	409
11	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	POST A POST A			4.687 mL/mx 3.75 mL/mx	1491.6 mL	111	202	305	408
12	CADRE INDUCE	2	AS	4.0 oz/a 0.25 % v/v	POST A POST A			3.125 mL/mx 3.75 mL/mx	1493.1 mL	112	207	303	404

Trial Comments
PROWL H20 @ 32 OZ/A - PRE BAS-842ACH = PYROXASULFONE (2.28 LBS/GAL) + IMAZETHAPYR (1.33 LBS/GAL) <u>SUMMARY:</u> 1) FROM OBSERVATIONS MADE ON JUNE 12 (21 DAT): A) BAS-842ACH CAUSED LITTLE TO NO PEANUT INJURY. INJURY WAS INCREASED WHEN TANK-MIXED WITH OTHER HERBICIDES SUCH AS BUTYRAC, ULTRA BLAZER, AND COBRA. B) PALMER AMARANTH CONTROL WAS GREATER THAN 82% WITH ALL TREATMENTS EXCEPT FOR THE FOLLOWING: CADRE OR CADRE + BUTYRAC = 40% CONTROL BAS-842ACH @ 4.5 AND 6.0 OZ/A = 35-40% CONTROL

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BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

ALS RESISTANT POPULATION

C) GENERALLY, BUTYRAC, COBRA AND ULTRA BLAZER IMPROVED THE CONTROL OF PALMER AMARANTH WITH BAS-842ACH AND CADRE.

D) WILD RADISH CONTROL EXCEEDED 94% WITH ALL POST TREATMENTS.

E) FLORIDA BEGGARWEED EXCEEDED 91% WITH ALL POST TREATMENTS EXCEPT FOR THE FOLLOWING:

BAS-842ACH @ 4.5 OR 6.0 OZ/A + BUTYRAC = 80-90% CONTROL
BAS-842AC @ 4.5 OZ/A = 86% CONTROL

F) BAS-842ACH PROVIDED 53-56% CONTROL OF YELLOW NUTSEDGE.

G) ON JUNE 28 (37 DAT), ANY POST TREATMENT THAT INCLUDED CADRE PROVIDED AT LEAST 90% CONTROL OF YELLOW NUTSEDGE.

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BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24
Location: PONDER FARM

Study Dir.: JACOB SMITH
Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JACOB SMITH
Affiliation: _____
Postal Code: _____

Title: _____

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

Title: _____

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
Guidelines: _____

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

Objective: _____

Conclusions: _____

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	DEDTO	FL	BEGGARWEED
2.	AMAPA	PA	LMER AMARANTH
3.	RAPRA	WI	LD RADISH
4.	CYPES	NU	TSEDGE SP.

Crop 1: ARAHY
Planting Date: May-1-24
Rate: S/A
Row Spacing: _____
Soil Temperature: _____

PEANUT
Planting Method: _____
Depth: 2 IN
Spacing Within Row: _____
Soil Moisture: _____

Variety: GA-06G
MONOSEM
Perennial Age: _____
Seed Bed: _____
Emergence Date: _____

Plot Width, Unit: 6 FT

SITE AND DESIGN
Plot Length, Unit: 25 FT Repls: 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

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Trial ID: PE-13-24

Study Dir.: JACOB SMITH

Location: PONDER FARM

Investigator: Eric P. Prostko

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

% Sand: 94

% OM: 0.61

% Silt: 4

% Clay: 2

Texture:

pH: 6.7

CEC: 2.5

Soil Name:

Fert. Level:

SAND

TIFTON

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: _____

APPLICATION DESCRIPTION

	A
Application Date:	May-22-24
Time of Day:	7:15 AM
Application Method:	BROADCAST
Application Timing:	EPOST
Applic. Placement:	FOLIAGE
Air Temp., Unit:	67 F
% Relative Humidity:	97
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	Y
Water Hardness:	--
Soil Temp., Unit:	70 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	0

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CROP STAGE AT EACH APPLICATION	
	A
Crop 1 Code, Stage:	ARAHY,
Stage Scale:	V6
Height, Unit:	4, IN

WEED STAGE AT EACH APPLICATION	
	A
Weed 1 Code, Stage:	DEDTO,
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:	

APPLICATION EQUIPMENT	
	A
Appl. Equipment:	BACKPACK
Operating Pressure:	37
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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BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24 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-29-24	Arahy Chlorosis % May-29-24	Arahy Necrosis % May-29-24	Amapa Control % May-29-24	Rapra Control % May-29-24	Dedto Control % May-29-24
Trt-Eval Interval							7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
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 d	0.0 d	0.0 d	0.0 h	0.0 d
2	BAS-842ACH	3.61	SC	6.0 oz/a	POST A		6.3 cd	6.3 bc	13.8 a	97.0 a	85.0 bcd	98.0 a
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	ULTRA BLAZER	2	SL	24.0 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
3	CADRE	2	AS	4.0 oz/a	POST A		12.5 ab	10.0 ab	16.3 a	96.0 ab	90.0 ab	98.0 a
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	COBRA	2	EC	12.5 oz/a	POST A							
	OUTLOOK	6	EC	14.0 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
4	BAS-842ACH	3.61	SC	4.5 oz/a	POST A		8.8 bc	8.8 abc	8.8 b	95.8 ab	94.8 a	98.0 a
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	COBRA	2	EC	12.5 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
5	BAS-842ACH	3.61	SC	6.0 oz/a	POST A		16.3 a	11.3 a	15.0 a	97.0 a	91.3 ab	99.0 a
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	COBRA	2	EC	12.5 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
6	CADRE	2	AS	4.0 oz/a	POST A		12.5 ab	10.0 ab	10.0 b	97.0 a	88.8 abc	96.0 a
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	COBRA	2	EC	12.5 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
7	BAS-842ACH	3.61	SC	4.5 oz/a	POST A		3.8 de	5.0 c	3.8 c	79.8 c	68.8 fg	87.3 bc
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
8	BAS-842ACH	3.61	SC	6.0 oz/a	POST A		6.3 cd	7.5 abc	3.8 c	83.8 c	61.3 g	83.8 c
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
9	CADRE	2	AS	4.0 oz/a	POST A		6.3 cd	8.8 abc	3.8 c	81.3 c	80.0 de	85.0 bc
	BUTYRAC	2	SL	16.0 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
10	BAS-842ACH	3.61	SC	4.5 oz/a	POST A		6.3 cd	6.3 bc	3.8 c	78.8 c	66.3 fg	92.5 ab
	INDUCE			0.25 % v/v	POST A							
11	BAS-842ACH	3.61	SC	6.0 oz/a	POST A		10.0 bc	6.3 bc	0.0 d	87.5 bc	72.5 ef	92.5 ab
	INDUCE			0.25 % v/v	POST A							
12	CADRE	2	AS	4.0 oz/a	POST A		6.3 cd	11.3 a	3.8 c	81.3 c	81.3 cd	96.0 a
	INDUCE			0.25 % v/v	POST A							
LSD P=.10							4.72	4.30	3.28	8.95	8.31	8.30
Standard Deviation							3.94	3.59	2.74	7.48	6.94	6.93
CV							49.78	47.22	39.87	9.21	9.47	8.11
Grand Mean							7.92	7.60	6.88	81.25	73.31	85.50
Bartlett's X2^							11.282	11.118	22.725*	12.105	12.03	34.06*
P(Bartlett's X2)							0.42	0.433	0.019*	0.356	0.361	0.00*
Replicate F							4.024	2.087	0.092	5.821	3.379	1.336
Replicate Prob(F)							0.0152	0.1209	0.9637	0.0026	0.0297	0.2795
Treatment F							4.927	3.125	17.319	50.836	53.847	62.662
Treatment Prob(F)							0.0002	0.0055	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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BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Cypes Control % May-29-24 7 DA-A	Arahy Stunt % Jun-12-24 21 DA-A	Arahy Necrosis % Jun-12-24 21 DA-A	Amapa Control % Jun-12-24 21 DA-A	Rapra Control % Jun-12-24 21 DA-A	Dedto Control % Jun-12-24 21 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	NTC						0.0 e	0.0 e	0.0 c	0.0 c	0.0 c	0.0 e
2	BAS-842ACH BUTYRAC ULTRA BLAZER INDUCE	3.61 2 2	SC SL SL	6.0 oz/a 16.0 oz/a 24.0 oz/a 0.25 % v/v	POST A POST A POST A POST A		67.5 a-d	7.5 ab	5.0 a	99.0 a	99.0 a	99.0 a
3	CADRE BUTYRAC COBRA OUTLOOK INDUCE	2 2 2 6	AS SL EC EC	4.0 oz/a 16.0 oz/a 12.5 oz/a 14.0 oz/a 0.25 % v/v	POST A POST A POST A POST A POST A		62.5 a-d	8.8 a	5.0 a	99.0 a	99.0 a	94.5 abc
4	BAS-842ACH BUTYRAC COBRA INDUCE	3.61 2 2	SC SL EC	4.5 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A		57.5 bcd	3.8 b-e	5.0 a	99.0 a	99.0 a	98.0 ab
5	BAS-842ACH BUTYRAC COBRA INDUCE	3.61 2 2	SC SL EC	6.0 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A		71.3 abc	5.0 a-d	5.0 a	99.0 a	99.0 a	99.0 a
6	CADRE BUTYRAC COBRA INDUCE	2 2 2	AS SL EC	4.0 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A		73.8 ab	6.3 abc	3.8 b	99.0 a	99.0 a	99.0 a
7	BAS-842ACH BUTYRAC INDUCE	3.61 2	SC SL	4.5 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A		48.8 d	2.5 cde	0.0 c	82.5 a	94.5 b	80.0 d
8	BAS-842ACH BUTYRAC INDUCE	3.61 2	SC SL	6.0 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A		78.8 a	2.5 cde	0.0 c	87.3 a	97.0 a	89.5 bc
9	CADRE BUTYRAC INDUCE	2 2	AS SL	4.0 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A		63.8 a-d	3.8 b-e	0.0 c	20.0 bc	98.0 a	94.8 abc
10	BAS-842ACH INDUCE	3.61	SC	4.5 oz/a 0.25 % v/v	POST A POST A		60.0 a-d	1.3 de	0.0 c	40.0 b	98.0 a	86.0 cd
11	BAS-842ACH INDUCE	3.61	SC	6.0 oz/a 0.25 % v/v	POST A POST A		52.5 cd	1.3 de	0.0 c	35.0 b	99.0 a	92.0 abc
12	CADRE INDUCE	2	AS	4.0 oz/a 0.25 % v/v	POST A POST A		58.8 bcd	2.5 cde	0.0 c	20.0 bc	99.0 a	99.0 a
LSD P=.10							19.36	4.08	0.86	23.42	2.14	9.33
Standard Deviation							16.17	3.41	0.72	19.57	1.79	7.79
CV							27.93	90.89	36.46	30.12	1.99	9.07
Grand Mean							57.92	3.75	1.98	64.98	90.04	85.90
Bartlett's X2^							6.618	6.77	64.208*	19.214	34.747*	30.013*
P(Bartlett's X2)							0.829	0.817	0.00*	0.057	0.00*	0.002*
Replicate F							7.491	2.272	1.000	2.553	1.606	0.979
Replicate Prob(F)							0.0006	0.0985	0.4051	0.0722	0.2066	0.4144
Treatment F							6.230	2.446	46.818	15.550	1007.458	50.583
Treatment Prob(F)							0.0001	0.0233	0.0001	0.0001	0.0001	0.0001

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^Calculated from residual.

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Trial ID: PE-13-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Cypes	Amapa	Rapra	Dedto	Cypsp
							Control %	Control %	Control %	Control %	Control %
							Jun-12-24 21 DA-A	Jun-28-24 37 DA-A	Jun-28-24 37 DA-A	Jun-28-24 37 DA-A	Jun-28-24 37 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	13	14	15	16	17
1	NTC						0.0 e	0.0 e	0.0 d	0.0 c	0.0 f
2	BAS-842ACH BUTYRAC ULTRA BLAZER INDUCE	3.61 2 2 2	SC SL SL SL	6.0 oz/a 16.0 oz/a 24.0 oz/a 0.25 % v/v	POST A POST A POST A POST A		66.3 a-d	99.0 a	99.0 a	96.0 a	63.8 cd
3	CADRE BUTYRAC COBRA OUTLOOK INDUCE	2 2 2 6	AS SL EC EC	4.0 oz/a 16.0 oz/a 12.5 oz/a 14.0 oz/a 0.25 % v/v	POST A POST A POST A POST A POST A		75.0 ab	99.0 a	99.0 a	96.0 a	97.0 a
4	BAS-842ACH BUTYRAC COBRA INDUCE	3.61 2 2 2	SC SL EC SL	4.5 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A		55.0 d	99.0 a	99.0 a	88.5 a	37.5 e
5	BAS-842ACH BUTYRAC COBRA INDUCE	3.61 2 2 2	SC SL EC SL	6.0 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A		71.3 abc	99.0 a	99.0 a	96.0 a	67.5 cd
6	CADRE BUTYRAC COBRA INDUCE	2 2 2 2	AS SL EC SL	4.0 oz/a 16.0 oz/a 12.5 oz/a 0.25 % v/v	POST A POST A POST A POST A		75.0 ab	99.0 a	99.0 a	95.0 a	96.0 a
7	BAS-842ACH BUTYRAC INDUCE	3.61 2 2	SC SL SL	4.5 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A		58.8 cd	88.8 a	95.8 bc	72.5 b	55.0 cde
8	BAS-842ACH BUTYRAC INDUCE	3.61 2 2	SC SL SL	6.0 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A		77.5 a	86.3 a	97.0 ab	72.5 b	73.8 bc
9	CADRE BUTYRAC INDUCE	2 2 2	AS SL SL	4.0 oz/a 16.0 oz/a 0.25 % v/v	POST A POST A POST A		71.3 abc	46.3 bc	99.0 a	95.0 a	93.8 ab
10	BAS-842ACH INDUCE	3.61 2	SC SL	4.5 oz/a 0.25 % v/v	POST A POST A		52.5 d	41.3 c	93.5 c	95.0 a	35.0 e
11	BAS-842ACH INDUCE	3.61 2	SC SL	6.0 oz/a 0.25 % v/v	POST A POST A		56.3 d	57.5 b	98.0 ab	82.5 ab	46.3 de
12	CADRE INDUCE	2 2	AS SL	4.0 oz/a 0.25 % v/v	POST A POST A		62.5 bcd	25.0 d	99.0 a	95.0 a	90.0 ab
LSD P=.10							14.68	14.12	2.38	15.91	21.73
Standard Deviation							12.27	11.80	1.99	13.30	18.16
CV							20.41	16.86	2.21	16.21	28.84
Grand Mean							60.10	70.00	89.77	82.00	62.96
Bartlett's X2^							9.987	37.598*	48.348*	42.048*	13.084
P(Bartlett's X2)							0.532	0.00*	0.00*	0.00*	0.288
Replicate F							2.439	1.685	0.808	0.800	2.601
Replicate Prob(F)							0.0818	0.1891	0.4985	0.5027	0.0685
Treatment F							11.479	34.708	813.413	16.890	10.813
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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

^Calculated from residual.

University of Georgia

BAS-842-ACH POST IN PEANUT	
Trial ID: PE-13-24	Study Dir.: JACOB SMITH
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	

University of Georgia

BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval							Arahy Stunting % May-29-24 7 DA-A	Arahy Chlorosis % May-29-24 7 DA-A	Arahy Necrosis % May-29-24 7 DA-A	Amapa Control % May-29-24 7 DA-A	Rapra Control % May-29-24 7 DA-A		
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
								209	0.0	0.0	0.0	0.0	0.0
								301	0.0	0.0	0.0	0.0	0.0
								410	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A		102	5.0	10.0	15.0	95.0	80.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		205	10.0	5.0	15.0	99.0	90.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	A		302	5.0	5.0	10.0	99.0	90.0
	INDUCE			0.25 % v/v	POST	A		406	5.0	5.0	15.0	95.0	80.0
								Mean =	6.3	6.3	13.8	97.0	85.0
3	CADRE	2	AS	4.0 oz/a	POST	A		103	10.0	15.0	15.0	95.0	90.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		211	20.0	10.0	15.0	99.0	90.0
	COBRA	2	EC	12.5 oz/a	POST	A		306	15.0	10.0	20.0	95.0	90.0
	OUTLOOK	6	EC	14.0 oz/a	POST	A		411	5.0	5.0	15.0	95.0	90.0
	INDUCE			0.25 % v/v	POST	A							
								Mean =	12.5	10.0	16.3	96.0	90.0
4	BAS-842ACH	3.61	SC	4.5 oz/a	POST	A		104	15.0	10.0	10.0	99.0	90.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		210	15.0	10.0	10.0	99.0	99.0
	COBRA	2	EC	12.5 oz/a	POST	A		311	5.0	10.0	5.0	90.0	95.0
	INDUCE			0.25 % v/v	POST	A		412	0.0	5.0	10.0	95.0	95.0
								Mean =	8.8	8.8	8.8	95.8	94.8
5	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A		105	10.0	15.0	20.0	95.0	95.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		212	20.0	10.0	15.0	99.0	90.0
	COBRA	2	EC	12.5 oz/a	POST	A		307	20.0	15.0	15.0	99.0	90.0
	INDUCE			0.25 % v/v	POST	A		401	15.0	5.0	10.0	95.0	90.0
								Mean =	16.3	11.3	15.0	97.0	91.3
6	CADRE	2	AS	4.0 oz/a	POST	A		106	15.0	15.0	10.0	99.0	90.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		203	15.0	10.0	5.0	95.0	80.0
	COBRA	2	EC	12.5 oz/a	POST	A		308	10.0	10.0	15.0	95.0	90.0
	INDUCE			0.25 % v/v	POST	A		403	10.0	5.0	10.0	99.0	95.0
								Mean =	12.5	10.0	10.0	97.0	88.8
7	BAS-842ACH	3.61	SC	4.5 oz/a	POST	A		107	5.0	10.0	5.0	90.0	50.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		204	10.0	5.0	5.0	99.0	70.0
	INDUCE			0.25 % v/v	POST	A		312	0.0	5.0	5.0	65.0	65.0
								405	0.0	0.0	0.0	65.0	90.0
								Mean =	3.8	5.0	3.8	79.8	68.8
8	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A		108	10.0	5.0	5.0	95.0	50.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		201	5.0	10.0	5.0	90.0	65.0
	INDUCE			0.25 % v/v	POST	A		309	5.0	5.0	0.0	75.0	65.0
								402	5.0	10.0	5.0	75.0	65.0
								Mean =	6.3	7.5	3.8	83.8	61.3
9	CADRE	2	AS	4.0 oz/a	POST	A		109	5.0	10.0	5.0	95.0	70.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A		206	10.0	10.0	0.0	90.0	80.0
	INDUCE			0.25 % v/v	POST	A		310	10.0	5.0	5.0	65.0	90.0
								407	0.0	10.0	5.0	75.0	80.0
								Mean =	6.3	8.8	3.8	81.3	80.0
10	BAS-842ACH	3.61	SC	4.5 oz/a	POST	A		110	10.0	5.0	0.0	80.0	65.0
	INDUCE			0.25 % v/v	POST	A		208	0.0	5.0	5.0	85.0	60.0
								304	10.0	5.0	5.0	80.0	80.0
								409	5.0	10.0	5.0	70.0	60.0
								Mean =	6.3	6.3	3.8	78.8	66.3

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BAS-842-ACH POST IN PEANUT											
Trial ID: PE-13-24				Study Dir.: JACOB SMITH							
Location: PONDER FARM				Investigator: Eric P. Prostko							
Weed Code							Arahy Stunting % May-29-24 7 DA-A	Arahy Chlorosis % May-29-24 7 DA-A	Arahy Necrosis % May-29-24 7 DA-A	Amapa Control % May-29-24 7 DA-A	Rapra Control % May-29-24 7 DA-A
Crop Code											
Rating Data Type											
Rating Unit											
Rating Date											
Trt-Eval Interval											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3
11	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A	111		15.0	10.0	0.0
	INDUCE			0.25 % v/v	POST	A	202		10.0	10.0	0.0
							305		5.0	0.0	0.0
							408		10.0	5.0	0.0
							Mean =		10.0	6.3	0.0
12	CADRE	2	AS	4.0 oz/a	POST	A	112		5.0	10.0	0.0
	INDUCE			0.25 % v/v	POST	A	207		10.0	10.0	5.0
							303		5.0	5.0	5.0
							404		5.0	20.0	5.0
							Mean =		6.3	11.3	3.8

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BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval						Dedto Control % May-29-24 7 DA-A	Cypes Control % May-29-24 7 DA-A	Arahy Stunt % Jun-12-24 21 DA-A	Arahy Necrosis % Jun-12-24 21 DA-A	Amapa Control % Jun-12-24 21 DA-A	Rapra Control % Jun-12-24 21 DA-A
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10	11
1 NTC					101	0.0	0.0	0.0	0.0	0.0	0.0
					209	0.0	0.0	0.0	0.0	0.0	0.0
					301	0.0	0.0	0.0	0.0	0.0	0.0
					410	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 BAS-842ACH	3.61 SC	6.0 oz/a	POST A		102	95.0	75.0	5.0	5.0	99.0	99.0
BUTYRAC	2 SL	16.0 oz/a	POST A		205	99.0	60.0	5.0	5.0	99.0	99.0
ULTRA BLAZER	2 SL	24.0 oz/a	POST A		302	99.0	70.0	10.0	5.0	99.0	99.0
INDUCE		0.25 % v/v	POST A		406	99.0	65.0	10.0	5.0	99.0	99.0
					Mean =	98.0	67.5	7.5	5.0	99.0	99.0
3 CADRE	2 AS	4.0 oz/a	POST A		103	99.0	50.0	10.0	5.0	99.0	99.0
BUTYRAC	2 SL	16.0 oz/a	POST A		211	99.0	40.0	5.0	5.0	99.0	99.0
COBRA	2 EC	12.5 oz/a	POST A		306	99.0	80.0	15.0	5.0	99.0	99.0
OUTLOOK	6 EC	14.0 oz/a	POST A		411	95.0	80.0	5.0	5.0	99.0	99.0
INDUCE		0.25 % v/v	POST A								
					Mean =	98.0	62.5	8.8	5.0	99.0	99.0
4 BAS-842ACH	3.61 SC	4.5 oz/a	POST A		104	99.0	30.0	10.0	5.0	99.0	99.0
BUTYRAC	2 SL	16.0 oz/a	POST A		210	99.0	65.0	5.0	5.0	99.0	99.0
COBRA	2 EC	12.5 oz/a	POST A		311	95.0	70.0	0.0	5.0	99.0	99.0
INDUCE		0.25 % v/v	POST A		412	99.0	65.0	0.0	5.0	99.0	99.0
					Mean =	98.0	57.5	3.8	5.0	99.0	99.0
5 BAS-842ACH	3.61 SC	6.0 oz/a	POST A		105	99.0	40.0	5.0	5.0	99.0	99.0
BUTYRAC	2 SL	16.0 oz/a	POST A		212	99.0	65.0	0.0	5.0	99.0	99.0
COBRA	2 EC	12.5 oz/a	POST A		307	99.0	90.0	10.0	5.0	99.0	99.0
INDUCE		0.25 % v/v	POST A		401	99.0	90.0	5.0	5.0	99.0	99.0
					Mean =	99.0	71.3	5.0	5.0	99.0	99.0
6 CADRE	2 AS	4.0 oz/a	POST A		106	99.0	60.0	10.0	5.0	99.0	99.0
BUTYRAC	2 SL	16.0 oz/a	POST A		203	95.0	60.0	10.0	5.0	99.0	99.0
COBRA	2 EC	12.5 oz/a	POST A		308	95.0	95.0	5.0	5.0	99.0	99.0
INDUCE		0.25 % v/v	POST A		403	95.0	80.0	0.0	0.0	99.0	99.0
					Mean =	96.0	73.8	6.3	3.8	99.0	99.0
7 BAS-842ACH	3.61 SC	4.5 oz/a	POST A		107	90.0	60.0	5.0	0.0	90.0	90.0
BUTYRAC	2 SL	16.0 oz/a	POST A		204	99.0	20.0	5.0	0.0	85.0	99.0
INDUCE		0.25 % v/v	POST A		312	95.0	65.0	0.0	0.0	65.0	90.0
					405	65.0	50.0	0.0	0.0	90.0	99.0
					Mean =	87.3	48.8	2.5	0.0	82.5	94.5
8 BAS-842ACH	3.61 SC	6.0 oz/a	POST A		108	70.0	90.0	5.0	0.0	80.0	95.0
BUTYRAC	2 SL	16.0 oz/a	POST A		201	90.0	60.0	0.0	0.0	99.0	99.0
INDUCE		0.25 % v/v	POST A		309	80.0	90.0	5.0	0.0	80.0	95.0
					402	95.0	75.0	0.0	0.0	90.0	99.0
					Mean =	83.8	78.8	2.5	0.0	87.3	97.0
9 CADRE	2 AS	4.0 oz/a	POST A		109	90.0	60.0	5.0	0.0	0.0	95.0
BUTYRAC	2 SL	16.0 oz/a	POST A		206	95.0	30.0	10.0	0.0	0.0	99.0
INDUCE		0.25 % v/v	POST A		310	90.0	90.0	0.0	0.0	0.0	99.0
					407	65.0	75.0	0.0	0.0	80.0	99.0
					Mean =	85.0	63.8	3.8	0.0	20.0	98.0
10 BAS-842ACH	3.61 SC	4.5 oz/a	POST A		110	95.0	20.0	0.0	0.0	0.0	99.0
INDUCE		0.25 % v/v	POST A		208	95.0	65.0	0.0	0.0	30.0	95.0
					304	90.0	65.0	5.0	0.0	80.0	99.0
					409	90.0	90.0	0.0	0.0	50.0	99.0
					Mean =	92.5	60.0	1.3	0.0	40.0	98.0

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BAS-842-ACH POST IN PEANUT											
Trial ID: PE-13-24						Study Dir.: JACOB SMITH					
Location: PONDER FARM						Investigator: Eric P. Prostko					
Weed Code						Dedto		Cypes		Amapa	
Crop Code						Control		Control		Control	
Rating Data Type						%		%		%	
Rating Unit						May-29-24		May-29-24		Jun-12-24	
Rating Date						7 DA-A		7 DA-A		21 DA-A	
Trt-Eval Interval											
Trt Treatment						6		7		8	
No. Name											
11 BAS-842ACH						95.0		10.0		5.0	
INDUCE						95.0		50.0		0.0	
						305		65.0		0.0	
						408		85.0		0.0	
Mean =						92.5		52.5		1.3	
12 CADRE						95.0		65.0		0.0	
INDUCE						95.0		50.0		0.0	
						303		60.0		0.0	
						404		60.0		0.0	
Mean =						96.0		58.8		2.5	

University of Georgia

BAS-842-ACH POST IN PEANUT

Trial ID: PE-13-24 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval						Dedto	Cypes	Amapa	Rapra	Dedto	Cypsp
						Control %	Control %	Control %	Control %	Control %	Control %
						Jun-12-24 21 DA-A	Jun-12-24 21 DA-A	Jun-28-24 37 DA-A	Jun-28-24 37 DA-A	Jun-28-24 37 DA-A	Jun-28-24 37 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NTC						101	101	0.0	0.0	0.0
							209	209	0.0	0.0	0.0
							301	301	0.0	0.0	0.0
							410	410	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0
2	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A	102	102	99.0	85.0	99.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	205	205	99.0	60.0	99.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	A	302	302	99.0	60.0	99.0
	INDUCE			0.25 % v/v	POST	A	406	406	99.0	60.0	99.0
							Mean =		99.0	66.3	99.0
3	CADRE	2	AS	4.0 oz/a	POST	A	103	103	99.0	65.0	99.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	211	211	99.0	65.0	99.0
	COBRA	2	EC	12.5 oz/a	POST	A	306	306	85.0	85.0	99.0
	OUTLOOK	6	EC	14.0 oz/a	POST	A	411	411	95.0	85.0	99.0
	INDUCE			0.25 % v/v	POST	A					
							Mean =		94.5	75.0	99.0
4	BAS-842ACH	3.61	SC	4.5 oz/a	POST	A	104	104	99.0	50.0	99.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	210	210	99.0	60.0	99.0
	COBRA	2	EC	12.5 oz/a	POST	A	311	311	95.0	50.0	99.0
	INDUCE			0.25 % v/v	POST	A	412	412	99.0	60.0	99.0
							Mean =		98.0	55.0	99.0
5	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A	105	105	99.0	60.0	99.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	212	212	99.0	60.0	99.0
	COBRA	2	EC	12.5 oz/a	POST	A	307	307	99.0	90.0	99.0
	INDUCE			0.25 % v/v	POST	A	401	401	99.0	75.0	99.0
							Mean =		99.0	71.3	99.0
6	CADRE	2	AS	4.0 oz/a	POST	A	106	106	99.0	70.0	99.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	203	203	99.0	60.0	99.0
	COBRA	2	EC	12.5 oz/a	POST	A	308	308	99.0	95.0	99.0
	INDUCE			0.25 % v/v	POST	A	403	403	99.0	75.0	99.0
							Mean =		99.0	75.0	99.0
7	BAS-842ACH	3.61	SC	4.5 oz/a	POST	A	107	107	75.0	75.0	95.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	204	204	85.0	50.0	99.0
	INDUCE			0.25 % v/v	POST	A	312	312	95.0	60.0	99.0
							405	405	65.0	50.0	99.0
							Mean =		80.0	58.8	88.8
8	BAS-842ACH	3.61	SC	6.0 oz/a	POST	A	108	108	85.0	90.0	85.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	201	201	99.0	60.0	85.0
	INDUCE			0.25 % v/v	POST	A	309	309	75.0	90.0	85.0
							402	402	99.0	70.0	90.0
							Mean =		89.5	77.5	86.3
9	CADRE	2	AS	4.0 oz/a	POST	A	109	109	95.0	65.0	65.0
	BUTYRAC	2	SL	16.0 oz/a	POST	A	206	206	90.0	60.0	20.0
	INDUCE			0.25 % v/v	POST	A	310	310	95.0	85.0	20.0
							407	407	99.0	75.0	80.0
							Mean =		94.8	71.3	46.3
10	BAS-842ACH	3.61	SC	4.5 oz/a	POST	A	110	110	99.0	30.0	60.0
	INDUCE			0.25 % v/v	POST	A	208	208	85.0	50.0	20.0
							304	304	95.0	50.0	65.0
							409	409	65.0	80.0	20.0
							Mean =		86.0	52.5	41.3

University of Georgia

BAS-842-ACH POST IN PEANUT												
Trial ID: PE-13-24			Study Dir.: JACOB SMITH									
Location: PONDER FARM			Investigator: Eric P. Prostko									
Weed Code							Dedto	Cypes	Amapa	Rapra	Dedto	Cypsp
Crop Code							Control	Control	Control	Control	Control	Control
Rating Data Type							%	%	%	%	%	%
Rating Unit							Jun-12-24	Jun-12-24	Jun-28-24	Jun-28-24	Jun-28-24	Jun-28-24
Rating Date							21 DA-A	21 DA-A	37 DA-A	37 DA-A	37 DA-A	37 DA-A
Trt-Eval Interval												
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot				
									12	13	14	15
									16	17		
11	BAS-842ACH	3.61	SC	6.0 oz/a	POST A	111			99.0	30.0	65.0	95.0
	INDUCE			0.25 % v/v	POST A	202			99.0	60.0	50.0	99.0
						305			95.0	60.0	50.0	99.0
						408			75.0	75.0	65.0	99.0
						Mean =			92.0	56.3	57.5	98.0
12	CADRE	2	AS	4.0 oz/a	POST A	112			99.0	60.0	40.0	99.0
	INDUCE			0.25 % v/v	POST A	207			99.0	65.0	20.0	99.0
						303			99.0	60.0	20.0	99.0
						404			99.0	65.0	20.0	99.0
						Mean =			99.0	62.5	25.0	99.0

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BAS-842-ACH POST IN PEANUT	
Trial ID: PE-13-24	Study Dir.: JACOB SMITH
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	