

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

Location: Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.

Trial Origin: P public institution trial

Conducted Under GEP: No

Reps: 4Plots: 6 by 25 feet

Appl. Amount: 15 GAL/ACMix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Code	Appl Timing	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	Untreated Check							-	101	207	310	413
2	Python 80 WG	80 WG		0.83 oz wt/a	A	PREEM	0.6216 g/mx	1499.4 mL	102	211	314	402
3	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	0.7489 g/mx	1499.3 mL	103	202	306	411
4	Python 80 WG	80 WG		1.25 oz wt/a	A	PREEM	0.9361 g/mx	1499.1 mL	104	213	302	401
5	Python 80 WG	80 WG		1.33 oz wt/a	A	PREEM	0.9961 g/mx	1499 mL	105	203	305	403
6	Python 80 WG	80 WG		1.66 oz wt/a	A	PREEM	1.243 g/mx	1498.8 mL	106	205	308	412
7	Python 80 WG	80 WG		2 oz wt/a	A	PREEM	1.498 g/mx	1498.5 mL	107	212	309	414
8	Python 80 WG	80 WG		2.5 oz wt/a	A	PREEM	1.872 g/mx	1498.1 mL	108	204	313	410
9	Python 80 WG	80 WG		2.66 oz wt/a	A	PREEM	1.992 g/mx	1498 mL	109	206	307	404
10	Valor	51 WG		3 oz/a	A	PREEM	2.247 g/mx	1497.8 mL	110	209	301	409
11	Valor	51 WG		3 oz/a	A	PREEM	2.247 g/mx	1497 mL	111	214	303	406
	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	0.7489 g/mx					
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM	16.62 mL/mx	1483.4 mL	112	201	311	407
13	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM	16.62 mL/mx	1482.6 mL	113	208	304	405
	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	0.7489 g/mx					
14	Valor	51 WG		3 oz/a	A	PREEM	2.247 g/mx	1480.4 mL	114	210	312	408
	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM	16.62 mL/mx					
	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	0.7489 g/mx					

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

PROWL H20 @ 32 OZ/A - PRE

CADRE @ 4 OZ/A + COBRA @ 12.5 OZ/A + DUAL MAGNUM @ 16 OZ/A - 05/23/24

SELECT MAX @ 24 OZ/A + DUAL MAGNUM @ 16 OZ/A - 06/26/24

DIGGING DATE: 09/19/24 (142 DAYS)

HARVEST DATE: 09/23/24

HARVEST MOISTURE: 13.5%

YIELDS ADJUSTED TO 10%

2% YIELD DEDUCTION FOR FM

MISSING YIELD DATA DUE TO COMBINE ERROR.

FIELD GPS: 31.507264, -83.658959

SUMMARY:

1) PRE APPLICATIONS OF PYTHON AT RATES GREATER THAN 0.83 OZ/A CAUSED A DELAY IN PEANUT EMERGENCE.

2) GENERALLY, PRE APPLICATIONS OF PYTHON WERE MORE INJURIOUS THAN VALOR (7" RAINFALL/IRRIGATION IN FIRST 20 DAP)

3) PRE APPLICATIONS OF PYTHON CAUSED PEANUT HEIGHT AND WIDTH REDUCTIONS.

4) DESPITE THE EARLY SEASON INJURY, PEANUT YIELDS WERE NOT SIGNIFICANTLY REDUCED BY ANY RATE OF PYTHON WHEN COMPARED TO THE NTC.

5) PEANUT YIELDS WERE LOWER THAN NORMAL DUE TO TSWV, EXCESSIVE RAINFALL FROM MAY 1-MAY 27 (~8.13" TOTAL; 5.82" ABOVE NORMAL), AND NO RAINFALL FROM MAY 28-JUNE 26 (0" TOTAL; 4.33" BELOW NORMAL).

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Investigator:

Location:

Trial Year: 2024

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Trial Origin: P public institution trial

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Conducted Under GEP: No

General Trial Information

Study Director: Greg Armel, Ph.D.

Investigator:

Title: Product Development Manager, Southe

Title:

Discipline: H

Status: E

herbicide

established

ARM Trial Created On: Mar-22-24

Initiation Date:

Completion Date:

Meets All Objectives: _

Planned Completion Date:

Last Possible Tour Visit:

Reliability:

Interim Data Due: Oct-1-24

Trial Location

City:

State/Prov.:

Postal Code:

Country: USA

County:

Climate Zone:

United States

Latitude of LL Corner °:

Longitude of LL Corner °:

GPS Accuracy of LL Corner:

Altitude of LL Corner:

Angle y-axis to North °:

Directions:

Keywords:

Regulations

Test Facility:

GEP Accreditation Number:

GEP Accreditation Link:

Certificate Expiration:

Conducted Under GLP: No

Official Trial ID:

Conducted Under GEP: No

Official Protocol ID:

No.	Destroyed?	Crop No.	Crop Code	Crop Stage	Part Destroyed	Explanation	Method	Destruction Date	Verified By
1.									

No.	Guideline	Discipline	Description
1.			

No.	Permit Number	Permit Description
1.		

Objectives:

Determine crop selectivity of flumetsulam applied PRE with and without key standards for pigweed control.

Materials and Methods

Confidential

- Do not print, publish, or share data, results of study or any content of this protocol.

**Researcher whether university or contractor will not claim ownership to any Intellectual Property involving use of sponsor-provided materials.

**Use ARM .dat trial file provided for this study - Do not generate .dat files from non-ARM protocol

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Location: Trial Year: 2024

Investigator:

Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Trial Origin: P public institution trial

versions (Word or pdf files).

1. **Establish trial in conventionally tilled area. An incorporated DNA herbicide like Treflan or Prowl should be applied to the entire trial area to help reduce weed competition prior to planting. Plant at least two rows of 3 peanut varieties according to standard practices in the area.**

2. Other maintenance treatments for control of insect or disease pests should be made as needed. Fertilize and make PGR applications as are consistent with local practices.

3. Crop: **Plant two different peanut varieties.** These varieties should be two popular peanut varieties of interest to the researcher.

4. **Apply herbicides and use handweeding to maintain weed free conditions.** Use a PP or PPI application of Prowl or Treflan to reduce weed competition. Use POST herbicides like Basagran, Paraquat, Butyrac, Assure II, or Storm plus handweeding to eliminate weed competition. Try not to use herbicides that may disrupt visual ratings of injury needed during the 42 days following PRE herbicide applications. Whatever herbicide maintenance program is selected please make sure it is made to the entire study including the checks.

5. Choose nozzles that deliver 15-20 gpa for all applications.

6. Record the following information in Protocol Description tabs/sections:

Application details: Date, time, sprayer type, GPA, PSI, nozzle type and orifice size.

GPS location of the trial

Crop/Weed Information: Crop stage & height at each application.

Environmental Conditions: Air and soil temp, wind speed & direction, humidity, % cloud cover.

Rainfall/Irrigation, especially note rainfall for the 1st 4 weeks after each application.

Soil Characteristics: Soil type/texture, pH, CEC, OM, etc.

Deviations: Please describe deviations, errors and variables that may influence crop tolerance or weed control.

7. **Product Samples:** AMVAC will provide samples. The cooperator is asked to provide MSO, COC, NIS, AMS and standards within reason. **A liquid AMS such as N-Pak liquid AMS which provides 3.4 lb/gal of AMS may be used in place of dry product. Do not use AMS alternative water conditioners such as Quest or N-Tense.** Please request this material from your regional AMVAC product development representative.

8. **Record % peanut injury in all treated plots as PHYGEN at 7, 14, 28, and 42 days after each application timing.**

In addition to a general PHYGEN rating, If multiple forms of injury are visible like necrosis (PHYNEC), chlorosis (PHYCHL), and stunting (PHYSTU) then please record multiple phyto assessments for each plot so we can get a good picture of what the total injury looks like in the field

9. Photographs: **Take photos of a representative rep of each treatment at all of the evaluation timings.**

10. **Yield: Required**

11. Provide validated DAT final report by **October 1, 2024.**

Results:

Conclusions:

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Study Director: Greg Armel, Ph.D.		Sponsor Contact: Greg Armel, Ph.D.	
Investigator:		Conducted Under GEP: No	
Trial Origin: P public institution trial			

Contacts			
Role: STYDIR		study director	
Study Director: Greg Armel, Ph.D.			
Organization: Amvac			
Address 1: 1508 Jeremy Lane			
Address 2:			
Country: USA		United States	
City: Rocky Mount			
Role: INVEST		investigator	
Investigator:			
Organization:			
Address 1:			
Address 2:			
Country:			
City:			
Role: SPONSR		sponsor	
Sponsor: Greg Armel, Ph.D.			
Organization: Amvac			
Address 1: 1508 Jeremy Lane			
Address 2:			
Country: USA		United States	
City: Rocky Mount			
Role: COOPER		cooperator	
Cooperator: Eric P Prostko			
Organization: University of Georgia			
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Address 2:			
Country: USA		United States	
City: Tifton			
Role:			
Contact Name 5:			
Organization:			
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Address 2:			
Country:			
City:			

Title: Product Development Manager, S	
Org. Type:	
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Postal	
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Title: Product Development Manager, Sou	
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Postal C	
Title:	
Org. Type:	
Phone No.:	
E-mail:	
State/Prov:	

University of Georgia

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Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

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Trial Origin: P public institution trial

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Conducted Under GEP: No

Crop Description

Crop 1: C

ARHHY Arachis hypogaea

Entry Date: Mar-22-24

Variety: GA-06G

Attributes:

peanut

Stage Scale: BBCH

Seed Shape:

Perennial Age:

Nursery Date:

Planting Date: Apr-30-24

Depth: 2

Rows per Plot: 4

Row Spacing:

Spacing within Row:

Soil Temperature:

Emergence Date:

Harvest Date:

Moisture Meter:

% Standard Moisture: 10

Weighing Equipment:

Seed Size:

Perennial Height:

Planting Rate: 3.5

Planting Method:

Planting Equipment:

Seed Bed:

Soil Moisture:

Harvest Equipment:

Harvested Width: 6

Harvested Length: 25

S/FT

Crop 2: C

ARHHY Arachis hypogaea

Entry Date:

Variety: Popular state variety 2

Attributes:

peanut

Stage Scale: BBCH

Seed Shape:

Perennial Age:

Nursery Date:

Planting Date:

Depth:

Rows per Plot:

Row Spacing:

Spacing within Row:

Soil Temperature:

Emergence Date:

Harvest Date:

Moisture Meter:

% Standard Moisture:

Weighing Equipment:

Seed Size:

Perennial Height:

Planting Rate:

Planting Method:

Planting Equipment:

Seed Bed:

Soil Moisture:

Harvest Equipment:

Harvested Width:

Harvested Length:

Pest Description

Pest 1 Type: _

Code:

Common Name:

Attributes:

Establishment Date:

Establishment Rate:

Concentration:

Establishment Method/Description:

Crop:

Entry Date

Stage Scal

Artificial Populatio

Stage at Establishmen

Stage at Infestation:

Site and Design

[illegible]

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Study Director: Greg Armel, Ph.D.	Sponsor Contact: Greg Armel, Ph.D.
Investigator:	Conducted Under GEP: No
Trial Origin: P public institution trial	
Comment:	
RAINFALL/IRRIGATION:	
05/01/24: 0.5" IRRIGATION	
05/04/24: 0.9" RAINFALL	
05/09/24: 0.75" RAINFALL	
05/10/24: 0.75" RAINFALL	
05/13/24: 1.1" RAINFALL	
05/17/24: 0.96" RAINFALL	
05/18/24: 1.35" RAINFALL	
05/19/24: 0.69" RAINFALL	
05/25/24: 0.44" RAINFALL	
05/27/24: 0.62" RAINFALL	
06/04/24: 0.5" IRRIGATION	
06/11/24: 0.45" IRRIGATION	
06/17/24: 0.4" IRRIGATION	
06/27/24: 0.9" RAINFALL	
06/29/24: 0.5" RAINFALL	
07/02/24: 0.5" RAINFALL	

Greenhouse Information	
No.	
1.	

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Investigator:

Location: Trial Year: 2024
Sponsor Contact: Greg Armel, Ph.D.
Conducted Under GEP: No
Trial Origin: P public institution trial

Application Description	
	A
Date	May-1-24
Start Time	
Stop Time	7:35 AM
Standard	
Method	BROADC
Timing	PREEM
Placement	BROFOL
Mixed/Prepared By	EP
Applied By	NS
Entry Date	Oct-1-24
Air Temperature Start, Stop	, 65 F
% Relative Humidity Start, Stop	99,
Wind Velocity+Dir. Start	0 MPH,
Wind Velocity+Dir. Stop	
Wind Velocity+Dir. Max	
Wet Leaves (Y/N)	
Soil Temperature	68 F
Soil Temperature Depth	
Soil Moisture	OPTIMUM
Soil Surface Condition	
% Ground Cover	
% Cloud Cover	50
First Moisture Occurred On	
Time to First Moisture	
Amount of First Moisture	
Moisture 1 Week Before Appl.	
Moisture 6 Hours After Appl.	
Moisture 24 Hours After Appl.	
Moisture 1 Week After Appl.	
Problems with Application?	

Comment:

University of Georgia

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Protocol ID: 24HD156US	Location:	Trial Year: 2024
Project ID: 156		
Study Director: Greg Armel, Ph.D.	Sponsor Contact: Greg Armel, Ph.D.	Conducted Under GEP: No
Investigator:	Trial Origin: P public institution trial	

Crop Stage At Each Application	
	A
Crop 1 Code, BBCH Scale	ARHHY, BPNT
Days after Emergence	
Stage Majority, Percent	
Stage Minimum, Percent	
Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	
Height Minimum, Maximum	
Density Average	
Density Minimum, Maximum	
Coverage	
Crop 2 Code, BBCH Scale	ARHHY, BPNT
Days after Emergence	
Stage Majority, Percent	
Stage Minimum, Percent	
Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	
Height Minimum, Maximum	
Density Average	
Density Minimum, Maximum	
Coverage	

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Investigator:		Trial Origin: P public institution trial			

Pest Stage At Each Application	
	A
Pest 1 Code, Type, Scale	
Establishment Interval	
Stage Majority, Percent	
Stage Minimum, Percent	
Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	
Height Minimum, Maximum	
Relative Density	
Density Average	
Density Minimum, Maximum	
Coverage	
Crop Part Attacked, Code	

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Investigator: Trial Origin: P public institution trial

Application Equipment

	A
Equipment Name	BOOM
Equipment Type	BACCAI
Operation Pressure	35 PSI
Nozzle Model	TEEJET
Nozzle Type	AIXR
Nozzle TradeName	
Nozzle Tip Size, Color	11002,
Nozzle Spacing	20.0 IN
Nozzles/Row	
Nozzle Count	
Band Width	
Spray Swath	
% Coverage	
Boom ID	
Boom Length	60.0 IN
Boom Height	20.0 IN
Ground Speed	3.5 MPH
Carrier	WATER
Water Hardness (ppm CaCO3)	
Application Amount	15 GAL/AC
Mix Overage	
Mix Size	1.5 L
Spray pH	
Propellant	COMCO2
Tank Mix (Y/N)	Y, yes

Equipment Comment:

University of Georgia

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Conducted Under GEP: No

Equipment

1.

Equipment Name

Platform Type

Platform Trade Name

Platform Model

Sensor Type

Sensor Trade Name

Sensor Model

Resolution

Sensor Height

Sensor Speed

Original Data Location

Analysis Company

Analysis Method

Software Version

Scale Trade Name

Scale Model

Treatment Appl. Comments

Trt No

Treatment Application Comment

Notes					
No.	Context	Date	Time	By	Notes
1.	STATUS	Mar-20-24		Gregory Armel	Automatically added by ARM: Trial Status updated to 'S' during trial creation by (XAVARG).
2.	STATUS	May-9-24		Eric P. Prostko	Automatically added by ARM: Trial Status updated to 'E' when Rating Date was entered by (EGAPRE).
3.					

Deviations

No. 1: Date: By:

Deviations:

Reasons:

University of Georgia

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Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

SE Definitions

SE Definitions			1.
Rating Timing			
SE Name			
SE Description			
Part Rated			
Rating Type			
Rating Unit			
Rating Min/Max/Interval			
Sample Size			
Collection Basis			
Reporting Basis			
Number of Subsamples			
Untreated Rating Type			
ARM Action Codes			
Pest Type, Code			
Crop Type, Code			
Required			
No.	Task	Comment	
1.			

Instructions:

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2. Other maintenance treatments for control of insect or disease pests should be made as needed. Fertilize and make PGR applications as are consistent with local practices.

3. Crop: **Plant two different peanut varieties.** These varieties should be two popular peanut varieties of interest to the researcher.

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GPS location of the trial

Crop/Weed Information: Crop stage & height at each application.

Environmental Conditions: Air and soil temp, wind speed & direction, humidity, % cloud cover.

Rainfall/Irrigation, especially note rainfall for the 1st 4 weeks after each application.

Soil Characteristics: Soil type/texture, pH, CEC, OM, etc.

Deviations: Please describe deviations, errors and variables that may influence crop tolerance or weed control.

7. **Product Samples:** AMVAC will provide samples. The cooperator is asked to provide MSO, COC, NIS, AMS and standards within reason. **A liquid AMS such as N-Pak liquid AMS which provides 3.4 lb/gal of AMS may be used in place of dry product. Do not use AMS alternative water conditioners such as Quest or N-Tense.** Please request this material from your regional AMVAC product development representative.

8. **Record % peanut injury in all treated plots as PHYGEN at 7, 14, 28, and 42 days after each application timing.**

In addition to a general PHYGEN rating, If multiple forms of injury are visible like necrosis (PHYNEC), chlorosis (PHYCHL), and stunting (PHYSTU) then please record multiple phyto assessments for each plot so we can get a good picture of what the total injury looks like in the field

9. Photographs: **Take photos of a representative rep of each treatment at all of the evaluation timings.**

10. **Yield: Required**

11. Provide validated DAT final report by **October 1, 2024.**

Yield Required: _

Geographic Area/Environmental Considerations:

Cropping Considerations:

Data to Collect:

Statistical Analysis:

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Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date						May-9-24	May-16-24	May-16-24	May-24-24	Jun-11-24
Part Rated						Stand, - #/5 ft Peanut	STAND, - #/5 FT PEANUT	% PEANUT STUNTING	% PEANUT STUNTING	% PEANUT STUNTING
Rating Unit						1	2	3	4	5
Crop Name										
Rating Type										
Trt	Treatment	Form	Form	Rate	Appl	Appl				
No.	Name	Conc	Type	Rate	Unit	Code	Timing			
1	Untreated Check							17 a	20.8 -	0.0 i
2	Python 80 WG	80 WG	0.83 oz wt/a	A	PREEM			13 a-e	19.5 -	15.0 fg
3	Python 80 WG	80 WG	1 oz wt/a	A	PREEM			12 c-f	20.3 -	16.3 efg
4	Python 80 WG	80 WG	1.25 oz wt/a	A	PREEM			10 def	18.0 -	16.3 efg
5	Python 80 WG	80 WG	1.33 oz wt/a	A	PREEM			12 b-f	21.5 -	16.3 efg
6	Python 80 WG	80 WG	1.66 oz wt/a	A	PREEM			13 a-e	22.5 -	17.5 efg
7	Python 80 WG	80 WG	2 oz wt/a	A	PREEM			9 f	19.5 -	18.8 def
8	Python 80 WG	80 WG	2.5 oz wt/a	A	PREEM			9 def	21.3 -	22.5 cd
9	Python 80 WG	80 WG	2.66 oz wt/a	A	PREEM			9 ef	21.5 -	23.8 c
10	Valor	51 WG	3 oz/a	A	PREEM			16 abc	19.3 -	13.8 gh
11	Valor	51 WG	3 oz/a	A	PREEM			16 ab	20.3 -	28.8 b
	Python 80 WG	80 WG	1 oz wt/a	A	PREEM					28.8 bc
12	Dual II Magnum 7.64 EC	7.64 EC	1.33 pt/a	A	PREEM			16 abc	21.3 -	10.0 h
13	Dual II Magnum 7.64 EC	7.64 EC	1.33 pt/a	A	PREEM			13 a-f	18.3 -	20.0 cde
	Python 80 WG	80 WG	1 oz wt/a	A	PREEM					30.0 bc
14	Valor	51 WG	3 oz/a	A	PREEM			13 a-d	22.5 -	33.8 a
	Dual II Magnum 7.64 EC	7.64 EC	1.33 pt/a	A	PREEM					36.3 a
	Python 80 WG	80 WG	1 oz wt/a	A	PREEM					28.8 abc
LSD P=.10						4.0	3.71	4.20	3.96	7.50
Standard Deviation						3.4	3.11	3.52	3.33	6.29
CV						26.89	15.23	19.53	12.89	29.74
Grand Mean						12.6	20.45	18.04	25.80	21.16
Bartlett's X2^						7.886	11.321	22.541*	10.774	21.059
P(Bartlett's X2)						0.851	0.584	0.048*	0.63	0.072
Replicate F						2.079	0.517	0.432	1.869	0.312
Replicate Prob(F)						0.1187	0.6727	0.7314	0.1509	0.8166
Treatment F						2.549	0.830	20.978	28.111	9.749
Treatment Prob(F)						0.0121	0.6276	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=26,27,28

^Calculated from residual.

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date					Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24
Part Rated					INCHES	INCHES	INCHES	INCHES	INCHES
Rating Unit					PEANUT	PEANUT	PEANUT	PEANUT	PEANUT
Crop Name					HGT1	HGT2	HGT3	HGT4	HGT5
Rating Type									
Trt	Treatment	Form	Form	Rate	Appl	Appl			
No.	Name	Conc	Type	Rate Unit	Code	Timing			
1	Untreated Check						6	7	8
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM		5.5 ab	6.0 ab	6.5 a
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM		5.0 abc	5.3 bc	4.8 bc
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM		5.0 abc	4.8 cd	4.5 bcd
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM		4.0 d	5.3 bc	4.8 bc
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM		4.8 bcd	4.0 def	4.5 bcd
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM		4.3 cd	4.3 de	3.8 d
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM		4.3 cd	4.5 cd	4.3 cd
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM		4.0 d	3.3 f	4.0 cd
10	Valor	51 WG		3 oz/a A	PREEM		5.8 a	6.5 a	6.3 a
11	Valor	51 WG		3 oz/a A	PREEM		4.8 bcd	4.8 cd	4.5 bcd
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				4.8 cd
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		5.3 ab	6.0 ab	5.3 b
13	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		5.0 abc	4.8 cd	4.3 cd
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				4.0 ef
14	Valor	51 WG		3 oz/a A	PREEM		4.8 bcd	4.5 cd	4.0 cd
	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM				3.8 f
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				5.0 abc
LSD P=.10							0.90	0.81	0.95
Standard Deviation							0.75	0.68	0.80
CV							15.89	14.11	17.15
Grand Mean							4.75	4.80	4.64
Bartlett's X2^							13.843	13.263	14.235
P(Bartlett's X2)							0.385	0.428	0.357
Replicate F							0.460	0.972	0.676
Replicate Prob(F)							0.7119	0.4157	0.5718
Treatment F							2.093	7.636	4.474
Treatment Prob(F)							0.0377	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=26,27,28

^Calculated from residual.

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24
							INCHES PEANUT AVERAGE-HGT	INCHES PEANUT WDTH1	INCHES PEANUT WDTH2	INCHES PEANUT WDTH3	INCHES PEANUT WDTH4
Trt	Treatment	Form	Form	Rate	Appl	Appl	11	12	13	14	15
No.	Name	Conc	Type	Rate Unit	Code	Timing					
1	Untreated Check						5.8 a	21.8 a	20.5 a	20.8 a	22.0 a
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM		5.0 c	18.0 bcd	15.0 de	18.5 b	18.5 bc
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM		4.6 cde	16.3 def	17.0 cd	16.3 cd	15.0 e
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM		4.6 def	17.3 b-e	17.3 bc	17.5 bc	18.3 cd
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM		4.3 ef	16.3 def	15.8 cde	16.0 d	15.8 e
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM		4.2 fg	15.8 ef	15.8 cde	16.5 cd	15.5 e
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM		4.3 ef	16.8 c-f	16.3 cde	16.5 cd	15.8 e
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM		3.9 gh	15.0 f	14.8 e	15.5 d	15.8 e
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM		3.7 h	16.0 def	15.8 cde	15.5 d	15.3 e
10	Valor	51 WG		3 oz/a A	PREEM		6.0 a	19.3 b	19.3 ab	20.3 a	20.3 ab
11	Valor Python 80 WG	51 WG 80 WG		3 oz/a A 1 oz wt/a A	PREEM PREEM		4.7 cd	16.5 c-f	16.5 cde	16.8 cd	16.5 de
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		5.4 b	18.5 bc	19.3 ab	18.5 b	18.5 bc
13	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a A 1 oz wt/a A	PREEM PREEM		4.6 def	16.0 def	15.0 de	16.0 d	15.3 e
14	Valor Dual II Magnum 7.64 EC Python 80 WG	51 WG 7.64 EC 80 WG		3 oz/a A 1.33 pt/a A 1 oz wt/a A	PREEM PREEM PREEM		4.4 def	16.0 def	16.8 cde	16.0 d	16.3 e
LSD P=.10							0.40	2.18	2.08	1.41	1.85
Standard Deviation							0.33	1.83	1.75	1.18	1.55
CV							7.15	10.69	10.44	6.89	9.1
Grand Mean							4.65	17.09	16.77	17.18	17.04
Bartlett's X2^							9.223	12.366	13.506	6.61	25.485*
P(Bartlett's X2)							0.756	0.498	0.41	0.921	0.02*
Replicate F							3.152	0.519	0.799	0.323	0.605
Replicate Prob(F)							0.0356	0.6714	0.5019	0.8088	0.6158
Treatment F							15.846	3.767	4.051	8.247	7.622
Treatment Prob(F)							0.0001	0.0006	0.0003	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=26,27,28

^Calculated from residual.

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date					Jun-18-24	Jun-18-24	Jul-3-24	Jul-30-24	Jul-30-24
Part Rated					INCHES	INCHES	%	INCHES	INCHES
Rating Unit					PEANUT	PEANUT	Peanut	PEANUT	PEANUT
Crop Name					WDTH5	AVG-WDTH	Stunting	HEIGHT1	HEIGHT2
Rating Type									
Trt	Treatment	Form	Form	Rate	Appl	Appl			
No.	Name	Conc	Type	Rate Unit	Code	Timing			
1	Untreated Check						16	17	18
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM		17.5 bcd	17.5 de	12.5 ef
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM		17.3 cd	16.4 efg	18.8 cde
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM		18.0 bc	17.7 cd	16.3 de
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM		16.5 cde	16.1 fg	25.0 bc
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM		17.0 cde	16.1 fg	22.5 bcd
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM		16.0 de	16.3 fg	22.5 bcd
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM		15.5 e	15.3 g	28.8 ab
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM		16.0 de	15.7 fg	35.0 a
10	Valor	51 WG		3 oz/a A	PREEM		20.8 a	20.0 b	3.8 g
11	Valor	51 WG		3 oz/a A	PREEM		17.8 bc	16.8 def	16.3 de
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		19.0 b	18.8 c	6.3 fg
13	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		17.0 cde	15.9 fg	22.5 bcd
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				
14	Valor	51 WG		3 oz/a A	PREEM		17.3 cd	16.5 efg	17.5 de
	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM				
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				
LSD P=.10							1.67	1.17	6.82
Standard Deviation							1.40	0.98	5.73
CV							7.96	5.73	32.39
Grand Mean							17.66	17.15	17.68
Bartlett's X2^							8.661	14.465	14.662
P(Bartlett's X2)							0.798	0.342	0.329
Replicate F							1.312	0.044	5.683
Replicate Prob(F)							0.2843	0.9875	0.0025
Treatment F							6.383	12.746	11.405
Treatment Prob(F)							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=26,27,28

^Calculated from residual.

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date					Jul-30-24	Jul-30-24	Jul-30-24	Jul-30-24	Jul-30-24
Part Rated					INCHES	INCHES	INCHES	INCHES	INCHES
Rating Unit					PEANUT	PEANUT	PEANUT	PEANUT	PEANUT
Crop Name					HEIGHT3	HEIGHT4	HEIGHT5	HEIGHT6	HEIGHT-AVG
Rating Type									
Trt	Treatment	Form	Form	Rate	Appl	Appl			
No.	Name	Conc	Type	Rate Unit	Code	Timing	21	22	23
1	Untreated Check						15.8 abc	15.5 ab	15.5 abc
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM		15.0 a-d	14.8 abc	15.3 a-d
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM		15.8 abc	14.5 bc	15.5 abc
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM		15.0 a-d	14.5 bc	14.5 bcd
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM		13.3 def	13.3 cde	14.3 cde
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM		12.5 f	14.0 bcd	14.3 cde
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM		14.0 c-f	13.3 cde	14.0 de
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM		12.8 ef	12.3 e	13.0 ef
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM		12.5 f	12.8 de	12.0 f
10	Valor	51 WG		3 oz/a A	PREEM		16.5 a	16.3 a	16.5 a
11	Valor	51 WG		3 oz/a A	PREEM		14.5 b-e	15.3 ab	15.0 bcd
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				15.8 abc
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		16.0 ab	15.0 ab	15.8 ab
13	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		14.8 a-d	14.5 bc	15.3 a-d
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				15.0 bcd
14	Valor	51 WG		3 oz/a A	PREEM		15.0 a-d	14.5 bc	15.0 bcd
	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM				15.3 a-d
	Python 80 WG	80 WG		1 oz wt/a A	PREEM				15.2 b
LSD P=.10							1.78	1.60	1.45
Standard Deviation							1.50	1.34	1.22
CV							10.31	9.38	8.31
Grand Mean							14.52	14.30	14.70
Bartlett's X2^							8.856	13.117	16.627
P(Bartlett's X2)							0.784	0.439	0.217
Replicate F							0.645	0.751	2.153
Replicate Prob(F)							0.5906	0.5286	0.1092
Treatment F							3.165	2.718	3.618
Treatment Prob(F)							0.0027	0.0079	0.0009

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=26,27,28

^Calculated from residual.

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type					Sep-23-24 LBS/PLOT PEANUT DIRTY YIELD	Sep-23-24 LBS/PLOT PEANUT CLEAN YIELD	Sep-23-24 LBS/A PEANUT YIELD
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Code	Appl Timing	
1	Untreated Check						
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM		
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM		
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM		
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM		
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM		
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM		
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM		
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM		
10	Valor	51 WG		3 oz/a A	PREEM		
11	Valor Python 80 WG	51 WG 80 WG		3 oz/a A 1 oz wt/a A	PREEM PREEM		
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a A	PREEM		
13	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a A 1 oz wt/a A	PREEM PREEM		
14	Valor Dual II Magnum 7.64 EC Python 80 WG	51 WG 7.64 EC 80 WG		3 oz/a A 1.33 pt/a A 1 oz wt/a A	PREEM PREEM PREEM		
LSD P=.10					1.876	1.84	513.03
Standard Deviation					1.557	1.53	425.96
CV					11.68	11.68	11.68
Grand Mean					13.339	13.07	3648.46
Bartlett's X2^					21.066	21.066	21.066
P(Bartlett's X2)					0.072	0.072	0.072
Replicate F					1.506	1.506	1.506
Replicate Prob(F)					0.2354	0.2354	0.2354
Treatment F					2.355	2.355	2.355
Treatment Prob(F)					0.0293	0.0293	0.0293

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=26,27,28

^Calculated from residual.

University of Georgia

Evaluation of flumetsulam preemergence for safey in peanut- GA-06G	
Trial ID: 24HD156USGA09-A	
Protocol ID: 24HD156US	Location: Trial Year: 2024
Project ID: 156	
Study Director: Greg Armel, Ph.D.	Sponsor Contact: Greg Armel, Ph.D.
Investigator:	Conducted Under GEP: No
	Trial Origin: P public institution trial
<u>Rating Unit</u> %, 0, 100, = percent	
<u>Rating Type</u> YIELD = yield	
<u>ARM Action Codes</u> T1 = ([C6]+[C7]+[C8]+[C9]+[C10])/5 T2 = ([C12]+[C13]+[C14]+[C15]+[C16])/5 T3 = ([C19]+[C20]+[C21]+[C22]+[C23]+[C24])/6 T4 = [26]*0.98 TY5 = 279.10666667*[27]	

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type							May-9-24 Stand, - #/5 ft Peanut	May-16-24 STAND, - #/5 FT PEANUT	May-16-24 % PEANUT STUNTING	May-24-24 % PEANUT STUNTING	
Trt	Treatment	Form	Form	Rate	Appl	Appl	Plot	1	2	3	4
No.	Name	Conc	Type	Rate	Unit	Code					
1	Untreated Check						101	19	21.0	0.0	0.0
							207	12	18.0	0.0	0.0
							310	18	23.0	0.0	0.0
							413	17	21.0	0.0	0.0
							Mean =	17	20.8	0.0	0.0
2	Python 80 WG	80 WG		0.83 oz	wt/a	A	PREEM 102	14	20.0	15.0	30.0
							211	8	15.0	15.0	30.0
							314	16	20.0	15.0	20.0
							402	13	23.0	15.0	25.0
							Mean =	13	19.5	15.0	26.3
3	Python 80 WG	80 WG		1 oz	wt/a	A	PREEM 103	13	21.0	15.0	30.0
							202	16	18.0	15.0	25.0
							306	10	18.0	20.0	25.0
							411	8	24.0	15.0	30.0
							Mean =	12	20.3	16.3	27.5
4	Python 80 WG	80 WG		1.25 oz	wt/a	A	PREEM 104	10	24.0	15.0	30.0
							213	6	19.0	20.0	25.0
							302	13	16.0	20.0	30.0
							401	12	13.0	10.0	25.0
							Mean =	10	18.0	16.3	27.5
5	Python 80 WG	80 WG		1.33 oz	wt/a	A	PREEM 105	11	21.0	15.0	30.0
							203	9	19.0	20.0	30.0
							305	9	20.0	15.0	25.0
							403	19	26.0	15.0	25.0
							Mean =	12	21.5	16.3	27.5
6	Python 80 WG	80 WG		1.66 oz	wt/a	A	PREEM 106	12	25.0	15.0	30.0
							205	12	21.0	20.0	30.0
							308	11	26.0	15.0	30.0
							412	16	18.0	20.0	30.0
							Mean =	13	22.5	17.5	30.0
7	Python 80 WG	80 WG		2 oz	wt/a	A	PREEM 107	11	22.0	20.0	35.0
							212	10	17.0	15.0	30.0
							309	8	23.0	20.0	30.0
							414	5	16.0	20.0	25.0
							Mean =	9	19.5	18.8	30.0
8	Python 80 WG	80 WG		2.5 oz	wt/a	A	PREEM 108	10	21.0	25.0	35.0
							204	14	21.0	20.0	25.0
							313	2	22.0	25.0	30.0
							410	11	21.0	20.0	30.0
							Mean =	9	21.3	22.5	30.0
9	Python 80 WG	80 WG		2.66 oz	wt/a	A	PREEM 109	8	21.0	25.0	30.0
							206	6	26.0	25.0	35.0
							307	6	17.0	25.0	30.0
							404	16	22.0	20.0	30.0
							Mean =	9	21.5	23.8	31.3
10	Valor	51 WG		3 oz/a		A	PREEM 110	16	21.0	15.0	15.0
							209	17	20.0	20.0	20.0
							301	10	16.0	10.0	20.0
							409	20	20.0	10.0	20.0
							Mean =	16	19.3	13.8	18.8

University of Georgia

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

Location: Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.

Trial Origin: P public institution trial

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Conducted Under GEP: No

Rating Date Part Rated Rating Unit Crop Name Rating Type							May-9-24 Stand, - #/5 ft Peanut	May-16-24 STAND, - #/5 FT PEANUT	May-16-24 % PEANUT STUNTING	May-24-24 % PEANUT STUNTING
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Code	Appl Timing Plot	1	2	3	4
11	Valor Python 80 WG	51 WG 80 WG		3 oz/a 1 oz wt/a	A	PREEM 111	15	17.0	30.0	35.0
						PREEM 214	17	21.0	30.0	20.0
						303	12	22.0	30.0	30.0
						406	20	21.0	25.0	30.0
						Mean =	16	20.3	28.8	28.8
12	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a	A	PREEM 112	15	17.0	10.0	20.0
						201	14	19.0	5.0	15.0
						311	17	26.0	10.0	15.0
						407	17	23.0	15.0	20.0
						Mean =	16	21.3	10.0	17.5
13	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a 1 oz wt/a	A	PREEM 113	14	21.0	10.0	30.0
						PREEM 208	12	16.0	25.0	25.0
						304	14	20.0	20.0	35.0
						405	10	16.0	25.0	30.0
						Mean =	13	18.3	20.0	30.0
14	Valor Dual II Magnum 7.64 EC Python 80 WG	51 WG 7.64 EC 80 WG		3 oz/a 1.33 pt/a 1 oz wt/a	A	PREEM 114	10	22.0	35.0	35.0
						PREEM 210	11	25.0	30.0	35.0
						PREEM 312	15	22.0	35.0	40.0
						408	17	21.0	35.0	35.0
						Mean =	13	22.5	33.8	36.3

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A
Protocol ID: 24HD156US
Project ID: 156
Study Director: Greg Armel, Ph.D.
Investigator:

Location: Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.
Trial Origin: P public institution trial

Conducted Under GEP: No

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jun-11-24	Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24
							% PEANUT STUNTING	INCHES PEANUT HGT1	INCHES PEANUT HGT2	INCHES PEANUT HGT3	INCHES PEANUT HGT4
Trt	Treatment	Form	Form	Rate	Appl	Appl					
No.	Name	Conc	Type	Rate	Unit	Code	Timing	Plot			
1	Untreated Check										
								101	0.0	7.0	7.0
								207	0.0	5.0	5.0
								310	0.0	5.0	6.0
								413	0.0	5.0	6.0
								Mean =	0.0	5.5	6.0
2	Python 80 WG	80 WG		0.83 oz	wt/a	A	PREEM	102	20.0	5.0	6.0
								211	25.0	5.0	4.0
								314	5.0	4.0	5.0
								402	15.0	6.0	5.0
								Mean =	16.3	5.0	5.3
3	Python 80 WG	80 WG		1 oz	wt/a	A	PREEM	103	25.0	5.0	4.0
								202	20.0	5.0	6.0
								306	25.0	6.0	5.0
								411	35.0	4.0	5.0
								Mean =	26.3	5.0	4.8
4	Python 80 WG	80 WG		1.25 oz	wt/a	A	PREEM	104	30.0	4.0	5.0
								213	25.0	4.0	5.0
								302	25.0	3.0	6.0
								401	15.0	5.0	5.0
								Mean =	23.8	4.0	5.3
5	Python 80 WG	80 WG		1.33 oz	wt/a	A	PREEM	105	25.0	5.0	4.0
								203	20.0	4.0	5.0
								305	25.0	5.0	3.0
								403	20.0	5.0	4.0
								Mean =	22.5	4.8	4.0
6	Python 80 WG	80 WG		1.66 oz	wt/a	A	PREEM	106	25.0	3.0	4.0
								205	25.0	5.0	5.0
								308	25.0	4.0	4.0
								412	30.0	5.0	4.0
								Mean =	26.3	4.3	4.3
7	Python 80 WG	80 WG		2 oz	wt/a	A	PREEM	107	30.0	4.0	4.0
								212	30.0	5.0	5.0
								309	30.0	4.0	5.0
								414	15.0	4.0	4.0
								Mean =	26.3	4.3	4.5
8	Python 80 WG	80 WG		2.5 oz	wt/a	A	PREEM	108	30.0	4.0	3.0
								204	30.0	5.0	5.0
								313	40.0	4.0	3.0
								410	40.0	4.0	3.0
								Mean =	35.0	4.3	3.5
9	Python 80 WG	80 WG		2.66 oz	wt/a	A	PREEM	109	25.0	4.0	4.0
								206	40.0	4.0	3.0
								307	35.0	4.0	3.0
								404	30.0	4.0	3.0
								Mean =	32.5	4.0	3.3
10	Valor	51 WG		3 oz/a		A	PREEM	110	10.0	4.0	7.0
								209	5.0	6.0	7.0
								301	10.0	7.0	6.0
								409	5.0	6.0	6.0
								Mean =	7.5	5.8	6.5

University of Georgia

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

Location: Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.

Trial Origin: P public institution trial

Conducted Under GEP: No

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jun-11-24	Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24
							% PEANUT STUNTING	INCHES PEANUT HGT1	INCHES PEANUT HGT2	INCHES PEANUT HGT3	INCHES PEANUT HGT4
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Code	Appl Timing Plot	5	6	7	8	9
11	Valor Python 80 WG	51 WG 80 WG		3 oz/a 1 oz wt/a	A	PREEM 111	25.0	5.0	5.0	3.0	4.0
						PREEM 214	5.0	5.0	5.0	5.0	5.0
						303	25.0	4.0	5.0	5.0	5.0
						406	20.0	5.0	4.0	5.0	5.0
						Mean =	18.8	4.8	4.8	4.5	4.8
12	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a	A	PREEM 112	15.0	5.0	6.0	4.0	5.0
						201	5.0	6.0	6.0	7.0	5.0
						311	10.0	5.0	6.0	5.0	5.0
						407	10.0	5.0	6.0	5.0	5.0
						Mean =	10.0	5.3	6.0	5.3	5.0
13	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a 1 oz wt/a	A	PREEM 113	20.0	4.0	4.0	5.0	3.0
						PREEM 208	20.0	5.0	5.0	5.0	4.0
						304	30.0	6.0	6.0	4.0	4.0
						405	20.0	5.0	4.0	3.0	5.0
						Mean =	22.5	5.0	4.8	4.3	4.0
14	Valor Dual II Magnum 7.64 EC Python 80 WG	51 WG 7.64 EC 80 WG		3 oz/a 1.33 pt/a 1 oz wt/a	A	PREEM 114	15.0	5.0	5.0	5.0	4.0
						PREEM 210	35.0	4.0	5.0	3.0	4.0
						PREEM 312	30.0	5.0	4.0	4.0	4.0
						408	35.0	5.0	4.0	4.0	3.0
						Mean =	28.8	4.8	4.5	4.0	3.8

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24
							INCHES PEANUT HGT5	INCHES PEANUT AVERAGE-HGT	INCHES PEANUT WDTH1	INCHES PEANUT WDTH2
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Code	Appl Timing Plot	10	11	12	13
1	Untreated Check					101 207 310 413 Mean =	5.0 7.0 5.0 5.0 5.5	6.4 5.6 5.4 5.8 5.8	23.0 22.0 22.0 20.0 21.8	21.0 23.0 20.0 18.0 20.5
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM	102 211 314 402 Mean =	5.0 5.0 6.0 5.0 5.3	5.0 4.6 5.0 5.2 5.0	18.0 13.0 21.0 20.0 18.0	10.0 16.0 18.0 16.0 15.0
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM	103 202 306 411 Mean =	4.0 5.0 5.0 4.0 4.5	4.2 5.2 4.8 4.2 4.6	16.0 18.0 15.0 16.0 16.3	15.0 19.0 17.0 17.0 17.0
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM	104 213 302 401 Mean =	4.0 5.0 5.0 4.0 4.5	4.2 4.6 4.6 4.8 4.6	17.0 15.0 20.0 17.0 17.3	17.0 14.0 19.0 19.0 17.3
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM	105 203 305 403 Mean =	3.0 4.0 5.0 3.0 3.8	4.4 4.6 4.2 4.0 4.3	16.0 14.0 16.0 19.0 16.3	16.0 16.0 14.0 17.0 15.8
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM	106 205 308 412 Mean =	4.0 4.0 4.0 4.0 4.0	4.0 4.6 3.8 4.4 4.2	16.0 16.0 15.0 16.0 15.8	15.0 17.0 15.0 16.0 15.8
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM	107 212 309 414 Mean =	3.0 4.0 4.0 4.0 3.8	4.0 4.6 4.4 4.0 4.3	15.0 17.0 15.0 20.0 16.8	14.0 17.0 17.0 17.0 16.3
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM	108 204 313 410 Mean =	4.0 4.0 4.0 3.0 3.8	3.6 4.4 3.8 3.6 3.9	15.0 15.0 16.0 14.0 15.0	15.0 14.0 15.0 15.0 14.8
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM	109 206 307 404 Mean =	3.0 5.0 3.0 3.0 3.5	3.8 4.0 3.6 3.4 3.7	16.0 17.0 16.0 15.0 16.0	17.0 17.0 13.0 16.0 15.8
10	Valor	51 WG		3 oz/a A	PREEM	110 209 301 409 Mean =	5.0 5.0 6.0 5.0 5.3	5.6 5.8 6.6 5.8 6.0	21.0 17.0 22.0 17.0 19.3	20.0 20.0 20.0 17.0 19.3

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type								Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24
								INCHES PEANUT HGT5	INCHES PEANUT AVERAGE-HGT	INCHES PEANUT WDTH1	INCHES PEANUT WDTH2
Trt	Treatment	Form	Form	Rate	Appl	Appl					
No.	Name	Conc	Type	Unit	Code	Timing	Plot	10	11	12	13
11	Valor	51 WG		3 oz/a	A	PREEM	111	4.0	4.2	15.0	17.0
	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	214	6.0	5.2	18.0	18.0
							303	5.0	4.8	16.0	15.0
							406	4.0	4.6	17.0	16.0
							Mean =	4.8	4.7	16.5	16.5
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM	112	5.0	5.0	20.0	19.0
							201	5.0	5.8	17.0	21.0
							311	6.0	5.4	20.0	20.0
							407	5.0	5.2	17.0	17.0
							Mean =	5.3	5.4	18.5	19.3
13	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM	113	5.0	4.2	15.0	14.0
	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	208	5.0	4.8	17.0	15.0
							304	5.0	5.0	16.0	16.0
							405	4.0	4.2	16.0	15.0
							Mean =	4.8	4.6	16.0	15.0
14	Valor	51 WG		3 oz/a	A	PREEM	114	5.0	4.8	17.0	18.0
	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM	210	5.0	4.2	17.0	15.0
	Python 80 WG	80 WG		1 oz wt/a	A	PREEM	312	5.0	4.4	15.0	17.0
							408	5.0	4.2	15.0	17.0
							Mean =	5.0	4.4	16.0	16.8

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type								Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24	Jul-3-24	
								INCHES PEANUT WDTH3	INCHES PEANUT WDTH4	INCHES PEANUT WDTH5	INCHES PEANUT AVG-WDTH	% Peanut Stunting	
Trt	Treatment	Form	Form	Rate	Appl	Appl							
No.	Name	Conc	Type	Rate	Unit	Code	Timing	Plot	14	15	16	17	18
1	Untreated Check							101	22.0	23.0	22.0	22.2	0.0
								207	21.0	23.0	19.0	21.6	0.0
								310	20.0	20.0	22.0	20.8	0.0
								413	20.0	22.0	24.0	20.8	0.0
								Mean =	20.8	22.0	21.8	21.4	0.0
2	Python 80 WG	80 WG		0.83 oz	wt/a	A	PREEM	102	19.0	20.0	19.0	17.2	20.0
								211	17.0	16.0	16.0	15.6	20.0
								314	19.0	19.0	18.0	19.0	0.0
								402	19.0	19.0	17.0	18.2	10.0
								Mean =	18.5	18.5	17.5	17.5	12.5
3	Python 80 WG	80 WG		1 oz	wt/a	A	PREEM	103	16.0	10.0	17.0	14.8	30.0
								202	16.0	18.0	19.0	18.0	10.0
								306	17.0	16.0	16.0	16.2	20.0
								411	16.0	16.0	17.0	16.4	15.0
								Mean =	16.3	15.0	17.3	16.4	18.8
4	Python 80 WG	80 WG		1.25 oz	wt/a	A	PREEM	104	16.0	17.0	17.0	16.8	30.0
								213	17.0	19.0	19.0	16.8	20.0
								302	19.0	18.0	18.0	18.8	10.0
								401	18.0	19.0	18.0	18.2	5.0
								Mean =	17.5	18.3	18.0	17.7	16.3
5	Python 80 WG	80 WG		1.33 oz	wt/a	A	PREEM	105	15.0	17.0	16.0	16.0	30.0
								203	17.0	15.0	17.0	15.8	25.0
								305	16.0	16.0	16.0	15.6	25.0
								403	16.0	15.0	17.0	16.8	20.0
								Mean =	16.0	15.8	16.5	16.1	25.0
6	Python 80 WG	80 WG		1.66 oz	wt/a	A	PREEM	106	17.0	16.0	16.0	16.0	25.0
								205	15.0	16.0	17.0	16.2	20.0
								308	16.0	14.0	17.0	15.4	25.0
								412	18.0	16.0	18.0	16.8	20.0
								Mean =	16.5	15.5	17.0	16.1	22.5
7	Python 80 WG	80 WG		2 oz	wt/a	A	PREEM	107	15.0	15.0	16.0	15.0	30.0
								212	16.0	17.0	17.0	16.8	25.0
								309	17.0	15.0	14.0	15.6	25.0
								414	18.0	16.0	17.0	17.6	10.0
								Mean =	16.5	15.8	16.0	16.3	22.5
8	Python 80 WG	80 WG		2.5 oz	wt/a	A	PREEM	108	15.0	16.0	17.0	15.6	30.0
								204	17.0	16.0	16.0	15.6	30.0
								313	16.0	15.0	15.0	15.4	25.0
								410	14.0	16.0	14.0	14.6	30.0
								Mean =	15.5	15.8	15.5	15.3	28.8
9	Python 80 WG	80 WG		2.66 oz	wt/a	A	PREEM	109	14.0	15.0	18.0	16.0	30.0
								206	16.0	16.0	15.0	16.2	40.0
								307	17.0	14.0	16.0	15.2	40.0
								404	15.0	16.0	15.0	15.4	30.0
								Mean =	15.5	15.3	16.0	15.7	35.0
10	Valor	51 WG		3 oz/a		A	PREEM	110	22.0	20.0	22.0	21.0	10.0
								209	21.0	19.0	20.0	19.4	0.0
								301	20.0	21.0	21.0	20.8	0.0
								409	18.0	21.0	20.0	18.6	5.0
								Mean =	20.3	20.3	20.8	20.0	3.8

University of Georgia

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

Location: Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.

Trial Origin: P public institution trial

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Conducted Under GEP: No

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jun-18-24	Jun-18-24	Jun-18-24	Jun-18-24	Jul-3-24	
							INCHES PEANUT WDTH3	INCHES PEANUT WDTH4	INCHES PEANUT WDTH5	INCHES PEANUT AVG-WDTH	% Peanut Stunting	
Trt	Treatment	Form	Form	Rate	Appl	Appl						
No.	Name	Conc	Type	Rate Unit	Code	Timing	Plot	14	15	16	17	18
11	Valor Python 80 WG	51 WG 80 WG		3 oz/a 1 oz wt/a	A	PREEM	111	15.0	16.0	17.0	16.0	20.0
							214	17.0	20.0	21.0	18.8	10.0
							303	18.0	15.0	17.0	16.2	20.0
							406	17.0	15.0	16.0	16.2	15.0
							Mean =	16.8	16.5	17.8	16.8	16.3
12	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a	A	PREEM	112	18.0	20.0	20.0	19.4	20.0
							201	20.0	17.0	21.0	19.2	0.0
							311	17.0	18.0	18.0	18.6	0.0
							407	19.0	19.0	17.0	17.8	5.0
							Mean =	18.5	18.5	19.0	18.8	6.3
13	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a 1 oz wt/a	A	PREEM	113	16.0	16.0	18.0	15.8	25.0
							208	16.0	14.0	16.0	15.6	15.0
							304	15.0	15.0	17.0	15.8	30.0
							405	17.0	16.0	17.0	16.2	20.0
							Mean =	16.0	15.3	17.0	15.9	22.5
14	Valor Dual II Magnum 7.64 EC Python 80 WG	51 WG 7.64 EC 80 WG		3 oz/a 1.33 pt/a 1 oz wt/a	A	PREEM	114	17.0	18.0	20.0	18.0	20.0
							210	15.0	15.0	16.0	15.6	20.0
							312	16.0	16.0	17.0	16.2	15.0
							408	16.0	16.0	16.0	16.0	15.0
							Mean =	16.0	16.3	17.3	16.5	17.5

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jul-30-24	Jul-30-24	Jul-30-24	Jul-30-24	Jul-30-24
							INCHES PEANUT HEIGHT1	INCHES PEANUT HEIGHT2	INCHES PEANUT HEIGHT3	INCHES PEANUT HEIGHT4	INCHES PEANUT HEIGHT5
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Code	Appl Timing Plot	19	20	21	22	23
1	Untreated Check					101 207 310 413 Mean =	16.0 17.0 13.0 15.0 15.3	16.0 14.0 15.0 17.0 15.5	15.0 18.0 15.0 15.0 15.8	15.0 15.0 16.0 16.0 15.5	16.0 16.0 16.0 14.0 15.5
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM	102 211 314 402 Mean =	16.0 16.0 17.0 17.0 16.5	15.0 13.0 17.0 16.0 15.3	15.0 12.0 16.0 17.0 15.0	15.0 14.0 14.0 16.0 14.8	15.0 13.0 16.0 17.0 15.3
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM	103 202 306 411 Mean =	14.0 16.0 14.0 15.0 14.8	16.0 15.0 14.0 15.0 15.0	15.0 18.0 15.0 15.0 15.8	14.0 16.0 14.0 14.0 14.5	14.0 15.0 17.0 16.0 15.5
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM	104 213 302 401 Mean =	14.0 16.0 14.0 17.0 15.3	13.0 14.0 16.0 17.0 15.0	14.0 14.0 15.0 17.0 15.0	12.0 13.0 16.0 17.0 14.5	14.0 14.0 15.0 15.0 14.5
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM	105 203 305 403 Mean =	14.0 13.0 15.0 13.0 13.8	14.0 14.0 13.0 14.0 13.8	11.0 13.0 15.0 14.0 13.3	14.0 13.0 13.0 13.0 13.3	15.0 15.0 13.0 14.0 14.3
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM	106 205 308 412 Mean =	14.0 15.0 15.0 13.0 14.3	14.0 13.0 15.0 14.0 14.0	12.0 12.0 14.0 12.0 12.5	16.0 13.0 14.0 13.0 14.0	14.0 14.0 14.0 15.0 14.3
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM	107 212 309 414 Mean =	13.0 13.0 13.0 16.0 13.8	13.0 14.0 12.0 14.0 13.3	15.0 14.0 12.0 15.0 14.0	12.0 14.0 12.0 15.0 13.3	13.0 13.0 14.0 16.0 14.0
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM	108 204 313 410 Mean =	15.0 14.0 15.0 13.0 14.3	11.0 14.0 13.0 11.0 12.3	12.0 13.0 14.0 12.0 12.8	13.0 13.0 12.0 11.0 12.3	13.0 13.0 14.0 12.0 13.0
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM	109 206 307 404 Mean =	14.0 13.0 13.0 15.0 13.8	13.0 14.0 13.0 14.0 13.5	13.0 13.0 12.0 12.0 12.5	12.0 13.0 14.0 12.0 12.8	12.0 11.0 12.0 13.0 12.0
10	Valor	51 WG		3 oz/a A	PREEM	110 209 301 409 Mean =	15.0 17.0 19.0 14.0 16.3	12.0 17.0 19.0 14.0 15.5	14.0 16.0 19.0 17.0 16.5	13.0 16.0 17.0 19.0 16.3	14.0 17.0 16.0 19.0 16.5

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G				
Trial ID: 24HD156USGA09-A				
Protocol ID: 24HD156US		Location: Trial Year: 2024		
Project ID: 156				
Study Director: Greg Armel, Ph.D.		Sponsor Contact: Greg Armel, Ph.D.		Conducted Under GEP: No
Investigator:		Trial Origin: P public institution trial		

Rating Date							Jul-30-24	Jul-30-24	Jul-30-24	Jul-30-24	Jul-30-24
Part Rated							INCHES	INCHES	INCHES	INCHES	INCHES
Rating Unit							PEANUT	PEANUT	PEANUT	PEANUT	PEANUT
Crop Name							HEIGHT1	HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5
Rating Type											
Trt	Treatment	Form	Form	Rate	Appl	Appl					
No.	Name	Conc	Type	Rate Unit	Code	Timing	Plot	19	20	21	22
11	Valor	51 WG	80 WG	3 oz/a	A	PREEM	111	14.0	15.0	14.0	15.0
							214	16.0	17.0	16.0	16.0
							303	17.0	15.0	14.0	16.0
							406	13.0	15.0	14.0	14.0
							Mean =	15.0	15.5	14.5	15.3
12	Dual II Magnum 7.64 EC	7.64 EC	80 WG	1.33 pt/a	A	PREEM	112	16.0	17.0	15.0	13.0
							201	16.0	17.0	17.0	16.0
							311	15.0	15.0	16.0	15.0
							407	15.0	16.0	16.0	16.0
							Mean =	15.5	16.3	16.0	15.0
13	Dual II Magnum 7.64 EC	7.64 EC	80 WG	1.33 pt/a	A	PREEM	113	15.0	18.0	17.0	14.0
							208	16.0	16.0	14.0	15.0
							304	17.0	15.0	15.0	15.0
							405	11.0	13.0	13.0	14.0
							Mean =	14.8	15.5	14.8	14.5
14	Valor	51 WG	80 WG	3 oz/a	A	PREEM	114	15.0	16.0	16.0	16.0
							210	17.0	15.0	13.0	14.0
							312	18.0	16.0	17.0	14.0
							408	14.0	14.0	14.0	14.0
							Mean =	16.0	15.3	15.0	14.5

University of Georgia

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Location: Trial Year: 2024

Project ID: 156

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D.

Conducted Under GEP: No

Investigator:

Trial Origin: P public institution trial

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jul-30-24 INCHES PEANUT HEIGHT6	Jul-30-24 INCHES PEANUT HEIGHT-AVG	Sep-23-24 LBS/PLOT PEANUT DIRTY YIELD	Sep-23-24 LBS/PLOT PEANUT CLEAN YIELD	
Trt	Treatment	Form	Form	Rate	Appl	Appl	Plot				
No.	Name	Conc	Type	Rate	Unit	Code	Timing	24	25	26	27
1	Untreated Check						101	15.0	15.5	.	.
							207	15.0	15.8	11.50	11.3
							310	14.0	14.8	14.30	14.0
							413	17.0	15.7	13.40	13.1
							Mean =	15.3	15.5	13.07	12.8
2	Python 80 WG	80 WG		0.83 oz	wt/a	A	PREEM 102	16.0	15.3	9.60	9.4
							211	16.0	14.0	11.10	10.9
							314	16.0	16.0	17.00	16.7
							402	15.0	16.3	.	.
							Mean =	15.8	15.4	12.57	12.3
3	Python 80 WG	80 WG		1 oz	wt/a	A	PREEM 103	14.0	14.5	12.70	12.4
							202	17.0	16.2	.	.
							306	16.0	15.0	14.50	14.2
							411	15.0	15.0	14.10	13.8
							Mean =	15.5	15.2	13.77	13.5
4	Python 80 WG	80 WG		1.25 oz	wt/a	A	PREEM 104	14.0	13.5	10.80	10.6
							213	16.0	14.5	12.00	11.8
							302	17.0	15.5	10.80	10.6
							401	15.0	16.3	.	.
							Mean =	15.5	15.0	11.20	11.0
5	Python 80 WG	80 WG		1.33 oz	wt/a	A	PREEM 105	12.0	13.3	9.90	9.7
							203	16.0	14.0	13.70	13.4
							305	15.0	14.0	11.80	11.6
							403	14.0	13.7	13.10	12.8
							Mean =	14.3	13.8	12.13	11.9
6	Python 80 WG	80 WG		1.66 oz	wt/a	A	PREEM 106	13.0	13.8	12.90	12.6
							205	16.0	13.8	12.90	12.6
							308	12.0	14.0	.	.
							412	16.0	13.8	13.60	13.3
							Mean =	14.3	13.9	13.13	12.9
7	Python 80 WG	80 WG		2 oz	wt/a	A	PREEM 107	13.0	13.2	11.40	11.2
							212	13.0	13.5	11.60	11.4
							309	14.0	12.8	.	.
							414	17.0	15.5	15.50	15.2
							Mean =	14.3	13.8	12.83	12.6
8	Python 80 WG	80 WG		2.5 oz	wt/a	A	PREEM 108	14.0	13.0	.	.
							204	15.0	13.7	14.20	13.9
							313	14.0	13.7	15.60	15.3
							410	13.0	12.0	13.30	13.0
							Mean =	14.0	13.1	14.37	14.1
9	Python 80 WG	80 WG		2.66 oz	wt/a	A	PREEM 109	15.0	13.2	.	.
							206	13.0	12.8	11.40	11.2
							307	15.0	13.2	13.20	12.9
							404	14.0	13.3	12.80	12.5
							Mean =	14.3	13.1	12.47	12.2
10	Valor	51 WG		3 oz/a		A	PREEM 110	15.0	13.8	13.60	13.3
							209	17.0	16.7	11.40	11.2
							301	16.0	17.7	13.40	13.1
							409	19.0	17.0	.	.
							Mean =	16.8	16.3	12.80	12.5

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Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

Location: Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.

Trial Origin: P public institution trial

Conducted Under GEP: No

Evaluation of flumetsulam preemergence for safety in peanut- GA-06G

Rating Date Part Rated Rating Unit Crop Name Rating Type							Jul-30-24 INCHES PEANUT HEIGHT6	Jul-30-24 INCHES PEANUT HEIGHT-AVG	Sep-23-24 LBS/PLOT PEANUT DIRTY YIELD	Sep-23-24 LBS/PLOT PEANUT CLEAN YIELD
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Code	Appl Timing Plot	24	25	26	27
11	Valor Python 80 WG	51 WG 80 WG		3 oz/a 1 oz wt/a	A A	PREEM 111	15.0	14.7	16.10	15.8
						PREEM 214	17.0	16.2	16.00	15.7
						303	16.0	15.3	15.20	14.9
						406	15.0	14.5	15.30	15.0
						Mean =	15.8	15.2	15.65	15.3
12	Dual II Magnum 7.64 EC	7.64 EC		1.33 pt/a	A	PREEM 112	16.0	15.0	14.70	14.4
						201	18.0	16.8	.	.
						311	15.0	15.5	13.90	13.6
						407	16.0	15.8	14.10	13.8
						Mean =	16.3	15.8	14.23	13.9
13	Dual II Magnum 7.64 EC Python 80 WG	7.64 EC 80 WG		1.33 pt/a 1 oz wt/a	A A	PREEM 113	16.0	16.0	14.30	14.0
						PREEM 208	17.0	15.5	.	.
						304	13.0	14.7	14.00	13.7
						405	14.0	13.7	12.00	11.8
						Mean =	15.0	15.0	13.43	13.2
14	Valor Dual II Magnum 7.64 EC Python 80 WG	51 WG 7.64 EC 80 WG		3 oz/a 1.33 pt/a 1 oz wt/a	A A A	PREEM 114	15.0	15.5	16.30	16.0
						PREEM 210	16.0	15.2	12.80	12.5
						PREEM 312	14.0	15.5	16.20	15.9
						408	16.0	14.5	.	.
						Mean =	15.3	15.2	15.10	14.8

University of Georgia

Trial ID: 24HD156USGA09-A

Protocol ID: 24HD156US

Project ID: 156

Study Director: Greg Armel, Ph.D.

Investigator:

Location:

Trial Year: 2024

Sponsor Contact: Greg Armel, Ph.D.

Trial Origin: P public institution trial

Conducted Under GEP: No

Rating Date							Sep-23-24
Part Rated							
Rating Unit							LBS/A
Crop Name							PEANUT
Rating Type							YIELD
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Code	Appl Timing	Plot
28							
1	Untreated Check						101 207 310 413 Mean =
							. 3145.5 3911.4 3665.2 3574.1
2	Python 80 WG	80 WG		0.83 oz wt/a A	PREEM		102 211 314 402 Mean =
							2625.8 3036.1 4649.9 . 3437.3
3	Python 80 WG	80 WG		1 oz wt/a A	PREEM		103 202 306 411 Mean =
							3473.8 . 3966.1 3856.7 3765.5
4	Python 80 WG	80 WG		1.25 oz wt/a A	PREEM		104 213 302 401 Mean =
							2954.1 3282.3 2954.1 . 3063.5
5	Python 80 WG	80 WG		1.33 oz wt/a A	PREEM		105 203 305 403 Mean =
							2707.9 3747.3 3227.6 3583.2 3316.5
6	Python 80 WG	80 WG		1.66 oz wt/a A	PREEM		106 205 308 412 Mean =
							3528.5 3528.5 . 3719.9 3592.3
7	Python 80 WG	80 WG		2 oz wt/a A	PREEM		107 212 309 414 Mean =
							3118.2 3172.9 . 4239.6 3510.2
8	Python 80 WG	80 WG		2.5 oz wt/a A	PREEM		108 204 313 410 Mean =
							. 3884.0 4267.0 3637.9 3929.6
9	Python 80 WG	80 WG		2.66 oz wt/a A	PREEM		109 206 307 404 Mean =
							. 3118.2 3610.5 3501.1 3409.9
10	Valor	51 WG		3 oz/a A	PREEM		110 209 301 409 Mean =
							3719.9 3118.2 3665.2 . 3501.1

University of Georgia

Evaluation of flumetsulam preemergence for safey in peanut- GA-06G	
Trial ID: 24HD156USGA09-A	
Protocol ID: 24HD156US	Location: Trial Year: 2024
Project ID: 156	
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No	
Investigator: Trial Origin: P public institution trial	
Rating Unit	
%, 0, 100, = percent	
Rating Type	
YIELD = yield	
ARM Action Codes	
T1 = ([C6]+[C7]+[C8]+[C9]+[C10])/5	
T2 = ([C12]+[C13]+[C14]+[C15]+[C16])/5	
T3 = ([C19]+[C20]+[C21]+[C22]+[C23]+[C24])/6	
T4 = [26]*0.98	
TY5 = 279.10666667*[27]	