# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:

Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:

Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025

Project ID: 041 Project ID 2: Project ID 3:

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No

Investigator: Trial Origin: P public institution trial Restricted:

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 | Rate Unit | Appl Code | Appl Timing | Amt Product to Measure | Diluent | Rep 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Untreated Check | | | | | | | | - | 101 | 202 | 314 | 409 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | A | PREEM | 0.5991 g/mx | 1499.4 mL | 102 | 207 | 311 | 412 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | A | PREEM | 0.6815 g/mx | 1499.3 mL | 103 | 205 | 301 | 414 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | A | PREEM | 0.7714 g/mx | 1499.2 mL | 104 | 208 | 304 | 406 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | A | PREEM | 0.8538 g/mx | 1499.1 mL | 105 | 206 | 303 | 410 |
| 6 | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | A | PREEM | 1.562 mL/mx | 1498.4 mL | 106 | 203 | 313 | 403 |
| 7 | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | A | PREEM | 1.789 mL/mx | 1498.2 mL | 107 | 212 | 309 | 401 |
| 8 | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | A | PREEM | 2.008 mL/mx | 1498 mL | 108 | 204 | 305 | 404 |
| 9 | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | A | PREEM | 2.234 mL/mx | 1497.8 mL | 109 | 210 | 312 | 405 |
| 10 | Python 80 WG<br>Valor EZ 4 SC | 80<br>4 | WG<br>SC | 0.8<br>2 | oz wt/a<br>fl oz/a | A<br>A | PREEM<br>PREEM | 0.5991 g/mx<br>1.562 mL/mx | 1497.8 mL | 110 | 211 | 306 | 408 |
| 11 | Python 80 WG<br>Valor EZ 4 SC | 80<br>4 | WG<br>SC | 0.91<br>2.29 | oz wt/a<br>fl oz/a | A<br>A | PREEM<br>PREEM | 0.6815 g/mx<br>1.789 mL/mx | 1497.5 mL | 111 | 201 | 310 | 402 |
| 12 | Python 80 WG<br>Valor EZ 4 SC | 80<br>4 | WG<br>SC | 1.03<br>2.57 | oz wt/a<br>fl oz/a | A<br>A | PREEM<br>PREEM | 0.7714 g/mx<br>2.008 mL/mx | 1497.2 mL | 112 | 209 | 307 | 413 |
| 13 | Python 80 WG<br>Valor EZ 4 SC | 80<br>4 | WG<br>SC | 1.14<br>2.86 | oz wt/a<br>fl oz/a | A<br>A | PREEM<br>PREEM | 0.8538 g/mx<br>2.234 mL/mx | 1496.9 mL | 113 | 214 | 308 | 411 |
| 14 | Brake 1.2 L | 1.2 | L | 12 | fl oz/a | A | PREEM | 9.375 mL/mx | 1490.6 mL | 114 | 213 | 302 | 407 |

Sort Order: Treatment

Trial Comments

OVERSEEDED WITH SCARIFIED SICKELPOD SEED FROM AZLIN.

SELECT MAX @ 16 OZ/A + ADEPT @ 0.25% V/V:MAY 20
BASAGRAN 5SL @ 26 OZ/A + COC @ 1% V/V: MAY 22 AND MAY 28
COBRA @ 12.5 OZ/A + DUAL MAGNUM @ 16 OZ/A: MAY 29
CADRE @ 4 OZ/A + 2,4-DB @ 16 OZ/A + DUAL MAGNUM @ 16 OZ/A: JUNE 18

HAND-REMOVED SICKLEPOD FROM PLOT AREA AFTER LAST RATING TO FACILITATE EASIER HARVESTING: JUNE 18

DIGGING DATE: 09/18/25 (141 DAYS)
HARVEST DATE:09/22/25
HARVEST MOISTURE: 11.3%
YIELDS ADJUSTED TO 10% MOISTURE.
2% YIELD DEDUCTION FOR FM

**MISSING YIELD DATA IN PLOTS 114, 214, AND 314 DUETO HEAVIER SOIL TYPE AND COMBINE PROBLEMS.**

**SUMMARY:**

1) PRE APPLICATIONS OF PYTHON CAUSED SIGNIFICANT PEANUT INJURY IN THE FORM OF STUNTING AND CHLOROSIS.

2) DEPENDING UPON RATING DATE, SICKLEPOD CONTROL WITH PRE APPLICATIONS OF PYTHON WAS FAIR TO GOOD (~ 70-85%).

3) PEANUT YIELDS WERE SIGNIFICANTLY REDUCED BY PRE APPLICATIONS OF PYTHON UP TO 23%.

4) INTERESTINGLY, PRE APPLICATIONS OF VALOR PROVIDED EXCELLENT (>95%) CONTROL OF SICKLEPOD IN THIS TEST. SICKLEPOD CONTROL WITH VALOR HAS BEEN OBSERVED FROM TIME TO TIME BUT NOT CONSISTENTLY.

**General Trial Information**

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Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

**Study Director:** Greg Armel, Ph.D. **Title:** Product Development Manager, Southe
**Investigator:** _____ **Title:** _____

**Discipline:** H herbicide
**Status:** E established
**Status Date:** May-12-25 **Last Export Date:** _____ **Data Location:** _____
**ARM Trial Created On:** Sep-26-25 **Meets All Objectives:** _ **Usage/Type:** ___
**Initiation Date:** _____ **Planned Completion Date:** _____ **Last Changed By:** Eric P. Prostko
**Completion Date:** _____ **Last Possible Tour Visit:** _____ **Reliability:** _____
**Protocol Revision Number:** _____ **Protocol Revision Date:** Feb-10-25 **Interim Data Due:** Oct-1-25
**Interim Report Due:** _____ **Final Report Due:** _____

**Trial Location**
**Address (Location):** _____
**City:** Tifton **Country:** USA United State
**State/Prov.:** Georgia GA **County:** _____
**Postal Code:** _____ **Climate Zone:** _____

**Upper Left:** _____ _____ **Upper Right:** _____ _____
**Latitude of LL Corner °:** _____ _ **Lower Right:** _____ _____
**Longitude of LL Corner °:** _____ _ USAGA 35.001303 - 30.355757
**GPS Accuracy of LL Corner:** _____ __ -80.839631 - -85.605165
**Altitude of LL Corner:** _____ _____ **GPS Target:** ___
**Angle y-axis to North °:** _____ **Map Reference:** _____
**Time Zone:** _____

**Directions:**

**Keywords:**

**Regulations**

**Contacts**

**Crop Description**

**Crop 1:** C ARHHY Arachis hypogaea peanut
**Entry Date:** May-12-25 **Crop Group:** _____ **Stage Scale:** BBCH
**Variety:** GA-06G **Maturity Group:** _____
**Attributes:** _____ **Natural Crop Population:** _
**Seed Lot No:** _____ **Seed Source:** _____
**% Germination:** _____ **% Seed Moisture:** _____ **1000 Seed Weight:** _____ __
**Seed Shape:** _____ **Seed Size:** _____ __
**Perennial Age:** _____ _____ **Perennial Height:** _____ __
**Seed Mod./Coating Type:** _____ **Seed Treatment Products:** _____
**Nursery Date:** _____
**Planting Date:** May-1-25 **Approximate?:** _ **Planting Rate:** _____
**Depth:** 2 IN **Planting Density:** 3.5
**Rows per Plot:** 4 **Planting Method:** _____
**Row Spacing:** _____ _____ **Planting Equipment:** _____
**Spacing within Row:** _____ _____ **Seed Bed:** _____
**Soil Temperature:** _____ _ **Soil Moisture:** _____
**Ground Cover Planting:** _____ **Plant Arrangement:** _____
**Emergence Date:** _____
**Planting Stage:** _____ **Plant Shape:** _____
**Transplant Weight:** _____ _____ **Transplant Height:** _____ __
**Rootstock:** _____ **Scion:** _____
**Harvest Date:** _____ **Harvest Equipment:** _____
**Moisture Meter:** _____ **Harvested Width:** 6 FT
**% Standard Moisture:** 10.0 **Harvested Length:** 25 FT
**Weighing Equipment:** _____

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Investigator: Trial Origin: P public institution trial Restricted:

## Pest Description

**Pest 1 Type:** W **Code:** CASOB Senna obtusifolia **Entry Date:**
**Common Name:** Chinese senna **Stage Scale:** BBCH
**Attributes:** _____ **Artificial Population:** _
**Resistance Characteristics:** _____ _____ _____ **Resistance Information:** ___
**Establishment Date:** _____ **Time:** _____ **Stage at Establishment:** _____
**Establishment Rate:** _____ _____ **Pest Depth:** _____
**Concentration:** _____ _____
**Establishment Method/Description:** _____
**Crop:** __ _____ **Stage at Infestation:** _____

**Pest 2 Type:** W **Code:** AMAPA Amaranthus palmeri **Entry Date:**
**Common Name:** Palmer amaranth **Stage Scale:** BBCH
**Attributes:** _____ **Artificial Population:** _
**Resistance Characteristics:** _____ _____ _____ **Resistance Information:** ___
**Establishment Date:** _____ **Time:** _____ **Stage at Establishment:** _____
**Establishment Rate:** _____ _____ **Pest Depth:** _____
**Concentration:** _____ _____
**Establishment Method/Description:** _____
**Crop:** __ _____ **Stage at Infestation:** _____

**Pest 3 Type:** W **Code:** RAPRA Raphanus raphanistrum **Entry Date:**
**Common Name:** Wild radish **Stage Scale:** BBCH
**Attributes:** _____ **Artificial Population:** _
**Resistance Characteristics:** _____ _____ _____ **Resistance Information:** ___
**Establishment Date:** _____ **Time:** _____ **Stage at Establishment:** _____
**Establishment Rate:** _____ _____ **Pest Depth:** _____
**Concentration:** _____ _____
**Establishment Method/Description:** _____
**Crop:** __ _____ **Stage at Infestation:** _____

**Pest 4 Type:** W **Code:** MOLVE Mollugo verticillata **Entry Date:**
**Common Name:** carpetweed **Stage Scale:** BBCH
**Attributes:** _____ **Artificial Population:** _
**Resistance Characteristics:** _____ _____ _____ **Resistance Information:** ___
**Establishment Date:** _____ **Time:** _____ **Stage at Establishment:** _____
**Establishment Rate:** _____ _____ **Pest Depth:** _____
**Concentration:** _____ _____
**Establishment Method/Description:** _____
**Crop:** __ _____ **Stage at Infestation:** _____

## Site and Design

**Treated Plot Width:** 6 FT **Total Plot Width:** _____ _____ **Site Type:** FIELD f
**Treated Plot Length:** 25 FT **Total Plot Length:** _____ _____ **Experimental Unit:** _____ _____
**Treated Plot Area:** 150.0 FT2 **Trial Cost:** _____ ___ **Tillage Type:** CONTIL c
**Replications:** 4 **Treatments:** 14 **Plots:** 56 **Study Design:** RACOBL R
**% Slope:** _____ **Trial Map arranged as in field?:** _ **Exposure:** _____
**Untreated Arrangement:** _____
**Block Arrangement:** _____
**Distance between Blocks:** 1 **Buffer Zone:** _____
**Distance between 'Plot' Experimental Units:** 0.5 FT

**Trial Initiation Comments:**

**Location Quality:**

| No. | Previous Crop | Previous Pest Type | Previous Pest | Previous Pesticides | Year | Month | Comment |
|---|---|---|---|---|---|---|---|
| 1. | FIELD CORN | | | | 2024 | | |
| 2. | | | | | | | |

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## Maintenance

| No. | Date | Type | Maintenance Product Name | Form Conc | Form Unit | Form Type | Lot Code | Specific Gravity | Registration Number | Re-Entry Interval | Description | Cost | Cost Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | HERB | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | |

| No. | Date | Type | Maintenance Product Name | Identification Code | Supplier | Risk Phrase | Safety Phrase | Rate | Rate Unit | Tank Mix (Y/N) | Tank Mix (Yes/No) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | HERB | | | | | | | | | | |
| 2. | | | | | | | | | | | | |

**Comment:** Apply a graminicide like Assure II or Select Max at anytime to keep this trial area (including checks) completely free from grass weeds as we wish to ascertain the effectiveness of these PRE treatments on broadleaf weeds.

**Field Prep./Maintenance:**
750 LBS/A 5-15-30 PREPLANT
36"-9" TWIN ROWS
THIMET 20G INFR @ 7.5 LBS/A
RANCONA VPD SEED TRT

## Soil Description

**Date:** _____
**Description Name:** _____
**% Sand:** 94 **% OM:** 0.6 **Texture:** S sand
**% Silt:** 4 **% Carbon:** _____ **Soil Name:** DOTHAN/TIFTON
**% Clay:** 2 **% Lime:** _____ **Fert. Level:** G good
**pH:** 6.0 **CEC:** 2.8
**Soil Drainage:** G good **Water Leaching:** _____ _____
**Turf Thatch Rating:** _____
**Comment:**

**Soil Properties to Record**

| No. | Property | Unit |
|---|---|---|
| | | |
| 1. | | |

**Additional Measured Soil Properties**
**Insert Soil Records**

| No. | Date | Property | Value | Unit | Depth | Unit | Source | Comment |
|---|---|---|---|---|---|---|---|---|
| 1. | | | | | | | | |

## Weather Conditions

**Overall Moisture Conditions:** _____ **Irrigation Type:** _____
**Weather Station Name:** _____ **Code:** _____ **Distance:** _____ __ **Official Weath**

| No. | Date | Time | Moisture Total | Unit | Precip | Unit | Irrigation | Unit | Type | Type Description | Interval | Unit | Leaf Wetness Duration | Unit | 30Y Precip | Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | | | | | | | | | | | | | | | |

| No. | Date | Min Temp | Max Temp | Avg Temp | Temp Unit | 30Y Min Temp | 30Y Max Temp | 30Y Avg Temp | Unit | Min % Relative Humidity | Max % Relative Humidity | Avg % Relative Humidity | Min Wind | Max Wind | Avg Wind | Unit | 30Y Avg Wind |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | | | | | | | | | | | | | | | | |

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| No. | Date | Unit | % Cloud Cover | Avg Shortwave Radiation | Unit | 30Y Avg Shortwave Radiation | Unit | Avg Soil Temp | Unit | 0-10 cm Scaled Soil Moisture | 0-200 cm Scaled Soil Moisture | Source | Additional Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | | | | | | | | | | | | |

**Comment:**
**RAINFALL/IRRIGATION DATA**

05/01/25: 0.5 IRRIGATION
05/03/25: 0.5" IRRIGATION
05/06/25: 0.5" IRRIGATON
05/09/25: 0.47" RAINFALL
05/10/25: 0.11" RAINFALL
05/11/25: 0.42" RAINFALL
05/16/25: 0.5" IRRIGATION
05/18/25: 0.15" IRRIGATION
05/21/25: 0.3" RAINFALL
05/23/25: 0.5" IRRIGATION
05/26/25: 0.12" RAINFALL
05/27/25: 0.1" RAINFALL
05/28/25: 0.09" RAINFALL
05/28/25: 0.5" IRRIGATION
05/29/25: 0.7" RAINFALL
06/04/25: 0.38" RAINFALL
06/05/25: 0.57" RAINFALL
06/09/25: 0.3" IRRIGATION
06/09/25: 0.4" RAINFALL
06/10/25: 0.2" RAINFALL
06/11/25: 0.2" RAINFALL
06/13/25: 0.5" IRRIGATION
06/14/25: 0.2" RAINFALL
06/15/25: 0.65" RAINFALL
06/19/25: 0.2" RAINFALL
06/19/25: 0.5" IRRIGATION
06/23/25: 0.5" IRRIGATION
06/26/25: 0.65" RAINFALL

**Controlled Environment (Greenhouse/Growth Chamber)**

| No. | Equipment No. | Light Equipment No. | Light Equipment Name | Min Temp Hours | Max Temp Hours | Irrigation Equipment No. | Irrigation Equipment Name |
|---|---|---|---|---|---|---|---|
| 1. | | | | | | | |

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**Application Description**

| | A |
|---|---|
| | |
| **Date** | May-3-25 |
| **Start Time** | |
| **Stop Time** | 6:45 AM |
| **Interval to Prev. Appl.** | |
| **Standard** | |
| **Method** | BROADC |
| **Timing** | PREEM |
| **Placement** | BROFOL |
| **Mixed/Prepared By** | EPP |
| **Applied By** | EPP |
| **Entry Date** | May-12-25 |
| **Air Temperature Start, Stop** | 65, F |
| **% Relative Humidity Start, Stop** | 91, |
| **Wind Velocity+Dir. Start** | 0 MPH, |
| **Wind Velocity+Dir. Stop** | |
| **Wind Velocity+Dir. Max** | |
| **Wet Leaves (Y/N)** | |
| **Soil Temperature** | 70 F |
| **Soil Temperature Depth** | 3 IN |
| **Soil Moisture** | OPTIMUM |
| **Flood-Appl Interval** | |
| **Soil Surface Condition** | |
| **% Ground Cover** | |
| **% Cloud Cover** | 20 |
| **Solar Radiation Start** | |
| **Solar Radiation Stop** | |
| **Solar Radiation Max** | |
| **First Moisture Occurred On** | |
| **Time to First Moisture** | |
| **Amount of First Moisture** | |
| **Moisture 2 Weeks Before Appl.** | |
| **Moisture 1 Week Before Appl.** | |
| **Moisture 6 Hours After Appl.** | |
| **Moisture 24 Hours After Appl.** | |
| **Moisture 1 Week After Appl.** | |
| **Moisture 2 Weeks After Appl.** | |
| **Moisture 3 Weeks After Appl.** | |
| **Moisture 4 Weeks After Appl.** | |
| **Weather Source** | |
| **Problems with Application?** | |

**Comment:**

**Protocol Application Directions:**

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**Crop Stage At Each Application**

| | A |
|---|---|
| **Crop 1 Code, BBCH Scale** | ARHHY, BPNT |
| **Days after Emergence** | |
| **Stage Scale Used** | BBCH |
| **Stage Majority, Percent** | 00, |
| **Stage Minimum, Percent** | |
| **Stage Maximum, Percent** | |
| **Growth Condition** | |
| **Diameter Average** | |
| **Diameter Minimum, Maximum** | |
| **Height Average** | |
| **Height Minimum, Maximum** | |
| **Density Average** | |
| **Density Minimum, Maximum** | |
| **Total Canopy Height** | |
| **Treated Canopy Height** | |
| **Treated Leaf Wall Area** | |
| **Treated LWA Formula** | |
| **Treated LWA per Plot** | |
| **Total Leaf Wall Area** | |
| **Total LWA Formula** | |
| **Treated Tree Row Volume** | |
| **Treated TRV Formula** | |
| **Treated TRV per Plot** | |
| **Total Tree Row Volume (m3/ha)** | |
| **Coverage** | |

**Pest Stage At Each Application**

| | A |
|---|---|
| **Pest 1 Code, Type, Scale** | CASOB, W, BBCH |
| **Establishment Interval** | |
| **Stage Majority, Percent** | |
| **Stage Minimum, Percent** | |
| **Stage Maximum, Percent** | |
| **Growth Condition** | |
| **Diameter Average** | |
| **Diameter Minimum, Maximum** | |
| **Height Average** | |
| **Height Minimum, Maximum** | |
| **Relative Density** | |
| **Density Average** | |
| **Density Minimum, Maximum** | |
| **Coverage** | |
| **Crop Part Attacked, Code** | |
| **Pest 2 Code, Type, Scale** | AMAPA, W, BBCH |
| **Establishment Interval** | |

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| | A |
|---|---|
| **Stage Majority, Percent** | |
| **Stage Minimum, Percent** | |
| **Stage Maximum, Percent** | |
| **Growth Condition** | |
| **Diameter Average** | |
| **Diameter Minimum, Maximum** | |
| **Height Average** | |
| **Height Minimum, Maximum** | |
| **Relative Density** | |
| **Density Average** | |
| **Density Minimum, Maximum** | |
| **Coverage** | |
| **Crop Part Attacked, Code** | |
| **Pest 3 Code, Type, Scale** | RAPRA, W, BBCH |
| **Establishment Interval** | |
| **Stage Majority, Percent** | |
| **Stage Minimum, Percent** | |
| **Stage Maximum, Percent** | |
| **Growth Condition** | |
| **Diameter Average** | |
| **Diameter Minimum, Maximum** | |
| **Height Average** | |
| **Height Minimum, Maximum** | |
| **Relative Density** | |
| **Density Average** | |
| **Density Minimum, Maximum** | |
| **Coverage** | |
| **Crop Part Attacked, Code** | |
| **Pest 4 Code, Type, Scale** | MOLVE, W, BBCH |
| **Establishment Interval** | |
| **Stage Majority, Percent** | |
| **Stage Minimum, Percent** | |
| **Stage Maximum, Percent** | |
| **Growth Condition** | |
| **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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**Application Equipment**

| | A |
|---|---|
| **Equipment Name** | BOOM |
| **Equipment Type** | BACCAI |
| **Flying Mode** | |
| **Operation Pressure** | 38 PSI |
| **Nozzle Model** | AIXR 11002 |
| **Nozzle Type** | |
| **Nozzle TradeName** | |
| **Nozzle Tip Size, Color** | |
| **Nozzle Spacing** | 20.0 IN |
| **Nozzles/Row** | |
| **Nozzle Count** | |
| **Nozzle Calibration** | |
| **Nozzle Filter Mesh** | |
| **Spray Quality** | |
| **Time to Treat 1 Plot** | |
| **Band Width** | |
| **Spray Swath** | |
| **% Coverage** | |
| **Row Sides Applied** | |
| **Concentration Factor** | |
| **Boom ID** | |
| **Boom Length** | 60.0 IN |
| **Boom Height** | 20.0 IN |
| **Boom Flow Rate** | |
| **Ground Speed** | 3.5 MPH |
| **Incorporation Equip.** | |
| **Hours to Incorp.** | |
| **Incorp. Depth** | |
| **Carrier** | WATER |
| **Water Hardness (ppm CaCO3)** | |
| **Application Amount** | 15 GAL/AC |
| **Minimum Mix/Treatment** | 0.782 L |
| **Mix Overage** | |
| **Mix Size** | 1.5 L |
| **Spray pH** | |
| **Propellant** | COMCO2 |
| **Tank Mix (Y/N)** | Y, yes |

**Equipment Comment:**

**Protocol Equipment Comment:**

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Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

## Equipment

| | 1. |
|---|---|
| **Equipment Name** | |
| **Type** | |
| **Method/Sub-type** | |
| **Method/Sub-type Description** | |
| **Trade Name** | |
| **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

## Notes

## Deviations

**No. 1:**

## SE Definitions

**1.**

**SE Tasks**
**1.**

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | May-12-25 | May-12-25 | May-12-25 | May-12-25 | May-20-25 | May-20-25 |
| Rating Type | | | | | | | STUNTING | CONTROL | CONTROL | CONTROL | STUNTING | CONTROL |
| Rating Unit | | | | | | | % | % | % | % | % | % |
| Rating Min/Max/Interval | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| Crop Name | | | | | | | peanut | | | | peanut | |
| Pest Code | | | | | | | | CASOB | AMAPA | RAPRA | | CASOB |
| 1 | Untreated Check | | | | | | 0 g | 0 d | 0 na | 0 e | 0.0 h | 0.0 f |
| 2 | Python 80 WG | 80 WG | | 0.8 | oz wt/a | PREEM | 24 cd | 59 c | 99 na | 74 c | 20.0 de | 70.0 d |
| 3 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 28 bc | 58 c | 99 na | 89 b | 18.8 ef | 76.3 c |
| 4 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 33 ab | 61 c | 99 na | 69 cd | 27.5 abc | 77.5 c |
| 5 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 33 ab | 60 c | 99 na | 64 d | 23.8 cd | 82.5 b |
| 6 | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | 19 de | 99 a | 99 na | 99 a | 15.0 fg | 96.0 a |
| 7 | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 15 e | 99 a | 99 na | 99 a | 11.3 g | 99.0 a |
| 8 | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 19 de | 99 a | 99 na | 99 a | 16.3 ef | 98.0 a |
| 9 | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 25 c | 99 a | 99 na | 99 a | 16.3 ef | 98.0 a |
| 10 | Python 80 WG | 80 WG | | 0.8 | oz wt/a | PREEM | 31 ab | 99 a | 99 na | 99 a | 26.3 bc | 98.0 a |
| | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | | | | | | |
| 11 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 34 a | 99 a | 99 na | 99 a | 26.3 bc | 99.0 a |
| | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | | | | | | |
| 12 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 34 a | 99 a | 99 na | 99 a | 30.0 ab | 99.0 a |
| | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | | | | | | |
| 13 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 36 a | 99 a | 99 na | 99 a | 31.3 a | 99.0 a |
| | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | | | | | | |
| 14 | Brake 1.2 L | 1.2 L | | 12 | fl oz/a | PREEM | 6 f | 78 b | 99 na | 73 c | 0.0 h | 57.5 e |
| LSD P=.10 | | | | | | | 6.2 | 6.2 | . | 7.8 | 4.76 | 4.92 |
| Standard Deviation | | | | | | | 5.2 | 5.2 | 0.0 | 6.5 | 4.00 | 4.13 |
| CV | | | | | | | 21.65 | 6.53 | 0.0 | 7.89 | 21.32 | 5.03 |
| Grand Mean | | | | | | | 23.9 | 79.1 | 91.9 | 82.8 | 18.75 | 82.13 |
| Replicate F | | | | | | | 1.597 | 3.077 | NaN | 3.606 | 1.080 | 1.491 |
| Replicate Prob(F) | | | | | | | 0.2056 | 0.0386 | NaN | 0.0216 | 0.3687 | 0.2319 |
| Treatment F | | | | | | | 18.092 | 126.695 | NaN | 70.126 | 24.731 | 173.876 |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | NaN | 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=22,23,24
Could not calculate LSD (% mean diff) or mean separation letters for columns 3,10,15 because error variance is 0.
Mean separation letters are 'na' (not applicable) when error variance is 0
^Calculated from residual.

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | May-20-25 | May-20-25 | May-28-25 | May-28-25 | May-28-25 | May-28-25 |
| Rating Type | | | | | | | CONTROL | CONTROL | STUNTING | BLEACHING | CHLOROSIS | CONTROL |
| Rating Unit | | | | | | | % | % | % | % | % | % |
| Rating Min/Max/Interval | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| Crop Name | | | | | | | | | peanut | peanut | peanut | |
| Pest Code | | | | | | | AMAPA | RAPRA | | | | CASOB |
| 1 | Untreated Check | | | | | | 0.0 d | 0.0 e | 0.0 f | 0.0 na | 0.0 b | 0.0 f |
| 2 | Python 80 WG | 80 WG | | 0.8 | oz wt/a | PREEM | 93.8 b | 65.0 d | 16.3 cd | 0.0 na | 25.0 a | 87.5 cd |
| 3 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 95.0 b | 75.0 c | 20.0 bc | 0.0 na | 22.5 a | 85.0 d |
| 4 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 91.3 c | 82.5 b | 26.3 ab | 0.0 na | 25.0 a | 92.3 bc |
| 5 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 91.3 c | 70.0 cd | 25.0 ab | 0.0 na | 27.5 a | 87.5 cd |
| 6 | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | 99.0 a | 99.0 a | 7.5 e | 0.0 na | 0.0 b | 95.8 ab |
| 7 | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 99.0 a | 97.0 a | 7.5 e | 0.0 na | 0.0 b | 99.0 a |
| 8 | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 99.0 a | 97.0 a | 7.5 e | 0.0 na | 0.0 b | 98.0 ab |
| 9 | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 99.0 a | 99.0 a | 10.0 de | 0.0 na | 0.0 b | 99.0 a |
| 10 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 0.8<br>2 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 99.0 a | 20.0 bc | 0.0 na | 26.3 a | 99.0 a |
| 11 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 0.91<br>2.29 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 99.0 a | 23.8 ab | 0.0 na | 28.8 a | 99.0 a |
| 12 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 1.03<br>2.57 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 99.0 a | 26.3 ab | 0.0 na | 21.3 a | 99.0 a |
| 13 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 1.14<br>2.86 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 99.0 a | 28.8 a | 0.0 na | 23.8 a | 99.0 a |
| 14 | Brake 1.2 L | 1.2 L | | 12 | fl oz/a | PREEM | 99.0 a | 82.5 b | 0.0 f | 0.0 na | 0.0 b | 52.5 e |
| LSD P=.10 | | | | | | | 1.32 | 6.74 | 6.41 | . | 7.72 | 6.23 |
| Standard Deviation | | | | | | | 1.11 | 5.66 | 5.38 | 0.00 | 6.48 | 5.23 |
| CV | | | | | | | 1.23 | 6.81 | 34.42 | 0.0 | 45.33 | 6.14 |
| Grand Mean | | | | | | | 90.16 | 83.07 | 15.63 | 0.00 | 14.29 | 85.18 |
| Replicate F | | | | | | | 2.308 | 0.345 | 0.468 | NaN | 0.710 | 1.669 |
| Replicate Prob(F) | | | | | | | 0.0915 | 0.7929 | 0.7062 | NaN | 0.5521 | 0.1895 |
| Treatment F | | | | | | | 2228.484 | 90.077 | 13.920 | NaN | 16.041 | 110.421 |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | 0.0001 | NaN | 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=22,23,24
Could not calculate LSD (% mean diff) or mean separation letters for columns 3,10,15 because error variance is 0.
Mean separation letters are 'na' (not applicable) when error variance is 0
^Calculated from residual.

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | May-28-25 | Jun-4-25 | Jun-4-25 | Jun-4-25 | Jun-16-25 | Jun-16-25 |
| Rating Type | | | | | | | CONTROL | STUNTING | BLEACHING | CONTROL | STUNTING | CHLOROSIS |
| Rating Unit | | | | | | | % | % | % | % | % | % |
| Rating Min/Max/Interval | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| Crop Name | | | | | | | | peanut | peanut | | peanut | peanut |
| Pest Code | | | | | | | AMAPA | | | CASOB | | |
| 1 | Untreated Check | | | | | | 0.0 c | 0.0 e | 0.0 na | 0.0 f | 0.0 f | 0.0 c |
| 2 | Python 80 WG | 80 WG | | 0.8 | oz wt/a | PREEM | 81.3 b | 25.0 c | 0.0 na | 75.0 d | 27.5 d | 10.0 a |
| 3 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 81.3 b | 27.5 bc | 0.0 na | 78.8 c | 28.8 cd | 5.0 b |
| 4 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 80.0 b | 31.3 ab | 0.0 na | 80.0 bc | 37.5 a | 10.0 a |
| 5 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 78.8 b | 31.3 ab | 0.0 na | 82.5 b | 32.5 a-d | 8.8 a |
| 6 | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | 99.0 a | 13.8 d | 0.0 na | 99.0 a | 7.5 e | 0.0 c |
| 7 | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 99.0 a | 10.0 d | 0.0 na | 99.0 a | 7.5 e | 0.0 c |
| 8 | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 99.0 a | 11.3 d | 0.0 na | 99.0 a | 10.0 e | 0.0 c |
| 9 | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 99.0 a | 13.8 d | 0.0 na | 99.0 a | 11.3 e | 0.0 c |
| 10 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 0.8<br>2 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 27.5 bc | 0.0 na | 99.0 a | 31.3 a-d | 10.0 a |
| 11 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 0.91<br>2.29 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 31.3 ab | 0.0 na | 99.0 a | 30.0 bcd | 10.0 a |
| 12 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 1.03<br>2.57 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 31.3 ab | 0.0 na | 99.0 a | 35.0 abc | 10.0 a |
| 13 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 1.14<br>2.86 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 32.5 a | 0.0 na | 99.0 a | 36.3 ab | 10.0 a |
| 14 | Brake 1.2 L | 1.2 L | | 12 | fl oz/a | PREEM | 99.0 a | 3.8 e | 0.0 na | 66.3 e | 0.0 f | 0.0 c |
| LSD P=.10 | | | | | | | 6.69 | 4.40 | . | 3.48 | 6.66 | 2.04 |
| Standard Deviation | | | | | | | 5.62 | 3.69 | 0.00 | 2.92 | 5.59 | 1.71 |
| CV | | | | | | | 6.49 | 17.83 | 0.0 | 3.48 | 26.52 | 32.43 |
| Grand Mean | | | | | | | 86.59 | 20.71 | 0.00 | 83.89 | 21.07 | 5.27 |
| Replicate F | | | | | | | 1.335 | 3.490 | NaN | 1.188 | 6.214 | 0.561 |
| Replicate Prob(F) | | | | | | | 0.2768 | 0.0245 | NaN | 0.3268 | 0.0015 | 0.6441 |
| Treatment F | | | | | | | 88.258 | 38.597 | NaN | 335.917 | 25.460 | 33.000 |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | NaN | 0.0001 | 0.0001 | 0.0001 |

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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Missing data estimates are included in columns:Average=22,23,24
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Mean separation letters are 'na' (not applicable) when error variance is 0
^Calculated from residual.

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Jun-16-25 CONTROL % 0, 100, - CASOB 19 | Jun-30-25 STUNTING % 0, 100, - peanut 20 | Jun-30-25 CHLOROSIS % 0, 100, - peanut 21 | Sep-22-25 DIRTY LBS/PLOT peanut 22 | Sep-22-25 CLEAN LBS/PLOT peanut 23 | Sep-22-25 YIELD LBS/A peanut 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Untreated Check | | | | | | 0.0 e | 0.0 e | 0.0 c | 23.77 ab | 23.3 ab | 6666 ab |
| 2 | Python 80 WG | 80 WG | | 0.8 | oz wt/a | PREEM | 66.3 c | 25.0 d | 7.5 ab | 21.03 cde | 20.6 cde | 5897 cde |
| 3 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 75.0 b | 25.0 d | 5.0 b | 21.43 bcd | 21.0 bcd | 6009 bcd |
| 4 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 75.0 b | 33.8 a | 10.0 a | 18.20 f | 17.8 f | 5105 f |
| 5 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 73.8 b | 31.3 ab | 10.0 a | 18.35 ef | 18.0 ef | 5147 ef |
| 6 | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | 96.8 a | 1.3 e | 0.0 c | 24.05 ab | 23.6 ab | 6746 ab |
| 7 | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 99.0 a | 1.3 e | 0.0 c | 24.50 a | 24.0 a | 6872 a |
| 8 | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 98.0 a | 1.3 e | 0.0 c | 22.20 a-d | 21.8 a-d | 6227 a-d |
| 9 | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 98.0 a | 2.5 e | 0.0 c | 23.50 abc | 23.0 abc | 6591 abc |
| 10 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 0.8<br>2 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 26.3 cd | 7.5 ab | 20.65 def | 20.2 def | 5792 def |
| 11 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 0.91<br>2.29 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 26.3 cd | 7.5 ab | 21.75 bcd | 21.3 bcd | 6100 bcd |
| 12 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 1.03<br>2.57 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 30.0 abc | 10.0 a | 20.18 def | 19.8 def | 5659 def |
| 13 | Python 80 WG<br>Valor EZ 4 SC | 80 WG<br>4 SC | | 1.14<br>2.86 | oz wt/a<br>fl oz/a | PREEM<br>PREEM | 99.0 a | 28.8 bcd | 7.5 ab | 20.40 def | 20.0 def | 5722 def |
| 14 | Brake 1.2 L | 1.2 L | | 12 | fl oz/a | PREEM | 35.0 d | 0.0 e | 0.0 c | 21.90 a-d | 21.5 a-d | 6143 a-d |
| LSD P=.10 | | | | | | | 6.96 | 4.84 | 3.78 | 2.700 | 2.65 | 757.2 |
| Standard Deviation | | | | | | | 5.85 | 4.07 | 3.17 | 2.261 | 2.22 | 634.3 |
| CV | | | | | | | 7.35 | 24.48 | 68.36 | 10.49 | 10.49 | 10.49 |
| Grand Mean | | | | | | | 79.48 | 16.61 | 4.64 | 21.564 | 21.13 | 6048.2 |
| Replicate F | | | | | | | 3.311 | 8.679 | 0.236 | 5.094 | 5.094 | 5.094 |
| Replicate Prob(F) | | | | | | | 0.0298 | 0.0002 | 0.8705 | 0.0048 | 0.0048 | 0.0048 |
| Treatment F | | | | | | | 102.940 | 48.773 | 7.582 | 3.010 | 3.010 | 3.010 |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0045 | 0.0045 | 0.0045 |

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=22,23,24
Could not calculate LSD (% mean diff) or mean separation letters for columns 3,10,15 because error variance is 0.
Mean separation letters are 'na' (not applicable) when error variance is 0
^Calculated from residual.

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:

Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:

Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025

Project ID: 041 Project ID 2: Project ID 3:

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No

Investigator: Trial Origin: P public institution trial Restricted:

Rating Type
YIELD = yield

Rating Unit
%, 0, 100, = percent

Pest Code
CASOB, Senna obtusifolia, Chinese senna = US
AMAPA, Amaranthus palmeri, Palmer amaranth = US
RAPRA, Raphanus raphanistrum, Wild radish = US

ARM Action Codes
T1 = [C22]*0.98
TY2 = 286.20533333*[C23]

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
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Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rating Date | | | | | | | May-12-25 | May-12-25 | May-12-25 | May-12-25 | May-20-25 |
| | Rating Type | | | | | | | STUNTING | CONTROL | CONTROL | CONTROL | STUNTING |
| | Rating Unit | | | | | | | % | % | % | % | % |
| | Rating Min/Max/Interval | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| | Crop Name | | | | | | | peanut | | | | peanut |
| | Pest Code | | | | | | | | CASOB | AMAPA | RAPRA | |
| 1 | Untreated Check | | | | | | 101 | 0 | 0 | 0 | 0 | 0.0 |
| | | | | | | | 202 | 0 | 0 | 0 | 0 | 0.0 |
| | | | | | | | 314 | 0 | 0 | 0 | 0 | 0.0 |
| | | | | | | | 409 | 0 | 0 | 0 | 0 | 0.0 |
| | | | | | | | Mean = | 0 | 0 | 0 | 0 | 0.0 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 102 | 20 | 75 | 99 | 90 | 20.0 |
| | | | | | | | 207 | 25 | 60 | 99 | 75 | 25.0 |
| | | | | | | | 311 | 20 | 50 | 99 | 65 | 15.0 |
| | | | | | | | 412 | 30 | 50 | 99 | 65 | 20.0 |
| | | | | | | | Mean = | 24 | 59 | 99 | 74 | 20.0 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 103 | 30 | 65 | 99 | 95 | 25.0 |
| | | | | | | | 205 | 25 | 60 | 99 | 99 | 20.0 |
| | | | | | | | 301 | 25 | 65 | 99 | 75 | 15.0 |
| | | | | | | | 414 | 30 | 40 | 99 | 85 | 15.0 |
| | | | | | | | Mean = | 28 | 58 | 99 | 89 | 18.8 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 104 | 30 | 65 | 99 | 85 | 25.0 |
| | | | | | | | 208 | 35 | 60 | 99 | 65 | 30.0 |
| | | | | | | | 304 | 30 | 60 | 99 | 50 | 30.0 |
| | | | | | | | 406 | 35 | 60 | 99 | 75 | 25.0 |
| | | | | | | | Mean = | 33 | 61 | 99 | 69 | 27.5 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 105 | 20 | 60 | 99 | 65 | 25.0 |
| | | | | | | | 206 | 40 | 65 | 99 | 65 | 25.0 |
| | | | | | | | 303 | 30 | 65 | 99 | 65 | 20.0 |
| | | | | | | | 410 | 40 | 50 | 99 | 60 | 25.0 |
| | | | | | | | Mean = | 33 | 60 | 99 | 64 | 23.8 |
| 6 | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 106 | 20 | 99 | 99 | 99 | 10.0 |
| | | | | | | | 203 | 15 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 313 | 20 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 403 | 20 | 99 | 99 | 99 | 10.0 |
| | | | | | | | Mean = | 19 | 99 | 99 | 99 | 15.0 |
| 7 | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 107 | 20 | 99 | 99 | 99 | 15.0 |
| | | | | | | | 212 | 15 | 99 | 99 | 99 | 10.0 |
| | | | | | | | 309 | 10 | 99 | 99 | 99 | 10.0 |
| | | | | | | | 401 | 15 | 99 | 99 | 99 | 10.0 |
| | | | | | | | Mean = | 15 | 99 | 99 | 99 | 11.3 |
| 8 | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 108 | 20 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 204 | 20 | 99 | 99 | 99 | 25.0 |
| | | | | | | | 305 | 10 | 99 | 99 | 99 | 10.0 |
| | | | | | | | 404 | 25 | 99 | 99 | 99 | 10.0 |
| | | | | | | | Mean = | 19 | 99 | 99 | 99 | 16.3 |
| 9 | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 109 | 20 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 210 | 25 | 99 | 99 | 99 | 10.0 |
| | | | | | | | 312 | 35 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 405 | 20 | 99 | 99 | 99 | 15.0 |
| | | | | | | | Mean = | 25 | 99 | 99 | 99 | 16.3 |
| 10 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 110 | 25 | 99 | 99 | 99 | 30.0 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 211 | 25 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 306 | 35 | 99 | 99 | 99 | 25.0 |
| | | | | | | | 408 | 40 | 99 | 99 | 99 | 30.0 |
| | | | | | | | Mean = | 31 | 99 | 99 | 99 | 26.3 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rating Date | | | | | | | May-12-25 | May-12-25 | May-12-25 | May-12-25 | May-20-25 |
| | Rating Type | | | | | | | STUNTING | CONTROL | CONTROL | CONTROL | STUNTING |
| | Rating Unit | | | | | | | % | % | % | % | % |
| | Rating Min/Max/Interval | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| | Crop Name | | | | | | | peanut | | | | peanut |
| | Pest Code | | | | | | | | CASOB | AMAPA | RAPRA | |
| 11 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 111 | 30 | 99 | 99 | 99 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 201 | 30 | 99 | 99 | 99 | 25.0 |
| | | | | | | | 310 | 40 | 99 | 99 | 99 | 20.0 |
| | | | | | | | 402 | 35 | 99 | 99 | 99 | 30.0 |
| | | | | | | | Mean = | 34 | 99 | 99 | 99 | 26.3 |
| 12 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 112 | 30 | 99 | 99 | 99 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 209 | 40 | 99 | 99 | 99 | 30.0 |
| | | | | | | | 307 | 30 | 99 | 99 | 99 | 30.0 |
| | | | | | | | 413 | 35 | 99 | 99 | 99 | 30.0 |
| | | | | | | | Mean = | 34 | 99 | 99 | 99 | 30.0 |
| 13 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 113 | 40 | 99 | 99 | 99 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 214 | 35 | 99 | 99 | 99 | 30.0 |
| | | | | | | | 308 | 40 | 99 | 99 | 99 | 30.0 |
| | | | | | | | 411 | 30 | 99 | 99 | 99 | 35.0 |
| | | | | | | | Mean = | 36 | 99 | 99 | 99 | 31.3 |
| 14 | Brake 1.2 L | 1.2 L | | 12 | fl oz/a | PREEM | 114 | 0 | 75 | 99 | 95 | 0.0 |
| | | | | | | | 213 | 5 | 85 | 99 | 65 | 0.0 |
| | | | | | | | 302 | 10 | 85 | 99 | 65 | 0.0 |
| | | | | | | | 407 | 10 | 65 | 99 | 65 | 0.0 |
| | | | | | | | Mean = | 6 | 78 | 99 | 73 | 0.0 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | May-20-25 CONTROL % 0, 100, - CASOB 6 | May-20-25 CONTROL % 0, 100, - AMAPA 7 | May-20-25 CONTROL % 0, 100, - RAPRA 8 | May-28-25 STUNTING % 0, 100, - peanut 9 | May-28-25 BLEACHING % 0, 100, - peanut 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Untreated Check | | | | | | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 202 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 314 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 102 | 75.0 | 95.0 | 65.0 | 15.0 | 0.0 |
| | | | | | | | 207 | 65.0 | 95.0 | 65.0 | 10.0 | 0.0 |
| | | | | | | | 311 | 75.0 | 95.0 | 65.0 | 20.0 | 0.0 |
| | | | | | | | 412 | 65.0 | 90.0 | 65.0 | 20.0 | 0.0 |
| | | | | | | | Mean = | 70.0 | 93.8 | 65.0 | 16.3 | 0.0 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 103 | 75.0 | 95.0 | 65.0 | 30.0 | 0.0 |
| | | | | | | | 205 | 75.0 | 95.0 | 65.0 | 20.0 | 0.0 |
| | | | | | | | 301 | 80.0 | 95.0 | 85.0 | 10.0 | 0.0 |
| | | | | | | | 414 | 75.0 | 95.0 | 85.0 | 20.0 | 0.0 |
| | | | | | | | Mean = | 76.3 | 95.0 | 75.0 | 20.0 | 0.0 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 104 | 85.0 | 95.0 | 75.0 | 30.0 | 0.0 |
| | | | | | | | 208 | 75.0 | 90.0 | 85.0 | 15.0 | 0.0 |
| | | | | | | | 304 | 75.0 | 90.0 | 85.0 | 30.0 | 0.0 |
| | | | | | | | 406 | 75.0 | 90.0 | 85.0 | 30.0 | 0.0 |
| | | | | | | | Mean = | 77.5 | 91.3 | 82.5 | 26.3 | 0.0 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 105 | 95.0 | 95.0 | 65.0 | 25.0 | 0.0 |
| | | | | | | | 206 | 75.0 | 90.0 | 65.0 | 25.0 | 0.0 |
| | | | | | | | 303 | 75.0 | 90.0 | 85.0 | 25.0 | 0.0 |
| | | | | | | | 410 | 85.0 | 90.0 | 65.0 | 25.0 | 0.0 |
| | | | | | | | Mean = | 82.5 | 91.3 | 70.0 | 25.0 | 0.0 |
| 6 | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 106 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 203 | 95.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 313 | 95.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 403 | 95.0 | 99.0 | 99.0 | 0.0 | 0.0 |
| | | | | | | | Mean = | 96.0 | 99.0 | 99.0 | 7.5 | 0.0 |
| 7 | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 107 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 212 | 99.0 | 99.0 | 95.0 | 10.0 | 0.0 |
| | | | | | | | 309 | 99.0 | 99.0 | 99.0 | 0.0 | 0.0 |
| | | | | | | | 401 | 99.0 | 99.0 | 95.0 | 10.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 99.0 | 97.0 | 7.5 | 0.0 |
| 8 | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 108 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 204 | 99.0 | 99.0 | 95.0 | 10.0 | 0.0 |
| | | | | | | | 305 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 404 | 95.0 | 99.0 | 95.0 | 0.0 | 0.0 |
| | | | | | | | Mean = | 98.0 | 99.0 | 97.0 | 7.5 | 0.0 |
| 9 | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 109 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 210 | 95.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 312 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 405 | 99.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | Mean = | 98.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| 10 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 110 | 99.0 | 99.0 | 99.0 | 15.0 | 0.0 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 211 | 99.0 | 99.0 | 99.0 | 20.0 | 0.0 |
| | | | | | | | 306 | 99.0 | 99.0 | 99.0 | 20.0 | 0.0 |
| | | | | | | | 408 | 95.0 | 99.0 | 99.0 | 25.0 | 0.0 |
| | | | | | | | Mean = | 98.0 | 99.0 | 99.0 | 20.0 | 0.0 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | May-20-25 CONTROL % 0, 100, - CASOB 6 | May-20-25 CONTROL % 0, 100, - AMAPA 7 | May-20-25 CONTROL % 0, 100, - RAPRA 8 | May-28-25 STUNTING % 0, 100, - peanut 9 | May-28-25 BLEACHING % 0, 100, - peanut 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Python 80 WG | 80 WG | 0.91 | oz wt/a | PREEM | 111 | | 99.0 | 99.0 | 99.0 | 20.0 | 0.0 |
| | Valor EZ 4 SC | 4 SC | 2.29 | fl oz/a | PREEM | 201 | | 99.0 | 99.0 | 99.0 | 20.0 | 0.0 |
| | | | | | | | 310 | 99.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 402 | 99.0 | 99.0 | 99.0 | 25.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 99.0 | 99.0 | 23.8 | 0.0 |
| 12 | Python 80 WG | 80 WG | 1.03 | oz wt/a | PREEM | 112 | | 99.0 | 99.0 | 99.0 | 15.0 | 0.0 |
| | Valor EZ 4 SC | 4 SC | 2.57 | fl oz/a | PREEM | 209 | | 99.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 307 | 99.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 413 | 99.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 99.0 | 99.0 | 26.3 | 0.0 |
| 13 | Python 80 WG | 80 WG | 1.14 | oz wt/a | PREEM | 113 | | 99.0 | 99.0 | 99.0 | 20.0 | 0.0 |
| | Valor EZ 4 SC | 4 SC | 2.86 | fl oz/a | PREEM | 214 | | 99.0 | 99.0 | 99.0 | 25.0 | 0.0 |
| | | | | | | | 308 | 99.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 411 | 99.0 | 99.0 | 99.0 | 40.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 99.0 | 99.0 | 28.8 | 0.0 |
| 14 | Brake 1.2 L | 1.2 L | 12 | fl oz/a | PREEM | 114 | | 50.0 | 99.0 | 95.0 | 0.0 | 0.0 |
| | | | | | | | 213 | 65.0 | 99.0 | 85.0 | 0.0 | 0.0 |
| | | | | | | | 302 | 65.0 | 99.0 | 65.0 | 0.0 | 0.0 |
| | | | | | | | 407 | 50.0 | 99.0 | 85.0 | 0.0 | 0.0 |
| | | | | | | | Mean = | 57.5 | 99.0 | 82.5 | 0.0 | 0.0 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**
Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | | May-28-25 | May-28-25 | May-28-25 | Jun-4-25 | Jun-4-25 |
| Rating Type | | | | | | | | CHLOROSIS | CONTROL | CONTROL | STUNTING | BLEACHING |
| Rating Unit | | | | | | | | % | % | % | % | % |
| Rating Min/Max/Interval | | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| Crop Name | | | | | | | | peanut | | | peanut | peanut |
| Pest Code | | | | | | | | | CASOB | AMAPA | | |
| 1 | Untreated Check | | | | | | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 202 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 314 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 102 | 25.0 | 95.0 | 65.0 | 20.0 | 0.0 |
| | | | | | | | 207 | 20.0 | 85.0 | 85.0 | 25.0 | 0.0 |
| | | | | | | | 311 | 25.0 | 85.0 | 90.0 | 25.0 | 0.0 |
| | | | | | | | 412 | 30.0 | 85.0 | 85.0 | 30.0 | 0.0 |
| | | | | | | | Mean = | 25.0 | 87.5 | 81.3 | 25.0 | 0.0 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 103 | 30.0 | 95.0 | 65.0 | 30.0 | 0.0 |
| | | | | | | | 205 | 30.0 | 95.0 | 75.0 | 35.0 | 0.0 |
| | | | | | | | 301 | 30.0 | 85.0 | 90.0 | 20.0 | 0.0 |
| | | | | | | | 414 | 0.0 | 65.0 | 95.0 | 25.0 | 0.0 |
| | | | | | | | Mean = | 22.5 | 85.0 | 81.3 | 27.5 | 0.0 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 104 | 30.0 | 99.0 | 75.0 | 30.0 | 0.0 |
| | | | | | | | 208 | 10.0 | 90.0 | 75.0 | 25.0 | 0.0 |
| | | | | | | | 304 | 30.0 | 95.0 | 80.0 | 35.0 | 0.0 |
| | | | | | | | 406 | 30.0 | 85.0 | 90.0 | 35.0 | 0.0 |
| | | | | | | | Mean = | 25.0 | 92.3 | 80.0 | 31.3 | 0.0 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 105 | 20.0 | 95.0 | 85.0 | 25.0 | 0.0 |
| | | | | | | | 206 | 30.0 | 95.0 | 80.0 | 35.0 | 0.0 |
| | | | | | | | 303 | 30.0 | 75.0 | 85.0 | 35.0 | 0.0 |
| | | | | | | | 410 | 30.0 | 85.0 | 65.0 | 30.0 | 0.0 |
| | | | | | | | Mean = | 27.5 | 87.5 | 78.8 | 31.3 | 0.0 |
| 6 | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 106 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 203 | 0.0 | 90.0 | 99.0 | 20.0 | 0.0 |
| | | | | | | | 313 | 0.0 | 95.0 | 99.0 | 15.0 | 0.0 |
| | | | | | | | 403 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 95.8 | 99.0 | 13.8 | 0.0 |
| 7 | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 107 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 212 | 0.0 | 99.0 | 99.0 | 15.0 | 0.0 |
| | | | | | | | 309 | 0.0 | 99.0 | 99.0 | 5.0 | 0.0 |
| | | | | | | | 401 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| 8 | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 108 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 204 | 0.0 | 99.0 | 99.0 | 20.0 | 0.0 |
| | | | | | | | 305 | 0.0 | 95.0 | 99.0 | 5.0 | 0.0 |
| | | | | | | | 404 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 98.0 | 99.0 | 11.3 | 0.0 |
| 9 | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 109 | 0.0 | 99.0 | 99.0 | 10.0 | 0.0 |
| | | | | | | | 210 | 0.0 | 99.0 | 99.0 | 15.0 | 0.0 |
| | | | | | | | 312 | 0.0 | 99.0 | 99.0 | 15.0 | 0.0 |
| | | | | | | | 405 | 0.0 | 99.0 | 99.0 | 15.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 99.0 | 99.0 | 13.8 | 0.0 |
| 10 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 110 | 30.0 | 99.0 | 99.0 | 25.0 | 0.0 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 211 | 25.0 | 99.0 | 99.0 | 25.0 | 0.0 |
| | | | | | | | 306 | 25.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 408 | 25.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | Mean = | 26.3 | 99.0 | 99.0 | 27.5 | 0.0 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rating Date | | | | | | | May-28-25 | May-28-25 | May-28-25 | Jun-4-25 | Jun-4-25 |
| | Rating Type | | | | | | | CHLOROSIS | CONTROL | CONTROL | STUNTING | BLEACHING |
| | Rating Unit | | | | | | | % | % | % | % | % |
| | Rating Min/Max/Interval | | | | | | | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - | 0, 100, - |
| | Crop Name | | | | | | | peanut | | | peanut | peanut |
| | Pest Code | | | | | | | | CASOB | AMAPA | | |
| 11 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 111 | 30.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 201 | 25.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 310 | 30.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 402 | 30.0 | 99.0 | 99.0 | 35.0 | 0.0 |
| | | | | | | | Mean = | 28.8 | 99.0 | 99.0 | 31.3 | 0.0 |
| 12 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 112 | 10.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 209 | 30.0 | 99.0 | 99.0 | 35.0 | 0.0 |
| | | | | | | | 307 | 30.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 413 | 15.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | Mean = | 21.3 | 99.0 | 99.0 | 31.3 | 0.0 |
| 13 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 113 | 10.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 214 | 25.0 | 99.0 | 99.0 | 35.0 | 0.0 |
| | | | | | | | 308 | 30.0 | 99.0 | 99.0 | 30.0 | 0.0 |
| | | | | | | | 411 | 30.0 | 99.0 | 99.0 | 35.0 | 0.0 |
| | | | | | | | Mean = | 23.8 | 99.0 | 99.0 | 32.5 | 0.0 |
| 14 | Brake 1.2 L | 1.2 | L | 12 | fl oz/a | PREEM | 114 | 0.0 | 50.0 | 99.0 | 0.0 | 0.0 |
| | | | | | | | 213 | 0.0 | 50.0 | 99.0 | 5.0 | 0.0 |
| | | | | | | | 302 | 0.0 | 50.0 | 99.0 | 5.0 | 0.0 |
| | | | | | | | 407 | 0.0 | 60.0 | 99.0 | 5.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 52.5 | 99.0 | 3.8 | 0.0 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | Jun-4-25 CONTROL % 0, 100, - CASOB 16 | Jun-16-25 STUNTING % 0, 100, - peanut 17 | Jun-16-25 CHLOROSIS % 0, 100, - peanut 18 | Jun-16-25 CONTROL % 0, 100, - CASOB 19 | Jun-30-25 STUNTING % 0, 100, - peanut 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Untreated Check | | | | | | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 202 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 314 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | Mean = | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 102 | 80.0 | 30.0 | 10.0 | 85.0 | 25.0 |
| | | | | | | | 207 | 65.0 | 35.0 | 10.0 | 65.0 | 25.0 |
| | | | | | | | 311 | 80.0 | 25.0 | 10.0 | 65.0 | 25.0 |
| | | | | | | | 412 | 75.0 | 20.0 | 10.0 | 50.0 | 25.0 |
| | | | | | | | Mean = | 75.0 | 27.5 | 10.0 | 66.3 | 25.0 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 103 | 80.0 | 45.0 | 10.0 | 80.0 | 40.0 |
| | | | | | | | 205 | 80.0 | 40.0 | 10.0 | 65.0 | 25.0 |
| | | | | | | | 301 | 80.0 | 20.0 | 0.0 | 90.0 | 25.0 |
| | | | | | | | 414 | 75.0 | 10.0 | 0.0 | 65.0 | 10.0 |
| | | | | | | | Mean = | 78.8 | 28.8 | 5.0 | 75.0 | 25.0 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 104 | 80.0 | 40.0 | 10.0 | 85.0 | 40.0 |
| | | | | | | | 208 | 80.0 | 35.0 | 10.0 | 75.0 | 30.0 |
| | | | | | | | 304 | 80.0 | 35.0 | 10.0 | 75.0 | 35.0 |
| | | | | | | | 406 | 80.0 | 40.0 | 10.0 | 65.0 | 30.0 |
| | | | | | | | Mean = | 80.0 | 37.5 | 10.0 | 75.0 | 33.8 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 105 | 90.0 | 30.0 | 5.0 | 75.0 | 35.0 |
| | | | | | | | 206 | 80.0 | 40.0 | 10.0 | 70.0 | 30.0 |
| | | | | | | | 303 | 80.0 | 30.0 | 10.0 | 85.0 | 35.0 |
| | | | | | | | 410 | 80.0 | 30.0 | 10.0 | 65.0 | 25.0 |
| | | | | | | | Mean = | 82.5 | 32.5 | 8.8 | 73.8 | 31.3 |
| 6 | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 106 | 99.0 | 10.0 | 0.0 | 99.0 | 5.0 |
| | | | | | | | 203 | 99.0 | 10.0 | 0.0 | 90.0 | 0.0 |
| | | | | | | | 313 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | 403 | 99.0 | 0.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 7.5 | 0.0 | 96.8 | 1.3 |
| 7 | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 107 | 99.0 | 10.0 | 0.0 | 99.0 | 5.0 |
| | | | | | | | 212 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | 309 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | 401 | 99.0 | 0.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 7.5 | 0.0 | 99.0 | 1.3 |
| 8 | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 108 | 99.0 | 10.0 | 0.0 | 99.0 | 5.0 |
| | | | | | | | 204 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | 305 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | 404 | 99.0 | 10.0 | 0.0 | 95.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 10.0 | 0.0 | 98.0 | 1.3 |
| 9 | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 109 | 99.0 | 15.0 | 0.0 | 99.0 | 10.0 |
| | | | | | | | 210 | 99.0 | 10.0 | 0.0 | 95.0 | 0.0 |
| | | | | | | | 312 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | 405 | 99.0 | 10.0 | 0.0 | 99.0 | 0.0 |
| | | | | | | | Mean = | 99.0 | 11.3 | 0.0 | 98.0 | 2.5 |
| 10 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 110 | 99.0 | 30.0 | 10.0 | 99.0 | 30.0 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 211 | 99.0 | 35.0 | 10.0 | 99.0 | 15.0 |
| | | | | | | | 306 | 99.0 | 30.0 | 10.0 | 99.0 | 30.0 |
| | | | | | | | 408 | 99.0 | 30.0 | 10.0 | 99.0 | 30.0 |
| | | | | | | | Mean = | 99.0 | 31.3 | 10.0 | 99.0 | 26.3 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | Jun-4-25 CONTROL % 0, 100, - CASOB 16 | Jun-16-25 STUNTING % 0, 100, - peanut 17 | Jun-16-25 CHLOROSIS % 0, 100, - peanut 18 | Jun-16-25 CONTROL % 0, 100, - CASOB 19 | Jun-30-25 STUNTING % 0, 100, - peanut 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Python 80 WG | 80 WG | 0.91 | oz wt/a | PREEM | 111 | | 99.0 | 40.0 | 10.0 | 99.0 | 30.0 |
| | Valor EZ 4 SC | 4 SC | 2.29 | fl oz/a | PREEM | 201 | | 99.0 | 30.0 | 10.0 | 99.0 | 25.0 |
| | | | | | | 310 | | 99.0 | 25.0 | 10.0 | 99.0 | 25.0 |
| | | | | | | 402 | | 99.0 | 25.0 | 10.0 | 99.0 | 25.0 |
| | | | | | | Mean = | | 99.0 | 30.0 | 10.0 | 99.0 | 26.3 |
| 12 | Python 80 WG | 80 WG | 1.03 | oz wt/a | PREEM | 112 | | 99.0 | 40.0 | 10.0 | 99.0 | 35.0 |
| | Valor EZ 4 SC | 4 SC | 2.57 | fl oz/a | PREEM | 209 | | 99.0 | 40.0 | 10.0 | 99.0 | 30.0 |
| | | | | | | 307 | | 99.0 | 35.0 | 10.0 | 99.0 | 30.0 |
| | | | | | | 413 | | 99.0 | 25.0 | 10.0 | 99.0 | 25.0 |
| | | | | | | Mean = | | 99.0 | 35.0 | 10.0 | 99.0 | 30.0 |
| 13 | Python 80 WG | 80 WG | 1.14 | oz wt/a | PREEM | 113 | | 99.0 | 50.0 | 10.0 | 99.0 | 35.0 |
| | Valor EZ 4 SC | 4 SC | 2.86 | fl oz/a | PREEM | 214 | | 99.0 | 30.0 | 10.0 | 99.0 | 20.0 |
| | | | | | | 308 | | 99.0 | 30.0 | 10.0 | 99.0 | 30.0 |
| | | | | | | 411 | | 99.0 | 35.0 | 10.0 | 99.0 | 30.0 |
| | | | | | | Mean = | | 99.0 | 36.3 | 10.0 | 99.0 | 28.8 |
| 14 | Brake 1.2 L | 1.2 L | 12 | fl oz/a | PREEM | 114 | | 60.0 | 0.0 | 0.0 | 30.0 | 0.0 |
| | | | | | | 213 | | 65.0 | 0.0 | 0.0 | 30.0 | 0.0 |
| | | | | | | 302 | | 75.0 | 0.0 | 0.0 | 40.0 | 0.0 |
| | | | | | | 407 | | 65.0 | 0.0 | 0.0 | 40.0 | 0.0 |
| | | | | | | Mean = | | 66.3 | 0.0 | 0.0 | 35.0 | 0.0 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | Jun-30-25 CHLOROSIS % 0, 100, - peanut 21 | Sep-22-25 DIRTY LBS/PLOT peanut 22 | Sep-22-25 CLEAN LBS/PLOT peanut 23 | Sep-22-25 YIELD LBS/A peanut 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Untreated Check | | | | | | 101 | 0.0 | 20.70 | 20.3 | 5806 |
| | | | | | | | 202 | 0.0 | 26.10 | 25.6 | 7321 |
| | | | | | | | 314 | 0.0 | . | . | . |
| | | | | | | | 409 | 0.0 | 24.50 | 24.0 | 6872 |
| | | | | | | | Mean = | 0.0 | 23.77 | 23.3 | 6666 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 102 | 0.0 | 21.00 | 20.6 | 5890 |
| | | | | | | | 207 | 10.0 | 23.00 | 22.5 | 6451 |
| | | | | | | | 311 | 10.0 | 19.10 | 18.7 | 5357 |
| | | | | | | | 412 | 10.0 | 21.00 | 20.6 | 5890 |
| | | | | | | | Mean = | 7.5 | 21.03 | 20.6 | 5897 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 103 | 10.0 | 17.80 | 17.4 | 4993 |
| | | | | | | | 205 | 10.0 | 20.30 | 19.9 | 5694 |
| | | | | | | | 301 | 0.0 | 20.20 | 19.8 | 5666 |
| | | | | | | | 414 | 0.0 | 27.40 | 26.9 | 7685 |
| | | | | | | | Mean = | 5.0 | 21.43 | 21.0 | 6009 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 104 | 10.0 | 17.70 | 17.3 | 4965 |
| | | | | | | | 208 | 10.0 | 21.70 | 21.3 | 6086 |
| | | | | | | | 304 | 10.0 | 15.40 | 15.1 | 4319 |
| | | | | | | | 406 | 10.0 | 18.00 | 17.6 | 5049 |
| | | | | | | | Mean = | 10.0 | 18.20 | 17.8 | 5105 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 105 | 10.0 | 18.80 | 18.4 | 5273 |
| | | | | | | | 206 | 10.0 | 19.80 | 19.4 | 5554 |
| | | | | | | | 303 | 10.0 | 13.70 | 13.4 | 3843 |
| | | | | | | | 410 | 10.0 | 21.10 | 20.7 | 5918 |
| | | | | | | | Mean = | 10.0 | 18.35 | 18.0 | 5147 |
| 6 | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 106 | 0.0 | 23.30 | 22.8 | 6535 |
| | | | | | | | 203 | 0.0 | 26.70 | 26.2 | 7489 |
| | | | | | | | 313 | 0.0 | 20.30 | 19.9 | 5694 |
| | | | | | | | 403 | 0.0 | 25.90 | 25.4 | 7264 |
| | | | | | | | Mean = | 0.0 | 24.05 | 23.6 | 6746 |
| 7 | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 107 | 0.0 | 23.10 | 22.6 | 6479 |
| | | | | | | | 212 | 0.0 | 25.20 | 24.7 | 7068 |
| | | | | | | | 309 | 0.0 | 21.90 | 21.5 | 6143 |
| | | | | | | | 401 | 0.0 | 27.80 | 27.2 | 7797 |
| | | | | | | | Mean = | 0.0 | 24.50 | 24.0 | 6872 |
| 8 | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 108 | 0.0 | 23.60 | 23.1 | 6619 |
| | | | | | | | 204 | 0.0 | 23.40 | 22.9 | 6563 |
| | | | | | | | 305 | 0.0 | 18.70 | 18.3 | 5245 |
| | | | | | | | 404 | 0.0 | 23.10 | 22.6 | 6479 |
| | | | | | | | Mean = | 0.0 | 22.20 | 21.8 | 6227 |
| 9 | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 109 | 0.0 | 21.60 | 21.2 | 6058 |
| | | | | | | | 210 | 0.0 | 22.40 | 22.0 | 6283 |
| | | | | | | | 312 | 0.0 | 27.70 | 27.1 | 7769 |
| | | | | | | | 405 | 0.0 | 22.30 | 21.9 | 6255 |
| | | | | | | | Mean = | 0.0 | 23.50 | 23.0 | 6591 |
| 10 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 110 | 10.0 | 19.20 | 18.8 | 5385 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 211 | 0.0 | 24.00 | 23.5 | 6732 |
| | | | | | | | 306 | 10.0 | 19.60 | 19.2 | 5497 |
| | | | | | | | 408 | 10.0 | 19.80 | 19.4 | 5554 |
| | | | | | | | Mean = | 7.5 | 20.65 | 20.2 | 5792 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:
Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025
Project ID: 041 Project ID 2: Project ID 3:
Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No
Investigator: Trial Origin: P public institution trial Restricted:

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Plot | Jun-30-25 CHLOROSIS % 0, 100, - peanut 21 | Sep-22-25 DIRTY LBS/PLOT peanut 22 | Sep-22-25 CLEAN LBS/PLOT peanut 23 | Sep-22-25 YIELD LBS/A peanut 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 111 | 10.0 | 19.20 | 18.8 | 5385 |
| | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 201 | 10.0 | 22.60 | 22.1 | 6339 |
| | | | | | | | 310 | 10.0 | 20.90 | 20.5 | 5862 |
| | | | | | | | 402 | 0.0 | 24.30 | 23.8 | 6816 |
| | | | | | | | Mean = | 7.5 | 21.75 | 21.3 | 6100 |
| 12 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 112 | 10.0 | 20.80 | 20.4 | 5834 |
| | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 209 | 10.0 | 19.40 | 19.0 | 5441 |
| | | | | | | | 307 | 10.0 | 17.80 | 17.4 | 4993 |
| | | | | | | | 413 | 10.0 | 22.70 | 22.2 | 6367 |
| | | | | | | | Mean = | 10.0 | 20.18 | 19.8 | 5659 |
| 13 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 113 | 10.0 | 19.60 | 19.2 | 5497 |
| | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 214 | 0.0 | . | . | . |
| | | | | | | | 308 | 10.0 | 20.80 | 20.4 | 5834 |
| | | | | | | | 411 | 10.0 | 20.80 | 20.4 | 5834 |
| | | | | | | | Mean = | 7.5 | 20.40 | 20.0 | 5722 |
| 14 | Brake 1.2 L | 1.2 L | | 12 | fl oz/a | PREEM | 114 | 0.0 | . | . | . |
| | | | | | | | 213 | 0.0 | 19.80 | 19.4 | 5554 |
| | | | | | | | 302 | 0.0 | 23.10 | 22.6 | 6479 |
| | | | | | | | 407 | 0.0 | 22.80 | 22.3 | 6395 |
| | | | | | | | Mean = | 0.0 | 21.90 | 21.5 | 6143 |

# University of Georgia

**Evaluation of flumetsulam product concepts for control of sicklepod, eclipta, Florida beggarweed, cocklebur, and other key species in peanut.**

Title No. 2:

Trial ID: PE-06-25 Official Trial ID: Cooperator Trial ID:

Protocol ID: 25HD041US Location: Tifton, GA Trial Year: 2025

Project ID: 041 Project ID 2: Project ID 3:

Study Director: Greg Armel, Ph.D. Sponsor Contact: Greg Armel, Ph.D. Conducted Under GEP: No

Investigator: Trial Origin: P public institution trial Restricted:

Rating Type

YIELD = yield

Rating Unit

%, 0, 100, = percent

Pest Code

CASOB, Senna obtusifolia, Chinese senna = US

AMAPA, Amaranthus palmeri, Palmer amaranth = US

RAPRA, Raphanus raphanistrum, Wild radish = US

ARM Action Codes

T1 = [C22]*0.98

TY2 = 286.20533333*[C23]