# University of Georgia

**Evaluation of peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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 | 205 | 301 | 406 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | A | PREEM | 0.5991 g/mx | 1497.8 mL | 102 | 201 | 302 | 404 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | A | PREEM | 1.562 mL/mx | | | | | |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | A | PREEM | 0.6815 g/mx | 1497.5 mL | 103 | 206 | 304 | 401 |
| | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | A | PREEM | 1.789 mL/mx | | | | | |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | A | PREEM | 0.7714 g/mx | 1497.2 mL | 104 | 203 | 306 | 402 |
| | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | A | PREEM | 2.008 mL/mx | | | | | |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | A | PREEM | 0.8538 g/mx | 1496.9 mL | 105 | 204 | 303 | 405 |
| | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | A | PREEM | 2.234 mL/mx | | | | | |
| 6 | Valor EZ 4 SC | 4 | SC | 3 | fl oz/a | A | PREEM | 2.344 mL/mx | 1497.7 mL | 106 | 202 | 305 | 403 |

Sort Order: Treatment

Trial Comments

OVERSEEDED SCARIFIED SICKLEPOD SEED.

SELECT MAX @ 16 OZ/A + NIS @ 0.25% V/V: MAY 20

ROUNDUP POWERMAX3 @ 32 OZ/A + PURSUIT @ 4 OZ/A + BORON @ 32 OZ/A + DIMILIN @ 2 OZ/A + ALTO @ 5.5 OZ/A: JUNE 11

**GPS LOWER LEFT CORNER (PLOT 101)**
**31 30 28 N**
**83 39 29 W**

HARVEST DATE: 10/14/25
HARVEST MOISTURE: 14.7%
YIELDS ADJUSTED TO 13%.

***SUMMARY:***

1) PRE APPLICATIONS OF PYTHON CAUSED SIGNIFiCANT SOYBEAN INJURY IN THE FORM OF STUNTING AND CHLOROSIS. GENERALLY, PYTHON WAS MORE INJURIOUS THAN VALOR.

2) PRE APPLICATIONS OF PYTHON PROVIDED EXCELLENT (>96%) CONTROL OF PALMER AMARANTH, SICKLEPOD, WILD RADISH, AND CARPETWEED.

3) ALL PRE HERBICIDE TREATED PLOS HAD HIGHER YIELDS THAN THE NTC. NTC PLOTS WERE NOT HARVESTABLE DUE TO EXTREME WEED PRESSURE. THERE WAS NO DIFFERNCE IN SOYBEAN YIELD BETWEEN TREATED PLOTS.

**General Trial Information**

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

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**Discipline:** H herbicide
**Status:** E established
**Status Date:** May-16-25
**ARM Trial Created On:** Mar-18-25
**Initiation Date:** _____
**Completion Date:** _____
**Protocol Revision Number:** _____
**Interim Report Due:** _____
**Last Export Date:** _____
**Meets All Objectives:** _
**Planned Completion Date:** _____
**Last Possible Tour Visit:** _____
**Protocol Revision Date:** Feb-12-25
**Final Report Due:** _____
**Data Location:** _____
**Usage/Type:** ___
**Last Changed By:** Eric P. Prostko
**Reliability:** _____
**Interim Data Due:** Oct-1-25

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

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

**Directions:**

**Keywords:**

**Regulations**

**Contacts**

**Crop Description**

**Crop 1:** C GLXMA Glycine max Soybean
**Entry Date:** Sep-30-25
**Variety:** AG66XF2
**Attributes:** _____
**Seed Lot No:** _____
**% Germination:** _____
**Seed Shape:** _____
**Perennial Age:** _____ _____
**Seed Mod./Coating Type:** _____
**Nursery Date:** _____
**Planting Date:** May-6-25
**Depth:** 1.5 IN
**Rows per Plot:** 2
**Row Spacing:** 36 IN
**Spacing within Row:** _____ _____
**Soil Temperature:** _____ _
**Ground Cover Planting:** _____
**Emergence Date:** _____
**Planting Stage:** _____
**Transplant Weight:** _____ _____
**Rootstock:** _____
**Harvest Date:** _____
**Moisture Meter:** _____
**% Standard Moisture:** 13.0
**Weighing Equipment:** _____
**Crop Group:** _____
**% Seed Moisture:** _____
**Approximate?:** _
**Stage Scale:** BBCH
**Maturity Group:** VI
**Natural Crop Population:** _
**Seed Source:** _____
**1000 Seed Weight:** _____ __
**Seed Size:** _____ __
**Perennial Height:** _____ __
**Seed Treatment Products:** _____
**Planting Rate:** _____
**Planting Density:** 126718
**Planting Method:** _____
**Planting Equipment:** _____
**Seed Bed:** _____
**Soil Moisture:** _____
**Plant Arrangement:** _____
**Plant Shape:** _____
**Transplant Height:** _____ __
**Scion:** _____
**Harvest Equipment:** _____
**Harvested Width:** 6 FT
**Harvested Length:** 25 FT

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## 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:** 6 **Plots:** 24 **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. | PEANUT | | | | 2024 | | |
| 2. | | | | | | | |

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Investigator: Trial Origin: P public institution trial Restricted:

## 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

## Soil Description

**Date:** _____
**Description Name:** _____
**% Sand:** 94 **% OM:** 0.6 **Texture:** SAND
**% Silt:** 2 **% Carbon:** _____ **Soil Name:** TIFTON
**% Clay:** 4 **% Lime:** _____ **Fert. Level:** _
**pH:** 6.0 **CEC:** 2.2
**Soil Drainage:** _ **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:** SPLAMO sprinkler - lateral move
**Weather Station Name:** UGA PONDER FARM - TY TY **Code:** _____ **Distance:** _____ __ **Official Weather Stat**

| 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. | | | | | | | | | | | | | | | | | |

| 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. | | | | | | | | | | | | | |

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

MAY 6: 0.5" IRRIGATION
MAY 9: 0.47" RAINFALL
MAY 11: 0.42" RAINFALL
MAY 19: 0.4" RAINFALL
MAY 21: 0.3" RAINFALL
MAY 26: 0.5" IRRIATION
MAY 29: 0.7" RAINFALL
JUNE 3: 0.5" IRRIGATION

**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-6-25 |
| **Start Time** | |
| **Stop Time** | 1:30 PM |
| **Interval to Prev. Appl.** | |
| **Standard** | |
| **Method** | BROADC |
| **Timing** | PREEM |
| **Placement** | BROFOL |
| **Mixed/Prepared By** | EPP |
| **Applied By** | EPP |
| **Entry Date** | Sep-30-25 |
| **Air Temperature Start, Stop** | 75, F |
| **% Relative Humidity Start, Stop** | 45, |
| **Wind Velocity+Dir. Start** | 3 MPH, |
| **Wind Velocity+Dir. Stop** | |
| **Wind Velocity+Dir. Max** | |
| **Wet Leaves (Y/N)** | |
| **Soil Temperature** | 76 F |
| **Soil Temperature Depth** | |
| **Soil Moisture** | OPTIMUM |
| **Flood-Appl Interval** | |
| **Soil Surface Condition** | |
| **% Ground Cover** | |
| **% Cloud Cover** | 50 |
| **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** | GLXMA, BSOY |
| **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** | |
| **Stage Majority, Percent** | |

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| | A |
|---|---|
| **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** | 35 PSI |
| **Nozzle Model** | |
| **Nozzle Type** | TTI 11002 |
| **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** | 60.0 IN |
| **% Coverage** | |
| **Row Sides Applied** | |
| **Concentration Factor** | |
| **Boom ID** | |
| **Boom Length** | |
| **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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## 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.**

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| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | May-16-25 | May-16-25 | May-16-25 | May-16-25 | May-24-25 | May-24-25 |
| Rating Type | | | | | | | STUNTING | CONTROL | CONTROL | CONTROL | STUNTING | CHLOROSIS |
| Rating Unit | | | | | | | % | % | % | | % | |
| Pest Code | | | | | | | | CASOB | AMAPA | RAPRA | | |
| Crop Type, Code | | | | | | | C, GLYMA | | | | C, GLYMA | C, GLYMA |
| 1 | Untreated Check | | | | | | 0.0 b | 0.0 b | 0.0 na | 0.0 na | 0.0 b | 0.0 b |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 11.3 a | 97.0 a | 99.0 na | 99.0 na | 22.5 a | 37.5 a |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | | | | | | |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 12.5 a | 97.0 a | 99.0 na | 99.0 na | 21.3 a | 36.3 a |
| | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | | | | | | |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 13.8 a | 99.0 a | 99.0 na | 99.0 na | 18.8 a | 40.0 a |
| | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | | | | | | |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 11.3 a | 98.0 a | 99.0 na | 99.0 na | 23.8 a | 37.5 a |
| | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | | | | | | |
| 6 | Valor EZ 4 SC | 4 | SC | 3 | fl oz/a | PREEM | 11.3 a | 98.0 a | 99.0 na | 99.0 na | 5.0 b | 0.0 b |
| LSD P=.10 | | | | | | | 3.81 | 2.09 | . | . | 5.72 | 4.51 |
| Standard Deviation | | | | | | | 3.07 | 1.69 | 0.00 | 0.00 | 4.62 | 3.64 |
| CV | | | | | | | 30.73 | 2.07 | 0.0 | 0.0 | 30.36 | 14.45 |
| Grand Mean | | | | | | | 10.00 | 81.50 | 82.50 | 82.50 | 15.21 | 25.21 |
| Bartlett's X2^ | | | | | | | 6.948 | 3.913 | . | . | 4.481 | 13.33* |
| P(Bartlett's X2) | | | | | | | 0.225 | 0.562 | . | . | 0.482 | 0.02* |
| Rank X2 | | | | | | | . | . | . | . | . | . |
| P(Rank X2) | | | | | | | . | . | . | . | . | . |
| Skewness^ | | | | | | | -0.3878 | -0.6007 | . | . | -0.5432 | -1.3108* |
| P(Skewness)^ | | | | | | | 0.447 | 0.243 | . | . | 0.2898 | 0.0155* |
| Kurtosis^ | | | | | | | 0.3568 | -0.1388 | . | . | -0.2364 | 1.4775 |
| P(Kurtosis)^ | | | | | | | 0.7175 | 0.8879 | . | . | 0.8104 | 0.143 |
| Replicate F | | | | | | | 0.294 | 1.563 | NaN | NaN | 11.124 | 0.497 |
| Replicate Prob(F) | | | | | | | 0.8290 | 0.2398 | NaN | NaN | 0.0004 | 0.6896 |
| Treatment F | | | | | | | 10.588 | 2242.547 | NaN | NaN | 19.163 | 115.429 |
| Treatment Prob(F) | | | | | | | 0.0002 | 0.0001 | NaN | 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.
Could not calculate LSD (% mean diff) or mean separation letters for columns 3,4,8,10,12 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 peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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-24-25 | May-24-25 | May-24-25 | May-24-25 | Jun-2-25 | Jun-2-25 |
| Rating Type | | | | | | | Casob | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | | | % | % | % | % | % |
| Pest Code | | | | | | | CASOB | AMAPA | RAPRA | MOLVE | CASOB | AMAPA |
| Crop Type, Code | | | | | | | | | | | | |
| 1 | Untreated Check | | | 0.0 | | | 0.0 b | 0.0 na | 0.0 c | 0.0 na | 0.0 c | 0.0 na |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 98.0 a | 99.0 na | 99.0 a | 99.0 na | 98.0 a | 99.0 na |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | | | | | | |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 99.0 a | 99.0 na | 99.0 a | 99.0 na | 99.0 a | 99.0 na |
| | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | | | | | | |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 99.0 a | 99.0 na | 99.0 a | 99.0 na | 98.0 a | 99.0 na |
| | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | | | | | | |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 99.0 a | 99.0 na | 99.0 a | 99.0 na | 99.0 a | 99.0 na |
| | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | | | | | | |
| 6 | Valor EZ 4 SC | 4 | SC | 3 | fl oz/a | PREEM | 98.0 a | 99.0 na | 97.0 b | 99.0 na | 91.0 b | 99.0 na |
| LSD P=.10 | | | | | | | 1.28 | . | 1.17 | . | 4.10 | . |
| Standard Deviation | | | | | | | 1.03 | 0.00 | 0.94 | 0.00 | 3.31 | 0.00 |
| CV | | | | | | | 1.26 | 0.0 | 1.15 | 0.0 | 4.09 | 0.0 |
| Grand Mean | | | | | | | 82.17 | 82.50 | 82.17 | 82.50 | 80.83 | 82.50 |
| Bartlett's X2^ | | | | | | | 3.682 | . | 17.097* | . | 18.81* | . |
| P(Bartlett's X2) | | | | | | | 0.596 | . | 0.004* | . | 0.002* | . |
| Rank X2 | | | | | | | . | . | . | . | . | . |
| P(Rank X2) | | | | | | | . | . | . | . | . | . |
| Skewness^ | | | | | | | -0.872 | . | 0.0 | . | 0.0133 | . |
| P(Skewness)^ | | | | | | | 0.0953 | . | 1.0 | . | 0.9791 | . |
| Kurtosis^ | | | | | | | 0.921 | . | 1.7922 | . | 1.6899 | . |
| P(Kurtosis)^ | | | | | | | 0.3543 | . | 0.0787 | . | 0.0962 | . |
| Replicate F | | | | | | | 2.500 | NaN | 1.000 | NaN | 0.366 | NaN |
| Replicate Prob(F) | | | | | | | 0.0991 | NaN | 0.4199 | NaN | 0.7787 | NaN |
| Treatment F | | | | | | | 6077.125 | NaN | 7294.350 | NaN | 577.085 | NaN |
| Treatment Prob(F) | | | | | | | 0.0001 | NaN | 0.0001 | NaN | 0.0001 | NaN |

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.
Could not calculate LSD (% mean diff) or mean separation letters for columns 3,4,8,10,12 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 peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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 |
|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | Jun-2-25 | Oct-14-25 | Oct-14-25 |
| Rating Type | | | | | | | CONTROL | YIELD | YIELD |
| Rating Unit | | | | | | | % | LBS/PLOT | BU/A |
| Pest Code | | | | | | | RAPRA | | |
| Crop Type, Code | | | | | | | | C, GLYMA | C, GLYMA |
| 1 | Untreated Check | | | | | | 0.0 c | 0.00 b | 0.0 b |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 99.0 a | 10.48 a | 49.7 a |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | | | |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 99.0 a | 10.80 a | 51.3 a |
| | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | | | |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 99.0 a | 11.98 a | 56.8 a |
| | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | | | |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 99.0 a | 11.08 a | 52.6 a |
| | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | | | |
| 6 | Valor EZ 4 SC | 4 | SC | 3 | fl oz/a | PREEM | 94.5 b | 10.60 a | 50.3 a |
| LSD P=.10 | | | | | | | 3.34 | 1.799 | 8.54 |
| Standard Deviation | | | | | | | 2.70 | 1.451 | 6.89 |
| CV | | | | | | | 3.3 | 15.85 | 15.85 |
| Grand Mean | | | | | | | 81.75 | 9.154 | 43.44 |
| Bartlett's X2^ | | | | | | | 17.097* | 6.467 | 6.467 |
| P(Bartlett's X2) | | | | | | | 0.004* | 0.263 | 0.263 |
| Rank X2 | | | | | | | . | . | . |
| P(Rank X2) | | | | | | | . | . | . |
| Skewness^ | | | | | | | -1.7201* | 0.2022 | 0.2022 |
| P(Skewness)^ | | | | | | | 0.0023* | 0.6905 | 0.6905 |
| Kurtosis^ | | | | | | | 7.4883* | -0.8286 | -0.8286 |
| P(Kurtosis)^ | | | | | | | 0.0* | 0.4038 | 0.4038 |
| Replicate F | | | | | | | 1.000 | 2.032 | 2.032 |
| Replicate Prob(F) | | | | | | | 0.4199 | 0.1527 | 0.1527 |
| Treatment F | | | | | | | 883.333 | 38.745 | 38.745 |
| 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.
Could not calculate LSD (% mean diff) or mean separation letters for columns 3,4,8,10,12 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 peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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
MOLVE, Mollugo verticillata, carpetweed = US
Crop Type, Code
C = EPPO species (Bayer) codes
ARM Action Codes
TY1 = 4.74542529*[14]

# University of Georgia

**Evaluation of peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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-16-25 | May-16-25 | May-16-25 | May-16-25 | May-24-25 |
| Rating Type | | | | | | | | STUNTING | CONTROL | CONTROL | CONTROL | STUNTING |
| Rating Unit | | | | | | | | % | % | % | | % |
| Pest Code | | | | | | | | | CASOB | AMAPA | RAPRA | |
| Crop Type, Code | | | | | | | | C, GLYMA | | | | C, GLYMA |
| 1 | Untreated Check | | | | | | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 205 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 301 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 406 | 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 | 10.0 | 95.0 | 99.0 | 99.0 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | 201 | 10.0 | 95.0 | 99.0 | 99.0 | 20.0 |
| | | | | | | | 302 | 10.0 | 99.0 | 99.0 | 99.0 | 30.0 |
| | | | | | | | 404 | 15.0 | 99.0 | 99.0 | 99.0 | 10.0 |
| | | | | | | | Mean = | 11.3 | 97.0 | 99.0 | 99.0 | 22.5 |
| 3 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 103 | 15.0 | 95.0 | 99.0 | 99.0 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 206 | 15.0 | 95.0 | 99.0 | 99.0 | 10.0 |
| | | | | | | | 304 | 10.0 | 99.0 | 99.0 | 99.0 | 25.0 |
| | | | | | | | 401 | 10.0 | 99.0 | 99.0 | 99.0 | 20.0 |
| | | | | | | | Mean = | 12.5 | 97.0 | 99.0 | 99.0 | 21.3 |
| 4 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 104 | 15.0 | 99.0 | 99.0 | 99.0 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 203 | 15.0 | 99.0 | 99.0 | 99.0 | 10.0 |
| | | | | | | | 306 | 15.0 | 99.0 | 99.0 | 99.0 | 20.0 |
| | | | | | | | 402 | 10.0 | 99.0 | 99.0 | 99.0 | 15.0 |
| | | | | | | | Mean = | 13.8 | 99.0 | 99.0 | 99.0 | 18.8 |
| 5 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 105 | 5.0 | 95.0 | 99.0 | 99.0 | 30.0 |
| | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 204 | 15.0 | 99.0 | 99.0 | 99.0 | 15.0 |
| | | | | | | | 303 | 10.0 | 99.0 | 99.0 | 99.0 | 30.0 |
| | | | | | | | 405 | 15.0 | 99.0 | 99.0 | 99.0 | 20.0 |
| | | | | | | | Mean = | 11.3 | 98.0 | 99.0 | 99.0 | 23.8 |
| 6 | Valor EZ 4 SC | 4 SC | | 3 | fl oz/a | PREEM | 106 | 15.0 | 99.0 | 99.0 | 99.0 | 15.0 |
| | | | | | | | 202 | 10.0 | 99.0 | 99.0 | 99.0 | 0.0 |
| | | | | | | | 305 | 10.0 | 95.0 | 99.0 | 99.0 | 5.0 |
| | | | | | | | 403 | 10.0 | 99.0 | 99.0 | 99.0 | 0.0 |
| | | | | | | | Mean = | 11.3 | 98.0 | 99.0 | 99.0 | 5.0 |

# University of Georgia

**Evaluation of peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating Date | | | | | | | | May-24-25 | May-24-25 | May-24-25 | May-24-25 | May-24-25 |
| Rating Type | | | | | | | | CHLOROSIS | Casob | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | | | | | % | % | % |
| Pest Code | | | | | | | | | CASOB | AMAPA | RAPRA | MOLVE |
| Crop Type, Code | | | | | | | | C, GLYMA | | | | |
| 1 | Untreated Check | | | | | | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 205 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 301 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | 406 | 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 | 40.0 | 95.0 | 99.0 | 99.0 | 99.0 |
| | Valor EZ 4 SC | 4 SC | | 2 | fl oz/a | PREEM | 201 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 302 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 404 | 30.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | Mean = | 37.5 | 98.0 | 99.0 | 99.0 | 99.0 |
| 3 | Python 80 WG | 80 WG | | 0.91 | oz wt/a | PREEM | 103 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | Valor EZ 4 SC | 4 SC | | 2.29 | fl oz/a | PREEM | 206 | 35.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 304 | 30.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 401 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | Mean = | 36.3 | 99.0 | 99.0 | 99.0 | 99.0 |
| 4 | Python 80 WG | 80 WG | | 1.03 | oz wt/a | PREEM | 104 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | Valor EZ 4 SC | 4 SC | | 2.57 | fl oz/a | PREEM | 203 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 306 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 402 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | Mean = | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 5 | Python 80 WG | 80 WG | | 1.14 | oz wt/a | PREEM | 105 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | Valor EZ 4 SC | 4 SC | | 2.86 | fl oz/a | PREEM | 204 | 30.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 303 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 405 | 40.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | Mean = | 37.5 | 99.0 | 99.0 | 99.0 | 99.0 |
| 6 | Valor EZ 4 SC | 4 SC | | 3 | fl oz/a | PREEM | 106 | 0.0 | 95.0 | 99.0 | 95.0 | 99.0 |
| | | | | | | | 202 | 0.0 | 99.0 | 99.0 | 95.0 | 99.0 |
| | | | | | | | 305 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | 403 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| | | | | | | | Mean = | 0.0 | 98.0 | 99.0 | 97.0 | 99.0 |

# University of Georgia

**Evaluation of peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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 | | | | | | | Jun-2-25 | Jun-2-25 | Jun-2-25 | Oct-14-25 | Oct-14-25 |
| | Rating Type | | | | | | | CONTROL | CONTROL | CONTROL | YIELD | YIELD |
| | Rating Unit | | | | | | | % | % | % | LBS/PLOT | BU/A |
| | Pest Code | | | | | | | CASOB | AMAPA | RAPRA | | |
| | Crop Type, Code | | | | | | | | | | C, GLYMA | C, GLYMA |
| 1 | Untreated Check | | | | | | 101 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 205 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 301 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 406 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| | | | | | | | Mean = | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| 2 | Python 80 WG | 80 | WG | 0.8 | oz wt/a | PREEM | 102 | 95.0 | 99.0 | 99.0 | 10.70 | 50.8 |
| | Valor EZ 4 SC | 4 | SC | 2 | fl oz/a | PREEM | 201 | 99.0 | 99.0 | 99.0 | 9.40 | 44.6 |
| | | | | | | | 302 | 99.0 | 99.0 | 99.0 | 11.80 | 56.0 |
| | | | | | | | 404 | 99.0 | 99.0 | 99.0 | 10.00 | 47.5 |
| | | | | | | | Mean = | 98.0 | 99.0 | 99.0 | 10.48 | 49.7 |
| 3 | Python 80 WG | 80 | WG | 0.91 | oz wt/a | PREEM | 103 | 99.0 | 99.0 | 99.0 | 13.00 | 61.7 |
| | Valor EZ 4 SC | 4 | SC | 2.29 | fl oz/a | PREEM | 206 | 99.0 | 99.0 | 99.0 | 7.90 | 37.5 |
| | | | | | | | 304 | 99.0 | 99.0 | 99.0 | 13.40 | 63.6 |
| | | | | | | | 401 | 99.0 | 99.0 | 99.0 | 8.90 | 42.2 |
| | | | | | | | Mean = | 99.0 | 99.0 | 99.0 | 10.80 | 51.3 |
| 4 | Python 80 WG | 80 | WG | 1.03 | oz wt/a | PREEM | 104 | 99.0 | 99.0 | 99.0 | 14.80 | 70.2 |
| | Valor EZ 4 SC | 4 | SC | 2.57 | fl oz/a | PREEM | 203 | 95.0 | 99.0 | 99.0 | 10.90 | 51.7 |
| | | | | | | | 306 | 99.0 | 99.0 | 99.0 | 12.20 | 57.9 |
| | | | | | | | 402 | 99.0 | 99.0 | 99.0 | 10.00 | 47.5 |
| | | | | | | | Mean = | 98.0 | 99.0 | 99.0 | 11.98 | 56.8 |
| 5 | Python 80 WG | 80 | WG | 1.14 | oz wt/a | PREEM | 105 | 99.0 | 99.0 | 99.0 | 10.20 | 48.4 |
| | Valor EZ 4 SC | 4 | SC | 2.86 | fl oz/a | PREEM | 204 | 99.0 | 99.0 | 99.0 | 11.30 | 53.6 |
| | | | | | | | 303 | 99.0 | 99.0 | 99.0 | 10.60 | 50.3 |
| | | | | | | | 405 | 99.0 | 99.0 | 99.0 | 12.20 | 57.9 |
| | | | | | | | Mean = | 99.0 | 99.0 | 99.0 | 11.08 | 52.6 |
| 6 | Valor EZ 4 SC | 4 | SC | 3 | fl oz/a | PREEM | 106 | 95.0 | 99.0 | 95.0 | 10.20 | 48.4 |
| | | | | | | | 202 | 99.0 | 99.0 | 85.0 | 10.80 | 51.3 |
| | | | | | | | 305 | 85.0 | 99.0 | 99.0 | 11.70 | 55.5 |
| | | | | | | | 403 | 85.0 | 99.0 | 99.0 | 9.70 | 46.0 |
| | | | | | | | Mean = | 91.0 | 99.0 | 94.5 | 10.60 | 50.3 |

# University of Georgia

**Evaluation of peanut concept of flumetsulam plus flumioxazin for weed control in soybean**

Title No. 2:
Trial ID: SB-04-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: 25HD042US Location: Tifton, GA Trial Year: 2025
Project ID: 042 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
MOLVE, Mollugo verticillata, carpetweed = US
Crop Type, Code
C = EPPO species (Bayer) codes
ARM Action Codes
TY1 = 4.74542529*[14]