

# University of Georgia

|  |             |               |                 |
|--|-------------|---------------|-----------------|
| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H) |             |               |                 |
| WEED-FREE  |             |               |                 |
| Trial ID:  | PE-05-19    | Study Dir.:   | LARRY NEWSOME   |
| Location:  | PONDER FARM | Investigator: | Eric P. Prostko |

Reps: 4      Plots: 6 by 25 feet  
 Appl. Amount: 15 GAL/AC      Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

| Trt No. | Treatment Name                | Form Conc | Form Type | Form Rate  | Grow Stg | Appl Code | Amt Product to Measure | Diluent        | Rep 1 | Rep 2 | Rep 3 | Rep 4 |
|---------|-------------------------------|-----------|-----------|------------|----------|-----------|------------------------|----------------|-------|-------|-------|-------|
| 1       | GA-06G<br>NO TRIFLUDIMOXAZIN  |           |           |            |          |           |                        | -<br>-         | 101   | 204   | 302   | 403   |
| 2       | GA-06G<br>TRIFLUDIMOXAZIN     | 4.17      | SC        | 0.685 oz/a | PRE      | A         | 0.5351 mL/mx           | -<br>1499.5 mL | 102   | 203   | 304   | 401   |
| 3       | GA-06G<br>TRIFLUDIMOXAZIN     | 4.17      | SC        | 1.03 oz/a  | PRE      | A         | 0.8046 mL/mx           | -<br>1499.2 mL | 103   | 202   | 301   | 404   |
| 4       | GA-06G<br>TRIFLUDIMOXAZIN     | 4.17      | SC        | 2.06 oz/a  | PRE      | A         | 1.609 mL/mx            | -<br>1498.4 mL | 104   | 201   | 303   | 402   |
| 5       | GA-18RU<br>NO TRIFLUDIMOXAZIN |           |           |            |          |           |                        | -<br>-         | 105   | 208   | 307   | 406   |
| 6       | GA-18RU<br>TRIFLUDIMOXAZIN    | 4.17      | SC        | 0.685 oz/a | PRE      | A         | 0.5351 mL/mx           | -<br>1499.5 mL | 106   | 207   | 308   | 405   |
| 7       | GA-18RU<br>TRIFLUDIMOXAZIN    | 4.17      | SC        | 1.03 oz/a  | PRE      | A         | 0.8046 mL/mx           | -<br>1499.2 mL | 107   | 206   | 305   | 408   |
| 8       | GA-18RU<br>TRIFLUDIMOXAZIN    | 4.17      | SC        | 2.06 oz/a  | PRE      | A         | 1.609 mL/mx            | -<br>1498.4 mL | 108   | 205   | 306   | 407   |
| 9       | GA-16HO<br>NO TRIFLUDIMOXAZIN |           |           |            |          |           |                        | -<br>-         | 109   | 212   | 310   | 411   |
| 10      | GA-16HO<br>TRIFLUDIMOXAZIN    | 4.17      | SC        | 0.685 oz/a | PRE      | A         | 0.5351 mL/mx           | -<br>1499.5 mL | 110   | 211   | 309   | 412   |
| 11      | GA-16HO<br>TRIFLUDIMOXAZIN    | 4.17      | SC        | 1.03 oz/a  | PRE      | A         | 0.8046 mL/mx           | -<br>1499.2 mL | 111   | 210   | 312   | 409   |
| 12      | GA-16HO<br>TRIFLUDIMOXAZIN    | 4.17      | SC        | 2.06 oz/a  | PRE      | A         | 1.609 mL/mx            | -<br>1498.4 mL | 112   | 209   | 311   | 410   |

Sort Order: Treatment

### Trial Comments

MAINTAINED WEED-FREE

PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A (PRE) OVER ENTIRE TEST (MAY 2).  
 CADRE @ 4 OZ/A + DUAL MAGNUM @ 16OZ/A + ACEPHATE @ 8 OZ/A (MAY 23).  
 SELECT MAX @ 16 OZ/a + ADEPT @ 0.25% V/V (JUNE 4)

DIGGING DATE: SEPTEMBER 18  
 HARVEST DATE: SEPTEMBER 23  
 HARVEST MOISTURE: 7.5%  
 YIELDS ADJUSTED TO 10% MOISTURE.  
 2% YIELD DEDUCTION FOR FM (ROCKS, LEAVES, STEMS, ETC)

MISSING YIELD DATA FROM PLOTS 406 AND 407 DUE TO COMBINE PROBLEMS.

**SUMMARY:**

- 1) PEANUT DENSITY/STAND WAS NOT INFLUENCED BY VARIETY OR TRIFLUDIMOXAZIN RATE.
- 2) AT SOME RATINGS, GA-16HO APPEARED TO BE MORE SENSITIVE TO TRIFLUDIMOXAZIN THAN GA-06G AND GA-18RU.
- 3) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN VARIETY AND TRIFLUDIMOXAZIN RATE (P=0.5102). MAIN EFFECTS OF VARIETY AND RATE WERE SIGNIFICANT.
  - A) WHEN AVERAGED OVER RATE, GA-06G AND GA-18RU YIELDS WERE SIGNIFICANTLY GREATER THAN GA-18HO YIELDS BUT NOT DIFFERENT FROM EACH OTHER.
  - B) WHE AVERAGED OVER VARIETY, PEANUT YIELDS WERE ONLY SIGNIFICANTLY REDUCED (~5.6%) BY THE HIGHEST RATE (2.06 OZ/A) OF TRIFLUDIMOXAZIN.

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PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)  
WEED-FREE

Trial ID: PE-05-19 Study Dir.: LARRY NEWSOME  
Location: PONDER FARM Investigator: Eric P. Prostko

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PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)  
 WEED-FREE  
 Trial ID: PE-05-19 Study Dir.: LARRY NEWSOME  
 Location: PONDER FARM Investigator: Eric P. Prostko

**GENERAL TRIAL INFORMATION**

**Study Director:** LARRY NEWSOME **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Investigator:** Eric P. Prostko **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Trial Status:** E **Initiation Date:** \_\_\_\_\_ **Country:** \_\_\_\_\_  
**City:** \_\_\_\_\_ **State/Prov.:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N

**Objective:** \_\_\_\_\_  
**Conclusions:** \_\_\_\_\_

**CROP AND PEST DESCRIPTION**

Weed 1. \_\_\_\_\_ 2. \_\_\_\_\_

**Crop 1:** ARAHY PEANUT **Variety:** SEVERAL **Planting Date:** May-1-19  
**Planting Method:** MONOSEM TWIN ROW **Rate:** 3.5 SEED/FT **Depth:** 2.0 IN  
**Perennial Age:** \_\_\_\_\_ **Row Spacing:** \_\_\_\_\_ **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_ **Soil Moisture:** OPTIMUM **Emergence Date:** \_\_\_\_\_

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL **Study Design:** FACTOR  
**Trial Initiation Comments:** 300 LBS/A 5-15-30 PPLNT; THIMET INFR @ 6.6 LBS/A;  
 RANCONA VPD SEED TRT; 36"-9" TWIN ROW SPACING

**Previous: Crops Pesticides Year**  
 1. FIELD CORN 2018 \_\_\_\_\_

**MAINTENANCE**

**Field Prep./Maintenance:** \_\_\_\_\_

| No. | Date  | Treatment Name | Form  | Form  | Form  | Rate  | Unit  |
|-----|-------|----------------|-------|-------|-------|-------|-------|
|     |       |                | Conc  | Unit  | Type  | Rate  |       |
| 1.  | _____ | _____          | _____ | _____ | _____ | _____ | _____ |

**SOIL DESCRIPTION**

**Texture:** SAND **% OM:** 0.62 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2  
**pH:** 6.0 **CEC:** 2.9 **Soil Name:** FUQUAY **Fertility Level:** GOOD

**MOISTURE CONDITIONS**

| On: Date | Time      | Amount | Unit | Type                     | Interval | Unit  |
|----------|-----------|--------|------|--------------------------|----------|-------|
| 1.       | Apr-29-19 | 0.5    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |
| 2.       | May-3-19  | 0.6    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |
| 3.       | May-5-19  | 0.15   | IN   | RAINFALL                 | _____    | _____ |
| 4.       | May-6-19  | 0.5    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |
| 5.       | May-9-19  | 0.195  | IN   | RAINFALL                 | _____    | _____ |
| 6.       | May-10-19 | 0.5    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |
| 7.       | May-10-19 | 0.11   | IN   | RAINFALL                 | _____    | _____ |
| 8.       | May-11-19 | 0.65   | IN   | RAINFALL                 | _____    | _____ |
| 9.       | May-12-19 | 0.27   | IN   | RAINFALL                 | _____    | _____ |
| 10.      | May-16-19 | 0.5    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |
| 11.      | May-17-19 | 0.62   | IN   | RAINFALL                 | _____    | _____ |
| 12.      | May-29-19 | 0.5    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |
| 13.      | Jun-3-19  | 0.5    | IN   | SPRINKLER - LATERAL MOVE | _____    | _____ |

**Overall Moisture Conditions:** \_\_\_\_\_  
**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_\_

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|   |             |               |                 |
|---|-------------|---------------|-----------------|
| <b>PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)</b> |             |               |                 |
| <b>WEED-FREE</b>  |             |               |                 |
| Trial ID:   | PE-05-19    | Study Dir.:   | LARRY NEWSOME   |
| Location:   | PONDER FARM | Investigator: | Eric P. Prostko |

|                      |           | APPLICATION DESCRIPTION |       |       |       |       |       |
|----------------------|-----------|-------------------------|-------|-------|-------|-------|-------|
|                      |           | A                       | B     | C     | D     | E     | F     |
| Application Date:    | May-3-19  | _____                   | _____ | _____ | _____ | _____ | _____ |
| Time of Day:         | 7:30 AM   | _____                   | _____ | _____ | _____ | _____ | _____ |
| Application Method:  | BROADCAST | _____                   | _____ | _____ | _____ | _____ | _____ |
| Application Timing:  | PRE       | _____                   | _____ | _____ | _____ | _____ | _____ |
| Applic. Placement:   | SOIL      | _____                   | _____ | _____ | _____ | _____ | _____ |
| Air Temp., Unit:     | 71 F      | _____                   | _____ | _____ | _____ | _____ | _____ |
| % Relative Humidity: | 95        | _____                   | _____ | _____ | _____ | _____ | _____ |
| Wind Velocity, Unit: | 1 MPH     | _____                   | _____ | _____ | _____ | _____ | _____ |
| Dew Presence (Y/N):  | N         | _____                   | _____ | _____ | _____ | _____ | _____ |
| Water Hardness:      | -----     | _____                   | _____ | _____ | _____ | _____ | _____ |
| Soil Temp., Unit:    | 74 F      | _____                   | _____ | _____ | _____ | _____ | _____ |
| Soil Moisture:       | DRY       | _____                   | _____ | _____ | _____ | _____ | _____ |
| % Cloud Cover:       | 100       | _____                   | _____ | _____ | _____ | _____ | _____ |

|        |               | CROP STAGE AT EACH APPLICATION |       |       |       |       |       |
|--------|---------------|--------------------------------|-------|-------|-------|-------|-------|
|        |               | A                              | B     | C     | D     | E     | F     |
| Crop 1 | Stage: ARAHY  | _____                          | _____ | _____ | _____ | _____ | _____ |
|        | Stage Scale:  | _____                          | _____ | _____ | _____ | _____ | _____ |
|        | Height, Unit: | _____                          | _____ | _____ | _____ | _____ | _____ |

|        |                | WEED STAGE AT EACH APPLICATION |       |       |       |       |       |
|--------|----------------|--------------------------------|-------|-------|-------|-------|-------|
|        |                | A                              | B     | C     | D     | E     | F     |
| Weed 1 | Stage:         | _____                          | _____ | _____ | _____ | _____ | _____ |
|        | Stage Scale:   | _____                          | _____ | _____ | _____ | _____ | _____ |
|        | Density, Unit: | _____                          | _____ | _____ | _____ | _____ | _____ |

|                       |          | APPLICATION EQUIPMENT |       |       |       |       |       |
|-----------------------|----------|-----------------------|-------|-------|-------|-------|-------|
|                       |          | A                     | B     | C     | D     | E     | F     |
| Appl. Equipment:      | BACKPACK | _____                 | _____ | _____ | _____ | _____ | _____ |
| Operating Pressure:   | 38       | _____                 | _____ | _____ | _____ | _____ | _____ |
| Nozzle Type:          | AIXR     | _____                 | _____ | _____ | _____ | _____ | _____ |
| Nozzle Size:          | 11002    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Nozzle Spacing, Unit: | 20 IN    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Nozzles/Row:          | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Band Width, Unit:     | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Boom Length, Unit:    | 60 IN    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Boom Height, Unit:    | 20 IN    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Ground Speed, Unit:   | 3.5 MPH  | _____                 | _____ | _____ | _____ | _____ | _____ |
| Incorporation Equip.: | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Hours to Incorp.:     | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Incorp. Depth, Unit:  | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Carrier:              | WATER    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Spray Volume, Unit:   | 15 GPA   | _____                 | _____ | _____ | _____ | _____ | _____ |
| Spray pH:             | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |
| Propellant:           | CO2      | _____                 | _____ | _____ | _____ | _____ | _____ |
| Tank Mix (Y/N):       | _____    | _____                 | _____ | _____ | _____ | _____ | _____ |

| Trt No | Treatment Application Comment |
|--------|-------------------------------|
| _____  | _____                         |

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE |             |               |                 |           |           |          |               |
|---|-------------|---------------|-----------------|-----------|-----------|----------|---------------|
| Trial ID:   | PE-05-19    | Study Dir.:   | LARRY NEWSOME   |           |           |          |               |
| Location:   | PONDER FARM | Investigator: | Eric P. Prostko |           |           |          |               |
| Weed Code   | Arahy       | Arahy         | Arahy           | Arahy     | Arahy     | Arahy    | -----         |
| Crop Code   | Stand       | Stunting      | Injury          | Stunting  | Stunting  | Stunting | ARAHY         |
| Part Rated  | #/3 ft      | Percent       | Percent         | Percent   | Percent   | Percent  | DIRTY -       |
| Rating Data Type  | May-10-19   | May-10-19     | May-21-19       | Jun-10-19 | Jun-26-19 | Aug-1-19 | YIELD         |
| Rating Unit   | 7 DA-A      | 7 DA-A        | 18 DA-A         | 38 DA-A   | 54 DA-A   | 90 DA-A  | LBS/PLOT      |
| Rating Date   |             |               |                 |           |           |          | Sep-23-19     |
| Trt-Eval Interval   |             |               |                 |           |           |          | 143 DA-A      |
| PRM Data Type   |             |               |                 |           |           |          |               |
| # Subsamples, Dec.  |             |               |                 |           |           |          | - 1           |
| Trt Treatment No. Name  | Form Conc   | Form Type     | Rate            | Grow Unit | Appl Stg  | Code     |               |
|   |             |               |                 |           |           |          | 1 2 3 4 5 6 7 |
| <b>TABLE OF R MEANS</b>   |             |               |                 |           |           |          |               |
| Replicate 1   | 14.3        | 0.0           | 2.5             | 2.5       | 7.1       | 1.3      | 24.0          |
| Replicate 2   | 13.5        | 5.8           | 7.5             | 8.8       | 2.9       | 0.4      | 23.0          |
| Replicate 3   | 13.3        | 5.0           | 6.7             | 8.3       | 4.6       | 2.1      | 22.8          |
| Replicate 4   | 13.3        | 4.2           | 5.0             | 7.1       | 1.3       | 1.7      | 22.4          |
| <b>TABLE OF A (VARIETY) MEANS</b>                                     |             |               |                 |           |           |          |               |
| 1 GA-06G  | 14.0 -      | 2.5 -         | 5.3 -           | 6.6 ab    | 2.8 b     | 0.3 -    | 23.4 a        |
| 2 GA-18RU   | 14.3 -      | 4.4 -         | 5.0 -           | 4.4 b     | 1.6 b     | 1.3 -    | 23.9 a        |
| 3 GA-16HO   | 12.6 -      | 4.4 -         | 5.9 -           | 9.1 a     | 7.5 a     | 2.5 -    | 21.8 b        |
| LSD P=.10   | 2.20        | 4.82          | 2.38            | 3.23      | 3.83      | 2.20     | 1.26          |
| Standard Deviation  | 3.20        | 7.02          | 3.46            | 4.70      | 5.57      | 3.20     | 1.83          |
| CV  | 23.49       | 187.25        | 63.90           | 70.43     | 140.83    | 236.34   | 7.94          |
| <b>TABLE OF B (TRIFLUDI RATE) MEANS</b>                               |             |               |                 |           |           |          |               |
| 1 NO TRIFLUDIMOXAZIN  | 13.7 -      | 0.0 c         | 0.0 b           | 0.0 c     | 0.0 b     | 0.0 b    | 23.5 a        |
| 2 TRIFLUDIMOXAZIN   | 4.17 SC     | 0.685 oz/a    | PRE A           | 13.8 -    | 1.7 bc    | 0.0 b    | 23.3 a        |
| 3 TRIFLUDIMOXAZIN   | 4.17 SC     | 1.03 oz/a     | PRE A           | 13.5 -    | 5.8 ab    | 2.9 b    | 23.2 a        |
| 4 TRIFLUDIMOXAZIN   | 4.17 SC     | 2.06 oz/a     | PRE A           | 13.4 -    | 7.5 a     | 18.8 a   | 22.2 b        |
| LSD P=.10   | 0.96        | 4.83          | 4.23            | 5.58      | 4.71      | 2.55     | 0.56          |
| Standard Deviation  | 1.28        | 6.45          | 5.65            | 7.45      | 6.29      | 3.41     | 0.75          |
| CV  | 9.39        | 172.13        | 104.34          | 111.80    | 158.94    | 251.86   | 3.24          |
| <b>TABLE OF A (VARIETY) B (TRIFLUDI RATE) MEANS</b>                   |             |               |                 |           |           |          |               |
| 1 GA-06G  | 15.0 -      | 0.0 -         | 0.0 e           | 0.0 -     | 0.0 d     | 0.0 -    | 23.6 -        |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |           |          |               |
| 2 GA-18RU   | 13.8 -      | 0.0 -         | 0.0 e           | 0.0 -     | 0.0 d     | 0.0 -    | 24.4 -        |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |           |          |               |
| 3 GA-16HO   | 12.3 -      | 0.0 -         | 0.0 e           | 0.0 -     | 0.0 d     | 0.0 -    | 22.5 -        |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |           |          |               |
| 1 GA-06G  | 13.5 -      | 2.5 -         | 0.0 e           | 3.8 -     | 0.0 d     | 0.0 -    | 23.3 -        |
| 2 TRIFLUDIMOXAZIN   | 4.17 SC     | 0.685 oz/a    | PRE A           |           |           |          |               |
| 2 GA-18RU   | 14.5 -      | 0.0 -         | 0.0 e           | 1.3 -     | 0.0 d     | 1.3 -    | 24.4 -        |
| 2 TRIFLUDIMOXAZIN   | 4.17 SC     | 0.685 oz/a    | PRE A           |           |           |          |               |
| 3 GA-16HO   | 13.5 -      | 2.5 -         | 0.0 e           | 3.8 -     | 1.3 cd    | 0.0 -    | 22.3 -        |
| 2 TRIFLUDIMOXAZIN   | 4.17 SC     | 0.685 oz/a    | PRE A           |           |           |          |               |
| 1 GA-06G  | 13.8 -      | 2.5 -         | 2.5 de          | 6.3 -     | 2.5 cd    | 0.0 -    | 23.6 -        |
| 3 TRIFLUDIMOXAZIN   | 4.17 SC     | 1.03 oz/a     | PRE A           |           |           |          |               |
| 2 GA-18RU   | 14.3 -      | 7.5 -         | 5.0 d           | 3.8 -     | 1.3 cd    | 0.0 -    | 23.8 -        |
| 3 TRIFLUDIMOXAZIN   | 4.17 SC     | 1.03 oz/a     | PRE A           |           |           |          |               |
| 3 GA-16HO   | 12.5 -      | 7.5 -         | 1.3 e           | 10.0 -    | 6.3 bc    | 2.5 -    | 22.2 -        |
| 3 TRIFLUDIMOXAZIN   | 4.17 SC     | 1.03 oz/a     | PRE A           |           |           |          |               |
| 1 GA-06G  | 13.8 -      | 5.0 -         | 18.8 b          | 16.3 -    | 8.8 b     | 1.3 -    | 23.1 -        |
| 4 TRIFLUDIMOXAZIN   | 4.17 SC     | 2.06 oz/a     | PRE A           |           |           |          |               |
| 2 GA-18RU   | 14.5 -      | 10.0 -        | 15.0 c          | 12.5 -    | 5.0 bcd   | 3.8 -    | 23.0 -        |
| 4 TRIFLUDIMOXAZIN   | 4.17 SC     | 2.06 oz/a     | PRE A           |           |           |          |               |
| 3 GA-16HO   | 12.0 -      | 7.5 -         | 22.5 a          | 22.5 -    | 22.5 a    | 7.5 -    | 20.4 -        |
| 4 TRIFLUDIMOXAZIN   | 4.17 SC     | 2.06 oz/a     | PRE A           |           |           |          |               |
| LSD P=.10   | 2.68        | 7.30          | 3.58            | 6.68      | 5.48      | 4.30     | 1.06          |
| Standard Deviation  | 2.18        | 5.95          | 2.92            | 5.45      | 4.47      | 3.51     | 0.86          |
| CV  | 16.06       | 158.70        | 53.85           | 81.73     | 112.88    | 259.27   | 3.74          |

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.

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE |             |               |                 |           |          |           |
|---|-------------|---------------|-----------------|-----------|----------|-----------|
| Trial ID:   | PE-05-19    | Study Dir.:   | LARRY NEWSOME   |           |          |           |
| Location:   | PONDER FARM | Investigator: | Eric P. Prostko |           |          |           |
| Weed Code   |             |               | -----           |           |          | -----     |
| Crop Code   |             |               | ARAHY           |           |          | ARAHY     |
| Part Rated  |             |               | CLEAN -         |           |          | PLOT -    |
| Rating Data Type  |             |               | YIELD           |           |          | YIELD     |
| Rating Unit   |             |               | LBS/PLOT        |           |          | LBS/A     |
| Rating Date   |             |               | Sep-23-19       |           |          | Sep-23-19 |
| Trt-Eval Interval   |             |               | 143 DA-A        |           |          | 143 DA-A  |
| PRM Data Type   |             |               | T1              |           |          | TY2       |
| # Subsamples, Dec.  |             |               | - 1             |           |          | - 0       |
| Trt Treatment No. Name  | Form Conc   | Form Type     | Rate            | Grow Unit | Appl Stg | Code      |
|   |             |               |                 |           |          |           |
|   |             |               |                 |           |          | 8         |
|   |             |               |                 |           |          | 9         |
| <b>TABLE OF R MEANS</b>   |             |               |                 |           |          |           |
| Replicate 1   |             |               |                 |           |          | 23.6      |
| Replicate 2   |             |               |                 |           |          | 7030      |
| Replicate 3   |             |               |                 |           |          | 22.5      |
| Replicate 4   |             |               |                 |           |          | 6725      |
|   |             |               |                 |           |          | 22.3      |
|   |             |               |                 |           |          | 6657      |
|   |             |               |                 |           |          | 21.9      |
|   |             |               |                 |           |          | 6540      |
| <b>TABLE OF A (VARIETY) MEANS</b>                                     |             |               |                 |           |          |           |
| 1 GA-06G  |             |               |                 |           |          | 22.9 a    |
| 2 GA-18RU   |             |               |                 |           |          | 6841 a    |
| 3 GA-16HO   |             |               |                 |           |          | 23.4 a    |
|   |             |               |                 |           |          | 6987 a    |
|   |             |               |                 |           |          | 21.4 b    |
|   |             |               |                 |           |          | 6386 b    |
| LSD P=.10   |             |               |                 |           |          | 1.23      |
| Standard Deviation  |             |               |                 |           |          | 367.5     |
| CV  |             |               |                 |           |          | 1.79      |
|   |             |               |                 |           |          | 535.0     |
|   |             |               |                 |           |          | 7.94      |
|   |             |               |                 |           |          | 7.9       |
| <b>TABLE OF B (TRIFLUDI RATE) MEANS</b>                               |             |               |                 |           |          |           |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |          | 23.0 a    |
| 2 TRIFLUDIMOXAZIN   | 4.17        | SC            | 0.685 oz/a      | PRE       | A        | 6866 a    |
| 3 TRIFLUDIMOXAZIN   | 4.17        | SC            | 1.03 oz/a       | PRE       | A        | 22.9 a    |
| 4 TRIFLUDIMOXAZIN   | 4.17        | SC            | 2.06 oz/a       | PRE       | A        | 6825 a    |
|   |             |               |                 |           |          | 22.7 a    |
|   |             |               |                 |           |          | 6781 a    |
|   |             |               |                 |           |          | 21.7 b    |
|   |             |               |                 |           |          | 6480 b    |
| LSD P=.10   |             |               |                 |           |          | 0.55      |
| Standard Deviation  |             |               |                 |           |          | 163.6     |
| CV  |             |               |                 |           |          | 0.73      |
|   |             |               |                 |           |          | 218.6     |
|   |             |               |                 |           |          | 3.24      |
|   |             |               |                 |           |          | 3.2       |
| <b>TABLE OF A (VARIETY) B (TRIFLUDI RATE) MEANS</b>                   |             |               |                 |           |          |           |
| 1 GA-06G  |             |               |                 |           |          | 23.1 -    |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |          | 6896 -    |
| 2 GA-18RU   |             |               |                 |           |          | 23.9 -    |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |          | 7127 -    |
| 3 GA-16HO   |             |               |                 |           |          | 22.0 -    |
| 1 NO TRIFLUDIMOXAZIN  |             |               |                 |           |          | 6574 -    |
| 1 GA-06G  |             |               |                 |           |          | 22.9 -    |
| 2 TRIFLUDIMOXAZIN   | 4.17        | SC            | 0.685 oz/a      | PRE       | A        | 6823 -    |
| 2 GA-18RU   |             |               |                 |           |          | 23.9 -    |
| 2 TRIFLUDIMOXAZIN   | 4.17        | SC            | 0.685 oz/a      | PRE       | A        | 7122 -    |
| 3 GA-16HO   |             |               |                 |           |          | 21.9 -    |
| 2 TRIFLUDIMOXAZIN   | 4.17        | SC            | 0.685 oz/a      | PRE       | A        | 6530 -    |
| 1 GA-06G  |             |               |                 |           |          | 23.1 -    |
| 3 TRIFLUDIMOXAZIN   | 4.17        | SC            | 1.03 oz/a       | PRE       | A        | 6903 -    |
| 2 GA-18RU   |             |               |                 |           |          | 23.3 -    |
| 3 TRIFLUDIMOXAZIN   | 4.17        | SC            | 1.03 oz/a       | PRE       | A        | 6961 -    |
| 3 GA-16HO   |             |               |                 |           |          | 21.7 -    |
| 3 TRIFLUDIMOXAZIN   | 4.17        | SC            | 1.03 oz/a       | PRE       | A        | 6479 -    |
| 1 GA-06G  |             |               |                 |           |          | 22.6 -    |
| 4 TRIFLUDIMOXAZIN   | 4.17        | SC            | 2.06 oz/a       | PRE       | A        | 6742 -    |
| 2 GA-18RU   |             |               |                 |           |          | 22.6 -    |
| 4 TRIFLUDIMOXAZIN   | 4.17        | SC            | 2.06 oz/a       | PRE       | A        | 6737 -    |
| 3 GA-16HO   |             |               |                 |           |          | 20.0 -    |
| 4 TRIFLUDIMOXAZIN   | 4.17        | SC            | 2.06 oz/a       | PRE       | A        | 5960 -    |
| LSD P=.10   |             |               |                 |           |          | 1.04      |
| Standard Deviation  |             |               |                 |           |          | 311.2     |
| CV  |             |               |                 |           |          | 0.84      |
|   |             |               |                 |           |          | 252.1     |
|   |             |               |                 |           |          | 3.74      |
|   |             |               |                 |           |          | 3.7       |

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.

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE                      |             |                |                 |        |         |           |
|--|-------------|----------------|-----------------|--------|---------|-----------|
| Trial ID:  | PE-05-19    | Study Dir.:    | LARRY NEWSOME   |        |         |           |
| Location:  | PONDER FARM | Investigator:  | Eric P. Prostko |        |         |           |
| <b>COMPLETE FACTORIAL AOV For Arahy Stand #/3 ft May-10-19 7 DA-A (Data Column 1)</b>      |             |                |                 |        |         |           |
| Source   | DF          | Sum of Squares | Mean Square     | F      | Prob(F) | LSD (.10) |
| Total  | 47          | 209.479167     |                 |        |         |           |
| R  | 3           | 8.895833       | 2.965278        | 0.622  | 0.6102  |           |
| A  | 2           | 26.541667      | 13.270833       | 1.299  | 0.3398  | 2.2       |
| RA   | 6           | 61.291667      | 10.215278       |        |         |           |
| B  | 3           | 1.229167       | 0.409722        | 0.251  | 0.8587  | 1.0       |
| RB   | 9           | 14.687500      | 1.631944        |        |         |           |
| AB   | 6           | 10.958333      | 1.826389        | 0.383  | 0.8804  | 2.7       |
| RAB  | 18          | 85.875000      | 4.770833        |        |         |           |
| <b>COMPLETE FACTORIAL AOV For Arahy Stunting Percent May-10-19 7 DA-A (Data Column 2)</b>  |             |                |                 |        |         |           |
| Source   | DF          | Sum of Squares | Mean Square     | F      | Prob(F) | LSD (.10) |
| Total  | 47          | 2125.000000    |                 |        |         |           |
| R  | 3           | 241.666667     | 80.555556       | 2.275  | 0.1146  |           |
| A  | 2           | 37.500000      | 18.750000       | 0.380  | 0.6990  | 4.8       |
| RA   | 6           | 295.833333     | 49.305556       |        |         |           |
| B  | 3           | 441.666667     | 147.222222      | 3.533  | 0.0615  | 4.8       |
| RB   | 9           | 375.000000     | 41.666667       |        |         |           |
| AB   | 6           | 95.833333      | 15.972222       | 0.451  | 0.8349  | 7.3       |
| RAB  | 18          | 637.500000     | 35.416667       |        |         |           |
| <b>COMPLETE FACTORIAL AOV For Arahy Injury Percent May-21-19 18 DA-A (Data Column 3)</b>   |             |                |                 |        |         |           |
| Source   | DF          | Sum of Squares | Mean Square     | F      | Prob(F) | LSD (.10) |
| Total  | 47          | 3741.666667    |                 |        |         |           |
| R  | 3           | 175.000000     | 58.333333       | 6.857  | 0.0028  |           |
| A  | 2           | 7.291667       | 3.645833        | 0.304  | 0.7484  | 2.4       |
| RA   | 6           | 71.875000      | 11.979167       |        |         |           |
| B  | 3           | 2912.500000    | 970.833333      | 30.391 | 0.0001  | 4.2       |
| RB   | 9           | 287.500000     | 31.944444       |        |         |           |
| AB   | 6           | 134.375000     | 22.395833       | 2.633  | 0.0519  | 3.6       |
| RAB  | 18          | 153.125000     | 8.506944        |        |         |           |
| <b>COMPLETE FACTORIAL AOV For Arahy Stunting Percent Jun-10-19 38 DA-A (Data Column 4)</b> |             |                |                 |        |         |           |
| Source   | DF          | Sum of Squares | Mean Square     | F      | Prob(F) | LSD (.10) |
| Total  | 47          | 3766.666667    |                 |        |         |           |
| R  | 3           | 295.833333     | 98.611111       | 3.322  | 0.0433  |           |
| A  | 2           | 176.041667     | 88.020833       | 3.992  | 0.0790  | 3.2       |
| RA   | 6           | 132.291667     | 22.048611       |        |         |           |
| B  | 3           | 2004.166667    | 668.055556      | 12.025 | 0.0017  | 5.6       |
| RB   | 9           | 500.000000     | 55.555556       |        |         |           |
| AB   | 6           | 123.958333     | 20.659722       | 0.696  | 0.6562  | 6.7       |
| RAB  | 18          | 534.375000     | 29.687500       |        |         |           |
| <b>COMPLETE FACTORIAL AOV For Arahy Stunting Percent Jun-26-19 54 DA-A (Data Column 5)</b> |             |                |                 |        |         |           |
| Source   | DF          | Sum of Squares | Mean Square     | F      | Prob(F) | LSD (.10) |
| Total  | 47          | 2997.916667    |                 |        |         |           |
| R  | 3           | 222.916667     | 74.305556       | 3.722  | 0.0305  |           |
| A  | 2           | 313.541667     | 156.770833      | 5.045  | 0.0519  | 3.8       |
| RA   | 6           | 186.458333     | 31.076389       |        |         |           |
| B  | 3           | 1135.416667    | 378.472222      | 9.561  | 0.0037  | 4.7       |
| RB   | 9           | 356.250000     | 39.583333       |        |         |           |
| AB   | 6           | 423.958333     | 70.659722       | 3.539  | 0.0172  | 5.5       |
| RAB  | 18          | 359.375000     | 19.965278       |        |         |           |
| <b>COMPLETE FACTORIAL AOV For Arahy Stunting Percent Aug-1-19 90 DA-A (Data Column 6)</b>  |             |                |                 |        |         |           |
| Source   | DF          | Sum of Squares | Mean Square     | F      | Prob(F) | LSD (.10) |
| Total  | 47          | 636.979167     |                 |        |         |           |
| R  | 3           | 18.229167      | 6.076389        | 0.493  | 0.6916  |           |
| A  | 2           | 38.541667      | 19.270833       | 1.881  | 0.2321  | 2.2       |
| RA   | 6           | 61.458333      | 10.243056       |        |         |           |
| B  | 3           | 130.729167     | 43.576389       | 3.746  | 0.0537  | 2.6       |
| RB   | 9           | 104.687500     | 11.631944       |        |         |           |
| AB   | 6           | 61.458333      | 10.243056       | 0.831  | 0.5614  | 4.3       |
| RAB  | 18          | 221.875000     | 12.326389       |        |         |           |

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.

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE   |             |                |                 |       |         |           |  |
|---|-------------|----------------|-----------------|-------|---------|-----------|--|
| Trial ID:   | PE-05-19    | Study Dir.:    | LARRY NEWSOME   |       |         |           |  |
| Location:   | PONDER FARM | Investigator:  | Eric P. Prostko |       |         |           |  |
| COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-23-19 143 DA-A 1 (Data Column 7) Missing values in column 7<br>results in unbalanced data, Least Squares Analysis is preferred    |             |                |                 |       |         |           |  |
| Source  | DF          | Sum of Squares | Mean Square     | F     | Prob(F) | LSD (.10) |  |
| Total   | 45          | 109.218681     |                 |       |         |           |  |
| R   | 3           | 18.395625      | 6.131875        | 8.253 | 0.0015  |           |  |
| A   | 2           | 36.800417      | 18.400208       | 5.500 | 0.0440  | 1.3       |  |
| RA  | 6           | 20.071250      | 3.345208        |       |         |           |  |
| B   | 3           | 12.965810      | 4.321937        | 7.738 | 0.0073  | 0.6       |  |
| RB  | 9           | 5.026875       | 0.558542        |       |         |           |  |
| AB  | 6           | 4.071620       | 0.678603        | 0.913 | 0.5102  | 1.1       |  |
| RAB   | 16          | 11.887083      | 0.742943        |       |         |           |  |
| COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-23-19 143 DA-A T1 1 (Data Column 8) Missing values in column 8<br>results in unbalanced data, Least Squares Analysis is preferred |             |                |                 |       |         |           |  |
| Source  | DF          | Sum of Squares | Mean Square     | F     | Prob(F) | LSD (.10) |  |
| Total   | 45          | 104.893621     |                 |       |         |           |  |
| R   | 3           | 17.667158      | 5.889053        | 8.253 | 0.0015  |           |  |
| A   | 2           | 35.343120      | 17.671560       | 5.500 | 0.0440  | 1.2       |  |
| RA  | 6           | 19.276429      | 3.212738        |       |         |           |  |
| B   | 3           | 12.452364      | 4.150788        | 7.738 | 0.0073  | 0.5       |  |
| RB  | 9           | 4.827811       | 0.536423        |       |         |           |  |
| AB  | 6           | 3.910384       | 0.651731        | 0.913 | 0.5102  | 1.0       |  |
| RAB   | 16          | 11.416355      | 0.713522        |       |         |           |  |
| COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-23-19 143 DA-A TY2 0 (Data Column 9) Missing values in column 9<br>results in unbalanced data, Least Squares Analysis is preferred    |             |                |                 |       |         |           |  |
| Source  | DF          | Sum of Squares | Mean Square     | F     | Prob(F) | LSD (.10) |  |
| Total   | 45          | 9344172.445066 |                 |       |         |           |  |
| R   | 3           | 1573832.345899 | 524610.781966   | 8.253 | 0.0015  |           |  |
| A   | 2           | 3148448.943299 | 1574224.471649  | 5.500 | 0.0440  | 368       |  |
| RA  | 6           | 1717189.955363 | 286198.325894   |       |         |           |  |
| B   | 3           | 1109286.118859 | 369762.039620   | 7.738 | 0.0073  | 164       |  |
| RB  | 9           | 430072.828392  | 47785.869821    |       |         |           |  |
| AB  | 6           | 348346.296422  | 58057.716070    | 0.913 | 0.5102  | 311       |  |
| RAB   | 16          | 1016995.956832 | 63562.247302    |       |         |           |  |
| <u>PRM Data Type</u>  |             |                |                 |       |         |           |  |
| T1 = [7]*0.98   |             |                |                 |       |         |           |  |
| TY2 = 298.4667*[8]  |             |                |                 |       |         |           |  |

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.



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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
|---|-----------|-------------------------------|------------------|-------------|-------------|-------------------|------------------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Trial ID: PE-05-19  |           | Study Dir.: LARRY NEWSOME     |                  |             |             |                   |                                    |                                      |                                    |                                      |
| Location: PONDER FARM   |           | Investigator: Eric P. Prostko |                  |             |             |                   |                                    |                                      |                                    |                                      |
| Weed Code   | Crop Code | Part Rated                    | Rating Data Type | Rating Unit | Rating Date | Trt-Eval Interval | PRM Data Type                      | # Subsamples, Dec.                   |                                    |                                      |
|   |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
|   |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
|   |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
|   |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
|   |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
|   |           |                               |                  |             |             |                   |                                    |                                      |                                    |                                      |
| Trt Treatment   | Form      | Form                          | Rate             | Grow        | Appl        |                   |                                    |                                      |                                    |                                      |
| No. Name  | Conc      | Type                          | Rate             | Unit        | Stg         | Code              | Plot                               | 1                                    | 2                                  |                                      |
|   |           |                               |                  |             |             |                   |                                    | 3                                    | 4                                  |                                      |
|   |           |                               |                  |             |             |                   |                                    | 5                                    | 6                                  |                                      |
| 1 GA-06G<br>NO TRIFLUDIMOXAZIN  |           |                               |                  |             |             |                   | 101<br>204<br>302<br>403<br>Mean = | 17.0<br>15.0<br>13.0<br>15.0<br>15.0 | 0.0<br>0.0<br>0.0<br>0.0<br>0.0    | 0.0<br>0.0<br>0.0<br>0.0<br>0.0      |
| 2 GA-06G<br>TRIFLUDIMOXAZIN   | 4.17      | SC                            | 0.685 oz/a       | PRE         | A           |                   | 102<br>203<br>304<br>401<br>Mean = | 16.0<br>13.0<br>12.0<br>13.0<br>13.5 | 0.0<br>0.0<br>0.0<br>10.0<br>2.5   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0      |
| 3 GA-06G<br>TRIFLUDIMOXAZIN   | 4.17      | SC                            | 1.03 oz/a        | PRE         | A           |                   | 103<br>202<br>301<br>404<br>Mean = | 14.0<br>13.0<br>15.0<br>13.0<br>13.8 | 0.0<br>0.0<br>10.0<br>0.0<br>2.5   | 0.0<br>0.0<br>10.0<br>0.0<br>2.5     |
| 4 GA-06G<br>TRIFLUDIMOXAZIN   | 4.17      | SC                            | 2.06 oz/a        | PRE         | A           |                   | 104<br>201<br>303<br>402<br>Mean = | 16.0<br>12.0<br>10.0<br>17.0<br>13.8 | 0.0<br>10.0<br>0.0<br>10.0<br>5.0  | 10.0<br>25.0<br>20.0<br>20.0<br>18.8 |
| 5 GA-18RU<br>NO TRIFLUDIMOXAZIN                                       |           |                               |                  |             |             |                   | 105<br>208<br>307<br>406<br>Mean = | 16.0<br>11.0<br>15.0<br>13.0<br>13.8 | 0.0<br>0.0<br>0.0<br>0.0<br>0.0    | 0.0<br>0.0<br>0.0<br>0.0<br>0.0      |
| 6 GA-18RU<br>TRIFLUDIMOXAZIN  | 4.17      | SC                            | 0.685 oz/a       | PRE         | A           |                   | 106<br>207<br>308<br>405<br>Mean = | 16.0<br>11.0<br>16.0<br>15.0<br>14.5 | 0.0<br>0.0<br>0.0<br>0.0<br>0.0    | 0.0<br>0.0<br>0.0<br>5.0<br>1.3      |
| 7 GA-18RU<br>TRIFLUDIMOXAZIN  | 4.17      | SC                            | 1.03 oz/a        | PRE         | A           |                   | 107<br>206<br>305<br>408<br>Mean = | 17.0<br>14.0<br>16.0<br>10.0<br>14.3 | 0.0<br>10.0<br>20.0<br>0.0<br>7.5  | 0.0<br>10.0<br>10.0<br>0.0<br>5.0    |
| 8 GA-18RU<br>TRIFLUDIMOXAZIN  | 4.17      | SC                            | 2.06 oz/a        | PRE         | A           |                   | 108<br>205<br>306<br>407<br>Mean = | 15.0<br>16.0<br>13.0<br>14.0<br>14.5 | 0.0<br>20.0<br>20.0<br>0.0<br>10.0 | 0.0<br>20.0<br>20.0<br>20.0<br>12.5  |
| 9 GA-16HO<br>NO TRIFLUDIMOXAZIN                                       |           |                               |                  |             |             |                   | 109<br>212<br>310<br>411<br>Mean = | 11.0<br>13.0<br>11.0<br>14.0<br>12.3 | 0.0<br>0.0<br>0.0<br>0.0<br>0.0    | 0.0<br>0.0<br>0.0<br>0.0<br>0.0      |
| 10 GA-16HO<br>TRIFLUDIMOXAZIN   | 4.17      | SC                            | 0.685 oz/a       | PRE         | A           |                   | 110<br>211<br>309<br>412<br>Mean = | 10.0<br>17.0<br>13.0<br>14.0<br>13.5 | 0.0<br>0.0<br>10.0<br>0.0<br>2.5   | 0.0<br>0.0<br>0.0<br>0.0<br>0.0      |
| 11 GA-16HO<br>TRIFLUDIMOXAZIN   | 4.17      | SC                            | 1.03 oz/a        | PRE         | A           |                   | 111<br>210<br>312<br>409<br>Mean = | 13.0<br>13.0<br>11.0<br>13.0<br>12.5 | 0.0<br>10.0<br>0.0<br>20.0<br>7.5  | 0.0<br>5.0<br>0.0<br>0.0<br>1.3      |

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE |  |                |  |                    |  |                  |  |                |  |                  |  |
|---|--|----------------|--|--------------------|--|------------------|--|----------------|--|------------------|--|
| Trial ID:   |  | PE-05-19       |  | Study Dir.:        |  | LARRY NEWSOME    |  |                |  |                  |  |
| Location:   |  | PONDER FARM    |  | Investigator:      |  | Eric P. Prostko  |  |                |  |                  |  |
| Weed Code   |  |                |  | Arahy              |  | Arahy            |  | Arahy          |  | Arahy            |  |
| Crop Code   |  |                |  | Arahy              |  | Arahy            |  | Arahy          |  | Arahy            |  |
| Part Rated  |  |                |  | Arahy              |  | Arahy            |  | Arahy          |  | Arahy            |  |
| Rating Data Type  |  |                |  | Stand #/3 ft       |  | Stunting Percent |  | Injury Percent |  | Stunting Percent |  |
| Rating Unit   |  |                |  | May-10-19          |  | May-10-19        |  | May-21-19      |  | Jun-10-19        |  |
| Rating Date   |  |                |  | 7 DA-A             |  | 7 DA-A           |  | 18 DA-A        |  | 38 DA-A          |  |
| Trt-Eval Interval   |  |                |  | 7 DA-A             |  | 7 DA-A           |  | 18 DA-A        |  | 38 DA-A          |  |
| PRM Data Type   |  |                |  | 7 DA-A             |  | 7 DA-A           |  | 18 DA-A        |  | 38 DA-A          |  |
| # Subsamples, Dec.  |  |                |  | 7 DA-A             |  | 7 DA-A           |  | 18 DA-A        |  | 38 DA-A          |  |
| Trt Treatment   |  | Form Form      |  | Rate Grow Appl     |  | 1                |  | 2              |  | 3                |  |
| No. Name  |  | Conc Type Rate |  | Unit Stg Code Plot |  | 1                |  | 2              |  | 3                |  |
| 12 GA-16HO  |  | 4.17 SC        |  | 2.06 oz/a PRE A    |  | 112              |  | 209            |  | 410              |  |
| TRIFLUDIMOXAZIN   |  | 4.17 SC        |  | 2.06 oz/a PRE A    |  | 112              |  | 209            |  | 410              |  |
|   |  |                |  |                    |  | 11.0             |  | 0.0            |  | 20.0             |  |
|   |  |                |  |                    |  | 14.0             |  | 20.0           |  | 30.0             |  |
|   |  |                |  |                    |  | 14.0             |  | 0.0            |  | 20.0             |  |
|   |  |                |  |                    |  | 9.0              |  | 10.0           |  | 20.0             |  |
|   |  |                |  |                    |  | 12.0             |  | 7.5            |  | 22.5             |  |
| Mean =  |  |                |  |                    |  | 12.0             |  | 7.5            |  | 22.5             |  |

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)<br>WEED-FREE |                               |             |                  |               |             |                   |               |                                    |  |  |   |
|---|-------------------------------|-------------|------------------|---------------|-------------|-------------------|---------------|------------------------------------|--|--|---|
| Trial ID:   |                               | PE-05-19    |                  | Study Dir.:   |             | LARRY NEWSOME     |               |                                    |  |  |   |
| Location:   |                               | PONDER FARM |                  | Investigator: |             | Eric P. Prostko   |               |                                    |  |  |   |
| Weed Code   | Crop Code                     | Part Rated  | Rating Data Type | Rating Unit   | Rating Date | Trt-Eval Interval | PRM Data Type | # Subsamples, Dec.                 | -----<br>ARAHY<br>DIRTY -<br>YIELD<br>LBS/PLOT<br>Sep-23-19<br>143 DA-A<br>- 1 | -----<br>ARAHY<br>CLEAN -<br>YIELD<br>LBS/PLOT<br>Sep-23-19<br>143 DA-A<br>T1<br>- 1 | -----<br>ARAHY<br>PLOT -<br>YIELD<br>LBS/A<br>Sep-23-19<br>143 DA-A<br>TY2<br>- 0 |
| Trt Treatment   | Form                          | Form        | Rate             | Grow          | Appl        |                   |               |                                    | 7  | 8  | 9   |
| No.   | Name                          | Conc        | Type             | Rate          | Unit        | Stg               | Code          | Plot                               |  |  |   |
| 1   | GA-06G<br>NO TRIFLUDIMOXAZIN  |             |                  |               |             |                   |               | 101<br>204<br>302<br>403<br>Mean = | 25.0<br>21.2<br>24.0<br>24.1<br>23.6   | 24.5<br>20.8<br>23.5<br>23.6<br>23.1   | 7312<br>6201<br>7020<br>7049<br>6896  |
| 2   | GA-06G<br>TRIFLUDIMOXAZIN     | 4.17        | SC               | 0.685         | oz/a        | PRE               | A             | 102<br>203<br>304<br>401<br>Mean = | 25.2<br>23.0<br>23.1<br>22.0<br>23.3   | 24.7<br>22.5<br>22.6<br>21.6<br>22.9   | 7371<br>6727<br>6757<br>6435<br>6823  |
| 3   | GA-06G<br>TRIFLUDIMOXAZIN     | 4.17        | SC               | 1.03          | oz/a        | PRE               | A             | 103<br>202<br>301<br>404<br>Mean = | 24.5<br>23.2<br>23.6<br>23.1<br>23.6   | 24.0<br>22.7<br>23.1<br>22.6<br>23.1   | 7166<br>6786<br>6903<br>6757<br>6903  |
| 4   | GA-06G<br>TRIFLUDIMOXAZIN     | 4.17        | SC               | 2.06          | oz/a        | PRE               | A             | 104<br>201<br>303<br>402<br>Mean = | 25.5<br>20.8<br>23.1<br>22.8<br>23.1   | 25.0<br>20.4<br>22.6<br>22.3<br>22.6   | 7459<br>6084<br>6757<br>6669<br>6742  |
| 5   | GA-18RU<br>NO TRIFLUDIMOXAZIN |             |                  |               |             |                   |               | 105<br>208<br>307<br>406<br>Mean = | 25.5<br>24.0<br>23.6<br>.<br>24.4  | 25.0<br>23.5<br>23.1<br>.<br>23.9  | 7459<br>7020<br>6903<br>.<br>7127   |
| 6   | GA-18RU<br>TRIFLUDIMOXAZIN    | 4.17        | SC               | 0.685         | oz/a        | PRE               | A             | 106<br>207<br>308<br>405<br>Mean = | 25.0<br>25.0<br>25.1<br>22.3<br>24.4   | 24.5<br>24.5<br>24.6<br>21.9<br>23.9   | 7312<br>7312<br>7342<br>6523<br>7122  |
| 7   | GA-18RU<br>TRIFLUDIMOXAZIN    | 4.17        | SC               | 1.03          | oz/a        | PRE               | A             | 107<br>206<br>305<br>408<br>Mean = | 25.5<br>23.3<br>22.9<br>23.5<br>23.8   | 25.0<br>22.8<br>22.4<br>23.0<br>23.3   | 7459<br>6815<br>6698<br>6874<br>6961  |
| 8   | GA-18RU<br>TRIFLUDIMOXAZIN    | 4.17        | SC               | 2.06          | oz/a        | PRE               | A             | 108<br>205<br>306<br>407<br>Mean = | 23.8<br>22.7<br>22.6<br>.<br>23.0  | 23.3<br>22.2<br>22.1<br>.<br>22.6  | 6961<br>6640<br>6610<br>.<br>6737   |
| 9   | GA-16HO<br>NO TRIFLUDIMOXAZIN |             |                  |               |             |                   |               | 109<br>212<br>310<br>411<br>Mean = | 23.7<br>24.0<br>21.5<br>20.7<br>22.5   | 23.2<br>23.5<br>21.1<br>20.3<br>22.0   | 6932<br>7020<br>6289<br>6055<br>6574  |
| 10  | GA-16HO<br>TRIFLUDIMOXAZIN    | 4.17        | SC               | 0.685         | oz/a        | PRE               | A             | 110<br>211<br>309<br>412<br>Mean = | 22.7<br>23.5<br>21.7<br>21.4<br>22.3   | 22.2<br>23.0<br>21.3<br>21.0<br>21.9   | 6640<br>6874<br>6347<br>6259<br>6530  |
| 11  | GA-16HO<br>TRIFLUDIMOXAZIN    | 4.17        | SC               | 1.03          | oz/a        | PRE               | A             | 111<br>210<br>312<br>409<br>Mean = | 22.5<br>23.4<br>21.4<br>21.3<br>22.2   | 22.1<br>22.9<br>21.0<br>20.9<br>21.7   | 6581<br>6844<br>6259<br>6230<br>6479  |

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| PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H) |      |             |      |               |       |                 |           |           |      |      |
|--|------|-------------|------|---------------|-------|-----------------|-----------|-----------|------|------|
| WEED-FREE  |      |             |      |               |       |                 |           |           |      |      |
| Trial ID:  |      | PE-05-19    |      | Study Dir.:   |       | LARRY NEWSOME   |           |           |      |      |
| Location:  |      | PONDER FARM |      | Investigator: |       | Eric P. Prostko |           |           |      |      |
| Weed Code  |      |             |      |               |       | -----           | -----     | -----     |      |      |
| Crop Code  |      |             |      |               |       | ARAHY           | ARAHY     | ARAHY     |      |      |
| Part Rated   |      |             |      |               |       | DIRTY -         | CLEAN -   | PLOT -    |      |      |
| Rating Data Type   |      |             |      |               |       | YIELD           | YIELD     | YIELD     |      |      |
| Rating Unit  |      |             |      |               |       | LBS/PLOT        | LBS/PLOT  | LBS/A     |      |      |
| Rating Date  |      |             |      |               |       | Sep-23-19       | Sep-23-19 | Sep-23-19 |      |      |
| Trt-Eval Interval  |      |             |      |               |       | 143 DA-A        | 143 DA-A  | 143 DA-A  |      |      |
| PRM Data Type  |      |             |      |               |       |                 | T1        | TY2       |      |      |
| # Subsamples, Dec.                                       |      |             |      |               |       | - 1             | - 1       | - 0       |      |      |
| Trt Treatment  | Form | Form        | Rate | Grow          | Appl  |                 |           |           |      |      |
| No. Name   | Conc | Type        | Rate | Unit          | Stg   | Code            | Plot      |           |      |      |
|  |      |             |      |               |       |                 | 7         | 8         | 9    |      |
| 12 GA-16HO   |      |             |      |               |       |                 | 112       | 19.5      | 19.1 | 5704 |
| TRIFLUDIMOXAZIN  | 4.17 | SC          | 2.06 | oz/a          | PRE A | 209             | 21.8      | 21.4      | 6376 |      |
|  |      |             |      |               |       | 311             | 20.5      | 20.1      | 5996 |      |
|  |      |             |      |               |       | 410             | 19.7      | 19.3      | 5762 |      |
|  |      |             |      |               |       | Mean =          | 20.4      | 20.0      | 5960 |      |

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PEANUT VARIETY RESPONSE TO TRIFLUDIMOXAZIN (BAS-850-01H)  
WEED-FREE

Trial ID: PE-05-19 Study Dir.: LARRY NEWSOME  
Location: PONDER FARM Investigator: Eric P. Prostko

PRM Data Type

T1 = [7]\*0.98  
TY2 = 298.4667\*[8]