

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
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 | Rate      | Grow Stg | Appl Code | Amt Product to Measure | Diluent   | Rep 1 | Rep 2 | Rep 3 | Rep 4 |
|---------|---------------------|-----------|-----------|-----------|----------|-----------|------------------------|-----------|-------|-------|-------|-------|
| 1       | GA-06G<br>NO BRAKE  |           |           |           |          |           |                        | -<br>-    | 101   | 204   | 302   | 403   |
| 2       | GA-06G<br>BRAKE     | 1.2 SL    |           | 16.0 oz/a | PRE      | A         | 12.5 mL/mx             | 1487.5 mL | 102   | 203   | 304   | 401   |
| 3       | GA-06G<br>BRAKE     | 1.2 SL    |           | 32.0 oz/a | PRE      | A         | 25.0 mL/mx             | 1475 mL   | 103   | 202   | 301   | 404   |
| 4       | GA-06G<br>BRAKE     | 1.2 SL    |           | 64.0 oz/a | PRE      | A         | 49.99 mL/mx            | 1450.0 mL | 104   | 201   | 303   | 402   |
| 5       | GA-18RU<br>NO BRAKE |           |           |           |          |           |                        | -<br>-    | 105   | 208   | 307   | 406   |
| 6       | GA-18RU<br>BRAKE    | 1.2 SL    |           | 16.0 oz/a | PRE      | A         | 12.5 mL/mx             | 1487.5 mL | 106   | 207   | 308   | 405   |
| 7       | GA-18RU<br>BRAKE    | 1.2 SL    |           | 32.0 oz/a | PRE      | A         | 25.0 mL/mx             | 1475 mL   | 107   | 206   | 305   | 408   |
| 8       | GA-18RU<br>BRAKE    | 1.2 SL    |           | 64.0 oz/a | PRE      | A         | 49.99 mL/mx            | 1450.0 mL | 108   | 205   | 306   | 407   |
| 9       | GA-16HO<br>NO BRAKE |           |           |           |          |           |                        | -<br>-    | 109   | 212   | 310   | 411   |
| 10      | GA-16HO<br>BRAKE    | 1.2 SL    |           | 16.0 oz/a | PRE      | A         | 12.5 mL/mx             | 1487.5 mL | 110   | 211   | 309   | 412   |
| 11      | GA-16HO<br>BRAKE    | 1.2 SL    |           | 32.0 oz/a | PRE      | A         | 25.0 mL/mx             | 1475 mL   | 111   | 210   | 312   | 409   |
| 12      | GA-16HO<br>BRAKE    | 1.2 SL    |           | 64.0 oz/a | PRE      | A         | 49.99 mL/mx            | 1450.0 mL | 112   | 209   | 311   | 410   |

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

PROWL H2O @ 32 OZ/A + STRONGARM @ 0.45 OZ/A- (PRE) OVER ENTIRE TEST (05/07/21)  
(O6G/RU AFTER PLANT/HO BEFORE PLANT)  
CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A - 06/03/21

DIGGING DATE: 09/23/21  
HARVEST DATE: 09/28/21  
HARVEST MOISTURE:  
GA-06G = 11.7%  
GA-18RU = 10.6%  
GA-16HO = 9.3%  
YIELDS ADJUSTED TO 10%  
2% YIELD DEDUCTION FOR FM (ROCKS, LEAVES, STEMS, ETC.)

**SUMMARY:**

1) GENERALLY, THERE WAS NO INTERACTION BETWEEN PEANUT VARIETY AND BRAKE RATE (P>0.11) EXCEPT FOR BLEACHING AND STUNTING RATINGS ON MAY 21 (13 DAYS AFTER APPLICATION) AS FOLLOWS:.

- 32 AND 64 OZ/A OF BRAKE CAUSED SLIGHT TO MODERATE BLEACHING ON ALL VARIETIES WITH THE GREATEST AMOUNT OF BLEACHING OBSERVED ON GA-16HO.

-32 AND 64 OZ/A OF BRAKE CAUSED SLIGHT TO MODERATE STUNTING ON GA-18RU BUT ONLY 64 OZ/A CAUSED STUNTING ON GA-16HO. GA-06G WAS NOT AFFECTED.

2) LATER RATINGS FOR STUNTING AND BLEACHING INDICATED NO SPECIFIC VARIETY RESPONSES BUT RATE WAS SIGNIFICANT (64 OZ/A > 32 OZ/A > 16 OZ/A).

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- 3) PEANUT STANDS WERE LOWER WITH GA-18RU COMPARED TO OTHER VARIETIES.
- 4) PEANUT PLANT HEIGHTS WERE NOT DIFFERENT BETWEEN VARIETY OR BRAKE RATE ( $P > 0.25$ ).
- 5) GA-06G AND GA-18RU HAD SMALLER PLANT WIDTHS THAN GA-16HO.
- 6) PLANT WIDTHS WERE ONLY REDUCED BY THE 64 OZ/A RATE OF BRAKE.
- 7) NEITHER PEANUT VARIETY NOR BRAKE RATE HAD AN EFFECT ON YIELD ( $P > 0.18$ ).

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WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

**GENERAL TRIAL INFORMATION**

**Study Director:** KYLE BRISCOE      **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-7-21  
**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 LB/A 5-15-30 PPLNT; THIMET INFR; RANCONA VPD  
SEED TRT; 36"-9" TWIN ROWS; 1600 LBS/A GYPSUM

| Previous: Crops | Pesticides | Year |
|-----------------|------------|------|
| 1. SORGHUM      |            | 2020 |

**MAINTENANCE**

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

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

**SOIL DESCRIPTION**

**Texture:** SAND      **% OM:** 0.77      **% Sand:** 92      **% Silt:** 6      **% Clay:** 2  
**pH:** 6.0      **CEC:** 2.6      **Soil Name:** TIFTON      **Fertility Level:** GOOD

**MOISTURE CONDITIONS**

| On: Date | Time      | Amount | Unit | Type                     | Interval | Unit |
|----------|-----------|--------|------|--------------------------|----------|------|
| 1.       | May-8-21  | 0.4    | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 2.       | May-11-21 | 0.15   | IN   | RAINFALL                 |          |      |
| 3.       | May-12-21 | 0.6    | IN   | RAINFALL                 |          |      |
| 4.       | May-18-21 | 0.3    | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 5.       | May-24-21 | 0.5    | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 6.       | Jun-1-21  | 0.5    | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 7.       | Jun-4-21  | 0.45   | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 8.       | Jun-4-21  | 0.6    | IN   | RAINFALL                 |          |      |
| 9.       | Jun-6-21  | 0.4    | IN   | RAINFALL                 |          |      |
| 10.      | Jun-7-21  | 1.25   | IN   | RAINFALL                 |          |      |
| 11.      | Jun-8-21  | 0.15   | IN   | RAINFALL                 |          |      |
| 12.      | Jun-11-21 | 0.3    | IN   | RAINFALL                 |          |      |
| 13.      | Jun-15-21 | 0.3    | IN   | RAINFALL                 |          |      |
| 14.      | Jun-17-21 | 0.46   | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 15.      | Jun-20-21 | 1.0    | IN   | RAINFALL                 |          |      |
| 16.      | Jun-21-21 | 2.4    | IN   | RAINFALL                 |          |      |

**Overall Moisture Conditions:** \_\_\_\_\_

**Closest Weather Station:** \_\_\_\_\_      **Distance:** \_\_\_\_\_      **Unit:** \_\_\_\_\_

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|                      |           | APPLICATION DESCRIPTION |       |       |       |       |       |
|----------------------|-----------|-------------------------|-------|-------|-------|-------|-------|
|                      |           | A                       | B     | C     | D     | E     | F     |
| Application Date:    | May-8-21  | _____                   | _____ | _____ | _____ | _____ | _____ |
| Time of Day:         | 7:00 AM   | _____                   | _____ | _____ | _____ | _____ | _____ |
| Application Method:  | BROADCAST | _____                   | _____ | _____ | _____ | _____ | _____ |
| Application Timing:  | PRE       | _____                   | _____ | _____ | _____ | _____ | _____ |
| Applic. Placement:   | SOIL      | _____                   | _____ | _____ | _____ | _____ | _____ |
| Air Temp., Unit:     | 48 F      | _____                   | _____ | _____ | _____ | _____ | _____ |
| % Relative Humidity: | 96        | _____                   | _____ | _____ | _____ | _____ | _____ |
| Wind Velocity, Unit: | 0 MPH     | _____                   | _____ | _____ | _____ | _____ | _____ |
| Dew Presence (Y/N):  | Y         | _____                   | _____ | _____ | _____ | _____ | _____ |
| Water Hardness:      | --        | _____                   | _____ | _____ | _____ | _____ | _____ |
| Soil Temp., Unit:    | 60 F      | _____                   | _____ | _____ | _____ | _____ | _____ |
| Soil Moisture:       | OPTIMUM   | _____                   | _____ | _____ | _____ | _____ | _____ |
| % Cloud Cover:       | 0         | _____                   | _____ | _____ | _____ | _____ | _____ |

|               |       | 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:   | 35 PSI   | _____                 | _____ | _____ | _____ | _____ | _____ |
| 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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Location: PONDER FARM    Investigator: Eric P. Prostko

| Weed Code  | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Crop Code  |                |                |                |                |                |                |                |
| Part Rated                                       |                |                |                |                |                |                |                |
| Rating Data Type                                 | Stand          | Stand          | Bleachin       | Stunt          | Stand          | Stunt          | Bleach         |
| Rating Unit                                      | #/5 ft         | #/5ft          | #/5ft          | %              | #/5ft          | %              | %              |
| Rating Date                                      | May-17-21      | May-21-21      | May-21-21      | May-21-21      | Jun-4-21       | Jun-4-21       | Jun-4-21       |
| Trt-Eval Interval                                | 9 DA-A         | 13 DA-A        | 13 DA-A        | 13 DA-A        | 27 DA-A        | 27 DA-A        | 27 DA-A        |
| Trt No.  | 1              | 2              | 3              | 4              | 5              | 6              | 7              |
| Treatment Name                                   |                |                |                |                |                |                |                |
| Form Conc  |                |                |                |                |                |                |                |
| Form Type  |                |                |                |                |                |                |                |
| Rate   |                |                |                |                |                |                |                |
| Grow Unit  |                |                |                |                |                |                |                |
| Appl Stg   |                |                |                |                |                |                |                |
| Code   |                |                |                |                |                |                |                |
| <b>TABLE OF R MEANS</b>                          |                |                |                |                |                |                |                |
| Replicate 1                                      | 14.3           | 24.0           | 2.3            | 3.3            | 24.9           | 6.7            | 6.3            |
| Replicate 2                                      | 15.2           | 24.1           | 2.6            | 3.3            | 26.1           | 3.8            | 5.8            |
| Replicate 3                                      | 14.3           | 23.5           | 3.8            | 4.2            | 24.9           | 3.3            | 7.1            |
| Replicate 4                                      | 14.3           | 24.5           | 4.2            | 2.5            | 25.0           | 4.6            | 8.3            |
| <b>TABLE OF A (VARIETY) MEANS</b>                |                |                |                |                |                |                |                |
| 1 GA-06G   | 18.8 a         | 26.3 a         | 2.8 a          | 1.6 b          | 27.1 a         | 4.4 a          | 6.9 a          |
| 2 GA-18RU  | 6.9 b          | 19.2 b         | 2.4 a          | 6.9 a          | 21.5 b         | 5.0 a          | 5.6 a          |
| 3 GA-16HO  | 17.9 a         | 26.6 a         | 4.4 a          | 1.6 b          | 27.1 a         | 4.4 a          | 8.1 a          |
| LSD P=.10  | 2.33           | 2.13           | 1.90           | 2.41           | 0.78           | 2.14           | 3.44           |
| Standard Deviation                               | 3.40           | 3.10           | 2.76           | 3.51           | 1.13           | 3.12           | 5.00           |
| CV   | 23.39          | 12.89          | 86.03          | 105.33         | 4.49           | 68.03          | 72.73          |
| <b>TABLE OF B (BRAKE RATE) MEANS</b>             |                |                |                |                |                |                |                |
| 1 NO BRAKE                                       | 14.8 a         | 25.8 a         | 0.0 c          | 0.0 c          | 25.3 a         | 0.0 d          | 0.0 d          |
| 2 BRAKE  | 15.6 a         | 23.7 bc        | 0.2 c          | 2.9 b          | 26.6 a         | 2.5 c          | 3.8 c          |
| 3 BRAKE  | 14.8 a         | 24.0 b         | 3.8 b          | 3.3 b          | 25.4 a         | 4.6 b          | 7.5 b          |
| 4 BRAKE  | 12.9 a         | 22.6 c         | 8.9 a          | 7.1 a          | 23.7 a         | 11.3 a         | 16.3 a         |
| LSD P=.10  | 2.37           | 1.35           | 1.76           | 1.35           | 2.30           | 1.91           | 1.65           |
| Standard Deviation                               | 3.17           | 1.80           | 2.35           | 1.80           | 3.07           | 2.55           | 2.20           |
| CV   | 21.82          | 7.50           | 73.28          | 54.01          | 12.18          | 55.55          | 32.07          |
| <b>TABLE OF A (VARIETY) B (BRAKE RATE) MEANS</b> |                |                |                |                |                |                |                |
| 1 GA-06G   | 18.3 a         | 27.0 a         | 0.0 d          | 0.0 d          | 27.0 a         | 0.0 a          | 0.0 a          |
| 1 NO BRAKE                                       |                |                |                |                |                |                |                |
| 2 GA-18RU  | 8.0 a          | 22.0 a         | 0.0 d          | 0.0 d          | 20.8 a         | 0.0 a          | 0.0 a          |
| 1 NO BRAKE                                       |                |                |                |                |                |                |                |
| 3 GA-16HO  | 18.0 a         | 28.5 a         | 0.0 d          | 0.0 d          | 28.0 a         | 0.0 a          | 0.0 a          |
| 1 NO BRAKE                                       |                |                |                |                |                |                |                |
| 1 GA-06G   | 20.8 a         | 26.3 a         | 0.3 d          | 1.3 d          | 28.5 a         | 3.8 a          | 3.8 a          |
| 2 BRAKE  | 1.2 SL         | 16.0 oz/a      | PRE            | A              |                |                |                |
| 2 GA-18RU  | 7.8 a          | 19.0 a         | 0.3 d          | 7.5 b          | 23.3 a         | 2.5 a          | 3.8 a          |
| 2 BRAKE  | 1.2 SL         | 16.0 oz/a      | PRE            | A              |                |                |                |
| 3 GA-16HO  | 18.3 a         | 25.8 a         | 0.0 d          | 0.0 d          | 28.0 a         | 1.3 a          | 3.8 a          |
| 2 BRAKE  | 1.2 SL         | 16.0 oz/a      | PRE            | A              |                |                |                |
| 1 GA-06G   | 19.3 a         | 27.0 a         | 2.5 cd         | 2.5 cd         | 26.8 a         | 3.8 a          | 7.5 a          |
| 3 BRAKE  | 1.2 SL         | 32.0 oz/a      | PRE            | A              |                |                |                |
| 2 GA-18RU  | 6.8 a          | 19.5 a         | 5.3 c          | 6.3 b          | 22.8 a         | 3.8 a          | 6.3 a          |
| 3 BRAKE  | 1.2 SL         | 32.0 oz/a      | PRE            | A              |                |                |                |
| 3 GA-16HO  | 18.5 a         | 25.5 a         | 3.5 c          | 1.3 d          | 26.8 a         | 6.3 a          | 8.8 a          |
| 3 BRAKE  | 1.2 SL         | 32.0 oz/a      | PRE            | A              |                |                |                |
| 1 GA-06G   | 16.8 a         | 25.0 a         | 8.5 b          | 2.5 cd         | 26.0 a         | 10.0 a         | 16.3 a         |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE            | A              |                |                |                |
| 2 GA-18RU  | 5.3 a          | 16.3 a         | 4.0 c          | 13.8 a         | 19.3 a         | 13.8 a         | 12.5 a         |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE            | A              |                |                |                |
| 3 GA-16HO  | 16.8 a         | 26.5 a         | 14.3 a         | 5.0 bc         | 25.8 a         | 10.0 a         | 20.0 a         |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE            | A              |                |                |                |

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 BRAKE<br>WEED-FREE - YEAR 3 |           |                               |           |           |          |          |          |
|--|-----------|-------------------------------|-----------|-----------|----------|----------|----------|
| Trial ID: PE-04-21                                     |           | Study Dir.: KYLE BRISCOE      |           |           |          |          |          |
| Location: PONDER FARM                                  |           | Investigator: Eric P. Prostko |           |           |          |          |          |
| Weed Code  | -----     | -----                         | -----     | -----     | -----    | -----    | -----    |
| Crop Code  | Arahy     | Arahy                         | Arahy     | Arahy     | Arahy    | Arahy    | Arahy    |
| Part Rated   |           |                               |           |           |          |          |          |
| Rating Data Type                                       | Stand     | Stand                         | Bleachin  | Stunt     | Stand    | Stunt    | Bleach   |
| Rating Unit  | #/5 ft    | #/5ft                         | #/5ft     | %         | #/5ft    | %        | %        |
| Rating Date  | May-17-21 | May-21-21                     | May-21-21 | May-21-21 | Jun-4-21 | Jun-4-21 | Jun-4-21 |
| Trt-Eval Interval                                      | 9 DA-A    | 13 DA-A                       | 13 DA-A   | 13 DA-A   | 27 DA-A  | 27 DA-A  | 27 DA-A  |
| Trt No.  | 1         | 2                             | 3         | 4         | 5        | 6        | 7        |
| Treatment Name   |           |                               |           |           |          |          |          |
| Form Conc  |           |                               |           |           |          |          |          |
| Form Type  |           |                               |           |           |          |          |          |
| Rate   |           |                               |           |           |          |          |          |
| Grow Unit  |           |                               |           |           |          |          |          |
| Appl Stg   |           |                               |           |           |          |          |          |
| Code   |           |                               |           |           |          |          |          |
| LSD P=.10  | 3.29      | 2.82                          | 2.77      | 3.30      | 2.27     | 2.77     | 3.23     |
| Standard Deviation                                     | 2.68      | 2.30                          | 2.26      | 2.69      | 1.85     | 2.26     | 2.64     |
| CV   | 18.47     | 9.59                          | 70.51     | 80.69     | 7.34     | 49.24    | 38.33    |

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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Location: PONDER FARM      Investigator: Eric P. Prostko

|  | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Weed Code  |                |                |                |                |                |                |                |                |
| Crop Code  |                |                |                |                |                |                |                |                |
| Part Rated                                       |                |                |                |                |                |                |                |                |
| Rating Data Type                                 | Necrosis       | Stunt          | Bleach         | Lapping        | Ht1            | Ht2            | Ht3            | Ht4            |
| Rating Unit                                      | %              | %              | %              | %              | In             | In             | In             | In             |
| Rating Date                                      | Jun-4-21       | Jul-1-21       | Jul-1-21       | Jul-1-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       |
| Trt-Eval Interval                                | 27 DA-A        | 54 DA-A        | 54 DA-A        | 54 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        |
| Trt No.  | 8              | 9              | 10             | 11             | 12             | 13             | 14             | 15             |
| Treatment Name                                   |                |                |                |                |                |                |                |                |
| Form Conc  |                |                |                |                |                |                |                |                |
| Form Type  |                |                |                |                |                |                |                |                |
| Rate   |                |                |                |                |                |                |                |                |
| Grow Unit  |                |                |                |                |                |                |                |                |
| Appl Stg   |                |                |                |                |                |                |                |                |
| Code   |                |                |                |                |                |                |                |                |
| <b>TABLE OF R MEANS</b>                          |                |                |                |                |                |                |                |                |
| Replicate 1                                      | 3.3            | 5.8            | 3.3            | 26.7           | 8.3            | 8.1            | 9.0            | 8.3            |
| Replicate 2                                      | 3.3            | 1.7            | 2.5            | 34.6           | 8.6            | 8.8            | 9.0            | 9.7            |
| Replicate 3                                      | 3.8            | 5.0            | 2.5            | 25.8           | 7.8            | 8.8            | 9.4            | 10.1           |
| Replicate 4                                      | 3.8            | 5.8            | 2.5            | 42.5           | 8.0            | 8.3            | 9.2            | 9.8            |
| <b>TABLE OF A (VARIETY) MEANS</b>                |                |                |                |                |                |                |                |                |
| 1 GA-06G   | 3.1 a          | 4.4 a          | 3.1 a          | 22.8 b         | 8.7 a          | 8.9 a          | 9.4 a          | 9.3 ab         |
| 2 GA-18RU  | 3.8 a          | 5.3 a          | 2.8 a          | 24.7 b         | 7.9 a          | 8.1 a          | 8.8 a          | 9.1 b          |
| 3 GA-16HO  | 3.8 a          | 4.1 a          | 2.2 a          | 49.7 a         | 7.9 a          | 8.4 a          | 9.3 a          | 10.0 a         |
| LSD P=.10  | 1.15           | 1.69           | 1.31           | 10.10          | 1.33           | 1.17           | 1.01           | 0.71           |
| Standard Deviation                               | 1.67           | 2.47           | 1.91           | 14.70          | 1.94           | 1.70           | 1.47           | 1.04           |
| CV   | 47.06          | 53.78          | 70.50          | 45.36          | 23.65          | 20.02          | 16.12          | 10.97          |
| <b>TABLE OF B (BRAKE RATE) MEANS</b>             |                |                |                |                |                |                |                |                |
| 1 NO BRAKE                                       | 0.0 c          | 0.0 c          | 0.0 c          | 46.7 a         | 8.3 a          | 8.5 a          | 9.2 ab         | 9.8 a          |
| 2 BRAKE  | 1.2 SL         | 16.0 oz/a      | PRE A          | 1.3 c          | 0.8 bc         | 0.0 c          | 43.8 ab        | 8.4 a          |
| 3 BRAKE  | 1.2 SL         | 32.0 oz/a      | PRE A          | 8.4 a          | 8.9 a          | 9.6 a          | 9.7 a          | 9.7 a          |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE A          | 4.6 b          | 3.8 b          | 2.9 b          | 29.2 b         | 7.8 a          |
|  | 8.3 a          | 13.8 a         | 7.9 a          | 10.0 c         | 8.3 a          | 8.4 a          | 8.3 b          | 8.6 a          |
| LSD P=.10  | 2.19           | 3.49           | 1.19           | 15.95          | 0.66           | 0.77           | 0.92           | 1.06           |
| Standard Deviation                               | 2.93           | 4.66           | 1.60           | 21.31          | 0.88           | 1.03           | 1.23           | 1.42           |
| CV   | 82.63          | 101.77         | 58.92          | 65.79          | 10.79          | 12.13          | 13.48          | 14.99          |
| <b>TABLE OF A (VARIETY) B (BRAKE RATE) MEANS</b> |                |                |                |                |                |                |                |                |
| 1 GA-06G   | 0.0 a          | 0.0 a          | 0.0 a          | 37.5 a         | 8.3 a          | 8.3 a          | 9.5 a          | 9.5 a          |
| 1 NO BRAKE                                       |                |                |                |                |                |                |                |                |
| 2 GA-18RU  | 0.0 a          | 0.0 a          | 0.0 a          | 36.3 a         | 8.0 a          | 8.5 a          | 8.8 a          | 9.5 a          |
| 1 NO BRAKE                                       |                |                |                |                |                |                |                |                |
| 3 GA-16HO  | 0.0 a          | 0.0 a          | 0.0 a          | 66.3 a         | 8.5 a          | 8.8 a          | 9.3 a          | 10.3 a         |
| 1 NO BRAKE                                       |                |                |                |                |                |                |                |                |
| 1 GA-06G   | 0.0 a          | 0.0 a          | 0.0 a          | 27.5 a         | 8.8 a          | 9.5 a          | 10.0 a         | 10.0 a         |
| 2 BRAKE  | 1.2 SL         | 16.0 oz/a      | PRE A          | 2.5 a          | 2.5 a          | 0.0 a          | 37.5 a         | 8.0 a          |
| 2 GA-18RU  | 1.2 SL         | 16.0 oz/a      | PRE A          | 1.3 a          | 0.0 a          | 0.0 a          | 66.3 a         | 8.5 a          |
| 2 BRAKE  | 1.2 SL         | 16.0 oz/a      | PRE A          | 5.0 a          | 5.0 a          | 3.8 a          | 18.8 a         | 8.8 a          |
| 3 GA-16HO  | 1.2 SL         | 16.0 oz/a      | PRE A          | 3.8 a          | 2.5 a          | 3.8 a          | 20.0 a         | 7.8 a          |
| 3 BRAKE  | 1.2 SL         | 32.0 oz/a      | PRE A          | 5.0 a          | 3.8 a          | 1.3 a          | 48.8 a         | 7.0 a          |
| 3 GA-16HO  | 1.2 SL         | 32.0 oz/a      | PRE A          | 7.5 a          | 12.5 a         | 8.8 a          | 7.5 a          | 9.0 a          |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE A          | 8.8 a          | 16.3 a         | 7.5 a          | 5.0 a          | 8.0 a          |
| 2 GA-18RU  | 1.2 SL         | 64.0 oz/a      | PRE A          | 8.8 a          | 12.5 a         | 7.5 a          | 17.5 a         | 7.8 a          |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE A          | 8.8 a          | 12.5 a         | 7.5 a          | 17.5 a         | 7.8 a          |
| 3 GA-16HO  | 1.2 SL         | 64.0 oz/a      | PRE A          | 8.8 a          | 12.5 a         | 7.5 a          | 17.5 a         | 7.8 a          |
| 4 BRAKE  | 1.2 SL         | 64.0 oz/a      | PRE A          | 8.8 a          | 12.5 a         | 7.5 a          | 17.5 a         | 7.8 a          |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

|                    | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Weed Code          |                |                |                |                |                |                |                |                |
| Crop Code          |                |                |                |                |                |                |                |                |
| Part Rated         |                |                |                |                |                |                |                |                |
| Rating Data Type   | Necrosis       | Stunt          | Bleach         | Lapping        | Ht1            | Ht2            | Ht3            | Ht4            |
| Rating Unit        | %              | %              | %              | %              | In             | In             | In             | In             |
| Rating Date        | Jun-4-21       | Jul-1-21       | Jul-1-21       | Jul-1-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       |
| Trt-Eval Interval  | 27 DA-A        | 54 DA-A        | 54 DA-A        | 54 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        |
| Trt No.            | 8              | 9              | 10             | 11             | 12             | 13             | 14             | 15             |
| Treatment Name     |                |                |                |                |                |                |                |                |
| Form Conc          |                |                |                |                |                |                |                |                |
| Form Type          |                |                |                |                |                |                |                |                |
| Rate               |                |                |                |                |                |                |                |                |
| Grow Unit          |                |                |                |                |                |                |                |                |
| Appl Stg           |                |                |                |                |                |                |                |                |
| Code               |                |                |                |                |                |                |                |                |
| LSD P=.10          | 1.56           | 5.12           | 2.49           | 21.71          | 1.79           | 1.71           | 1.49           | 1.45           |
| Standard Deviation | 1.27           | 4.17           | 2.03           | 17.70          | 1.46           | 1.40           | 1.22           | 1.18           |
| CV                 | 35.94          | 91.06          | 74.84          | 54.65          | 17.79          | 16.46          | 13.30          | 12.47          |

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
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# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

| Weed Code  | -----    | -----    | -----    | -----    | -----    | -----    | -----    | -----    |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| Crop Code  | Arahy    | Arahy    | Arahy    | Arahy    | Arahy    | Arahy    | Arahy    | Arahy    |
| Part Rated                                       |          | AVG, -   |          |          |          |          |          | AVG, -   |
| Rating Data Type                                 | Ht5      | HEIGHT   | Wt1      | Wt2      | Wt3      | Wt4      | Wt5      | WIDTH    |
| Rating Unit                                      | In       | In       | In       | In       | In       | In       | In       | In       |
| Rating Date                                      | Jul-6-21 | Jul-6-21 | Jul-6-21 | Jul-6-21 | Jul-6-21 | Jul-6-21 | Jul-6-21 | Jul-6-21 |
| Trt-Eval Interval                                | 59 DA-A  | 59 DA-A  | 59 DA-A  | 59 DA-A  | 59 DA-A  | 59 DA-A  | 59 DA-A  | 59 DA-A  |
| Trt No.  | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       |
| Treatment Name                                   |          |          |          |          |          |          |          |          |
| Form Conc  |          |          |          |          |          |          |          |          |
| Form Type  |          |          |          |          |          |          |          |          |
| Rate   |          |          |          |          |          |          |          |          |
| Grow Unit  |          |          |          |          |          |          |          |          |
| Appl Stg   |          |          |          |          |          |          |          |          |
| Code   |          |          |          |          |          |          |          |          |
| <b>TABLE OF R MEANS</b>                          |          |          |          |          |          |          |          |          |
| Replicate 1                                      | 8.6      | 8.5      | 24.4     | 26.6     | 27.6     | 28.3     | 29.8     | 27.3     |
| Replicate 2                                      | 9.8      | 9.2      | 26.9     | 27.9     | 29.8     | 30.8     | 30.8     | 29.2     |
| Replicate 3                                      | 9.5      | 9.1      | 24.6     | 26.6     | 28.8     | 30.0     | 30.4     | 28.1     |
| Replicate 4                                      | 10.5     | 9.1      | 24.8     | 27.1     | 29.6     | 30.2     | 29.9     | 28.3     |
| <b>TABLE OF A (VARIETY) MEANS</b>                |          |          |          |          |          |          |          |          |
| 1 GA-06G   | 9.4 a    | 9.2 a    | 23.1 b   | 26.4 b   | 28.3 b   | 29.1 b   | 29.7 a   | 27.3 b   |
| 2 GA-18RU  | 9.1 a    | 8.6 a    | 24.8 b   | 26.6 b   | 28.2 b   | 29.5 b   | 30.2 a   | 27.9 b   |
| 3 GA-16HO  | 10.2 a   | 9.2 a    | 27.6 a   | 28.1 a   | 30.3 a   | 30.8 a   | 30.8 a   | 29.5 a   |
| LSD P=.10  | 1.50     | 0.89     | 2.33     | 1.08     | 1.64     | 0.61     | 1.30     | 0.95     |
| Standard Deviation                               | 2.18     | 1.29     | 3.39     | 1.57     | 2.38     | 0.89     | 1.89     | 1.38     |
| CV   | 22.79    | 14.42    | 13.47    | 5.82     | 8.24     | 2.97     | 6.24     | 4.90     |
| <b>TABLE OF B (BRAKE RATE) MEANS</b>             |          |          |          |          |          |          |          |          |
| 1 NO BRAKE                                       | 9.5 a    | 9.0 a    | 27.0 ab  | 27.8 a   | 30.0 a   | 30.3 a   | 31.3 a   | 29.3 a   |
| 2 BRAKE 1.2 SL 16.0 oz/a PRE A                   | 10.0 a   | 9.3 a    | 27.1 a   | 28.6 a   | 30.4 a   | 31.3 a   | 31.2 a   | 29.7 a   |
| 3 BRAKE 1.2 SL 32.0 oz/a PRE A                   | 9.7 a    | 9.0 a    | 24.3 bc  | 27.8 a   | 29.5 a   | 30.6 a   | 30.2 ab  | 28.5 a   |
| 4 BRAKE 1.2 SL 64.0 oz/a PRE A                   | 9.2 a    | 8.5 a    | 22.3 c   | 24.0 b   | 25.8 b   | 27.2 b   | 28.3 b   | 25.5 b   |
| LSD P=.10  | 1.34     | 0.67     | 2.71     | 1.76     | 1.79     | 1.58     | 1.97     | 1.42     |
| Standard Deviation                               | 1.79     | 0.89     | 3.62     | 2.36     | 2.39     | 2.11     | 2.63     | 1.90     |
| CV   | 18.68    | 9.92     | 14.40    | 8.71     | 8.27     | 7.07     | 8.70     | 6.74     |
| <b>TABLE OF A (VARIETY) B (BRAKE RATE) MEANS</b> |          |          |          |          |          |          |          |          |
| 1 GA-06G 1 NO BRAKE                              | 7.8 a    | 8.7 a    | 25.5 a   | 27.8 a   | 29.8 a   | 29.0 a   | 30.5 a   | 28.5 a   |
| 2 GA-18RU 1 NO BRAKE                             | 9.8 a    | 8.9 a    | 25.3 a   | 27.0 a   | 28.3 a   | 30.0 a   | 31.3 a   | 28.4 a   |
| 3 GA-16HO 1 NO BRAKE                             | 11.0 a   | 9.6 a    | 30.3 a   | 28.5 a   | 32.0 a   | 31.8 a   | 32.3 a   | 31.0 a   |
| 1 GA-06G 2 BRAKE 1.2 SL 16.0 oz/a PRE A          | 10.8 a   | 9.8 a    | 24.8 a   | 26.8 a   | 29.8 a   | 31.0 a   | 31.8 a   | 28.8 a   |
| 2 GA-18RU 2 BRAKE 1.2 SL 16.0 oz/a PRE A         | 9.3 a    | 8.8 a    | 26.0 a   | 28.0 a   | 29.5 a   | 30.8 a   | 29.8 a   | 28.8 a   |
| 3 GA-16HO 2 BRAKE 1.2 SL 16.0 oz/a PRE A         | 10.0 a   | 9.4 a    | 30.5 a   | 31.0 a   | 32.0 a   | 32.0 a   | 32.0 a   | 31.5 a   |
| 1 GA-06G 3 BRAKE 1.2 SL 32.0 oz/a PRE A          | 10.0 a   | 9.4 a    | 19.3 a   | 27.3 a   | 28.5 a   | 30.0 a   | 28.3 a   | 26.7 a   |
| 2 GA-18RU 3 BRAKE 1.2 SL 32.0 oz/a PRE A         | 9.0 a    | 8.7 a    | 25.5 a   | 27.3 a   | 29.5 a   | 30.5 a   | 30.8 a   | 28.7 a   |
| 3 GA-16HO 3 BRAKE 1.2 SL 32.0 oz/a PRE A         | 10.0 a   | 8.9 a    | 28.3 a   | 29.0 a   | 30.5 a   | 31.3 a   | 31.5 a   | 30.1 a   |
| 1 GA-06G 4 BRAKE 1.2 SL 64.0 oz/a PRE A          | 9.3 a    | 8.8 a    | 23.0 a   | 24.0 a   | 25.0 a   | 26.5 a   | 28.3 a   | 25.4 a   |
| 2 GA-18RU 4 BRAKE 1.2 SL 64.0 oz/a PRE A         | 8.5 a    | 8.1 a    | 22.5 a   | 24.3 a   | 25.5 a   | 26.8 a   | 29.0 a   | 25.6 a   |
| 3 GA-16HO 4 BRAKE 1.2 SL 64.0 oz/a PRE A         | 9.8 a    | 8.8 a    | 21.3 a   | 23.8 a   | 26.8 a   | 28.3 a   | 27.5 a   | 25.5 a   |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

|                    | -----<br>Arahy | -----<br>Arahy<br>AVG, - | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy |
|--------------------|----------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Weed Code          |                |                          |                |                |                |                |                |                |
| Crop Code          |                |                          |                |                |                |                |                |                |
| Part Rated         |                |                          |                |                |                |                |                |                |
| Rating Data Type   | Ht5            | HEIGHT                   | Wt1            | Wt2            | Wt3            | Wt4            | Wt5            | WIDTH          |
| Rating Unit        | In             | In                       | In             | In             | In             | In             | In             | In             |
| Rating Date        | Jul-6-21       | Jul-6-21                 | Jul-6-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       | Jul-6-21       |
| Trt-Eval Interval  | 59 DA-A        | 59 DA-A                  | 59 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        | 59 DA-A        |
| Trt No.            | 16             | 17                       | 18             | 19             | 20             | 21             | 22             | 23             |
| Treatment Name     |                |                          |                |                |                |                |                |                |
| Form Conc          |                |                          |                |                |                |                |                |                |
| Form Type          |                |                          |                |                |                |                |                |                |
| Rate               |                |                          |                |                |                |                |                |                |
| Grow Unit          |                |                          |                |                |                |                |                |                |
| Appl Stg           |                |                          |                |                |                |                |                |                |
| Code               |                |                          |                |                |                |                |                |                |
| LSD P=.10          | 2.11           | 1.20                     | 5.25           | 3.30           | 2.11           | 1.76           | 2.31           | 2.16           |
| Standard Deviation | 1.72           | 0.98                     | 4.28           | 2.69           | 1.72           | 1.44           | 1.89           | 1.76           |
| CV                 | 18.00          | 10.90                    | 17.01          | 9.96           | 5.94           | 4.83           | 6.24           | 6.24           |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

| Weed Code  | -----<br>ARAHY<br>DIRTY, -<br>YIELD<br>LBS/PLOT | -----<br>ARAHY<br>CLEAN, -<br>YIELD<br>LBS/PLOT | -----<br>ARAHY<br>MOISTURE<br>% | -----<br>ARAHY<br>CLEAN, -<br>YIELD<br>LBS/A |
|--|---|---|---------------------------------|--|
| Crop Code  |   |   |                                 |  |
| Part Rated                                       |   |   |                                 |  |
| Rating Data Type                                 |   |   |                                 |  |
| Rating Unit                                      |   |   |                                 |  |
| Rating Date                                      | Sep-28-21                                       | Sep-28-21                                       | Sep-28-21                       | Sep-28-21                                    |
| Trt-Eval Interval                                | 143 DA-A  | 143 DA-A  | 143 DA-A                        | 143 DA-A                                     |
| Trt No.  | 24  | 25  | 26                              | 27   |
| Treatment Name                                   |   |   |                                 |  |
| Form Conc  |   |   |                                 |  |
| Form Type  |   |   |                                 |  |
| Rate   |   |   |                                 |  |
| Grow Unit  |   |   |                                 |  |
| Appl Stg   |   |   |                                 |  |
| Code   |   |   |                                 |  |
| <b>TABLE OF R MEANS</b>                          |   |   |                                 |  |
| Replicate 1                                      | 22.6  | 22.2  | 10.5                            | 6404   |
| Replicate 2                                      | 22.7  | 22.3  | 10.5                            | 6426   |
| Replicate 3                                      | 21.4  | 20.9  | 10.5                            | 6045   |
| Replicate 4                                      | 20.8  | 20.4  | 10.5                            | 5876   |
| <b>TABLE OF A (VARIETY) MEANS</b>                |   |   |                                 |  |
| 1 GA-06G   | 21.8 a  | 21.4 a  | 11.7 a                          | 6096 a                                       |
| 2 GA-18RU  | 22.6 a  | 22.1 a  | 10.6 b                          | 6382 a                                       |
| 3 GA-16HO  | 21.2 a  | 20.8 a  | 9.3 c                           | 6086 a                                       |
| LSD P=.10  | 1.09  | 1.07  | .                               | 308.9  |
| Standard Deviation                               | 1.59  | 1.56  | 0.00                            | 449.6  |
| CV   | 7.26  | 7.26  | 0.00                            | 7.3  |
| <b>TABLE OF B (BRAKE RATE) MEANS</b>             |   |   |                                 |  |
| 1 NO BRAKE                                       | 21.9 a  | 21.5 a  | 10.5 a                          | 6195 a                                       |
| 2 BRAKE  | 22.4 a  | 22.0 a  | 10.5 a                          | 6346 a                                       |
| 3 BRAKE  | 21.8 a  | 21.4 a  | 10.5 a                          | 6170 a                                       |
| 4 BRAKE  | 21.4 a  | 20.9 a  | 10.5 a                          | 6040 a                                       |
| LSD P=.10  | 1.39  | 1.36  | .                               | 394.2  |
| Standard Deviation                               | 1.86  | 1.82  | 0.00                            | 526.8  |
| CV   | 8.49  | 8.49  | 0.00                            | 8.5  |
| <b>TABLE OF A (VARIETY) B (BRAKE RATE) MEANS</b> |   |   |                                 |  |
| 1 GA-06G<br>1 NO BRAKE                           | 22.2 a  | 21.7 a  | 11.7 a                          | 6192 a                                       |
| 2 GA-18RU<br>1 NO BRAKE                          | 22.1 a  | 21.7 a  | 10.6 b                          | 6255 a                                       |
| 3 GA-16HO<br>1 NO BRAKE                          | 21.4 a  | 21.0 a  | 9.3 c                           | 6138 a                                       |
| 1 GA-06G<br>2 BRAKE                              | 21.9 a  | 21.4 a  | 11.7 a                          | 6101 a                                       |
| 2 GA-18RU<br>2 BRAKE                             | 23.7 a  | 23.2 a  | 10.6 b                          | 6686 a                                       |
| 3 GA-16HO<br>2 BRAKE                             | 21.8 a  | 21.4 a  | 9.3 c                           | 6252 a                                       |
| 1 GA-06G<br>3 BRAKE                              | 22.1 a  | 21.7 a  | 11.7 a                          | 6178 a                                       |
| 2 GA-18RU<br>3 BRAKE                             | 22.7 a  | 22.3 a  | 10.6 b                          | 6424 a                                       |
| 3 GA-16HO<br>3 BRAKE                             | 20.6 a  | 20.2 a  | 9.3 c                           | 5908 a                                       |
| 1 GA-06G<br>4 BRAKE                              | 21.2 a  | 20.8 a  | 11.7 a                          | 5912 a                                       |
| 2 GA-18RU<br>4 BRAKE                             | 21.8 a  | 21.4 a  | 10.6 b                          | 6163 a                                       |
| 3 GA-16HO<br>4 BRAKE                             | 21.1 a  | 20.7 a  | 9.3 c                           | 6044 a                                       |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

|                    | -----<br>ARAHY<br>DIRTY, -<br>YIELD<br>LBS/PLOT | -----<br>ARAHY<br>CLEAN, -<br>YIELD<br>LBS/PLOT | -----<br>ARAHY<br>MOISTURE<br>% | -----<br>ARAHY<br>CLEAN, -<br>YIELD<br>LBS/A |
|--------------------|---|---|---------------------------------|--|
| Weed Code          |   |   |                                 |  |
| Crop Code          |   |   |                                 |  |
| Part Rated         |   |   |                                 |  |
| Rating Data Type   |   |   |                                 |  |
| Rating Unit        |   |   |                                 |  |
| Rating Date        | Sep-28-21                                       | Sep-28-21                                       | Sep-28-21                       | Sep-28-21                                    |
| Trt-Eval Interval  | 143 DA-A  | 143 DA-A  | 143 DA-A                        | 143 DA-A                                     |
| Trt No.            | 24  | 25  | 26                              | 27   |
| Treatment Name     |   |   |                                 |  |
| Form Conc          |   |   |                                 |  |
| Form Type          |   |   |                                 |  |
| Rate               |   |   |                                 |  |
| Grow Unit          |   |   |                                 |  |
| Appl Stg           |   |   |                                 |  |
| Code               |   |   |                                 |  |
| LSD P=.10          | 1.06  | 1.04  | .                               | 299.0  |
| Standard Deviation | 0.86  | 0.84  | 0.00                            | 243.8  |
| CV                 | 3.94  | 3.94  | 0.00                            | 3.9  |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahya Stand #/5 ft May-17-21 9 DA-A (Data Column 1)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 1741.979167    |             |        |         |           |
| R      | 3  | 6.729167       | 2.243056    | 0.312  | 0.8165  |           |
| A      | 2  | 1386.291667    | 693.145833  | 60.092 | 0.0001  | 2.3       |
| RA     | 6  | 69.208333      | 11.534722   |        |         |           |
| B      | 3  | 46.229167      | 15.409722   | 1.535  | 0.2714  | 2.4       |
| RB     | 9  | 90.354167      | 10.039352   |        |         |           |
| AB     | 6  | 13.708333      | 2.284722    | 0.318  | 0.9193  | 3.3       |
| RAB    | 18 | 129.458333     | 7.192130    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Stand #/5ft May-21-21 13 DA-A (Data Column 2)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 848.979167     |             |        |         |           |
| R      | 3  | 6.062500       | 2.020833    | 0.381  | 0.7680  |           |
| A      | 2  | 561.166667     | 280.583333  | 29.278 | 0.0008  | 2.1       |
| RA     | 6  | 57.500000      | 9.583333    |        |         |           |
| B      | 3  | 65.729167      | 21.909722   | 6.756  | 0.0111  | 1.3       |
| RB     | 9  | 29.187500      | 3.243056    |        |         |           |
| AB     | 6  | 33.833333      | 5.638889    | 1.063  | 0.4199  | 2.8       |
| RAB    | 18 | 95.500000      | 5.305556    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Bleachin #/5ft May-21-21 13 DA-A (Data Column 3)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 1071.916667    |             |        |         |           |
| R      | 3  | 28.416667      | 9.472222    | 1.851  | 0.1742  |           |
| A      | 2  | 37.791667      | 18.895833   | 2.480  | 0.1640  | 1.9       |
| RA     | 6  | 45.708333      | 7.618056    |        |         |           |
| B      | 3  | 629.083333     | 209.694444  | 37.935 | 0.0001  | 1.8       |
| RB     | 9  | 49.750000      | 5.527778    |        |         |           |
| AB     | 6  | 189.041667     | 31.506944   | 6.156  | 0.0012  | 2.8       |
| RAB    | 18 | 92.125000      | 5.118056    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Stunt % May-21-21 13 DA-A (Data Column 4)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 1016.666667    |             |        |         |           |
| R      | 3  | 16.666667      | 5.555556    | 0.768  | 0.5268  |           |
| A      | 2  | 301.041667     | 150.520833  | 12.211 | 0.0077  | 2.4       |
| RA     | 6  | 73.958333      | 12.326389   |        |         |           |
| B      | 3  | 304.166667     | 101.388889  | 31.286 | 0.0001  | 1.3       |
| RB     | 9  | 29.166667      | 3.240741    |        |         |           |
| AB     | 6  | 161.458333     | 26.909722   | 3.720  | 0.0139  | 3.3       |
| RAB    | 18 | 130.208333     | 7.233796    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Stand #/5ft Jun-4-21 27 DA-A (Data Column 5)

| Source | DF | Sum of Squares | Mean Square | F       | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|---------|---------|-----------|
| Total  | 47 | 568.479167     |             |         |         |           |
| R      | 3  | 11.729167      | 3.909722    | 1.139   | 0.3601  |           |
| A      | 2  | 333.791667     | 166.895833  | 129.908 | 0.0001  | 0.8       |
| RA     | 6  | 7.708333       | 1.284722    |         |         |           |
| B      | 3  | 51.729167      | 17.243056   | 1.825   | 0.2127  | 2.3       |
| RB     | 9  | 85.020833      | 9.446759    |         |         |           |
| AB     | 6  | 16.708333      | 2.784722    | 0.811   | 0.5748  | 2.3       |
| RAB    | 18 | 61.791667      | 3.432870    |         |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Stunt % Jun-4-21 27 DA-A (Data Column 6)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 1191.666667    |             |        |         |           |
| R      | 3  | 79.166667      | 26.388889   | 5.182  | 0.0093  |           |
| A      | 2  | 4.166667       | 2.083333    | 0.214  | 0.8130  | 2.1       |
| RA     | 6  | 58.333333      | 9.722222    |        |         |           |
| B      | 3  | 837.500000     | 279.166667  | 43.071 | 0.0001  | 1.9       |
| RB     | 9  | 58.333333      | 6.481481    |        |         |           |
| AB     | 6  | 62.500000      | 10.416667   | 2.045  | 0.1119  | 2.8       |
| RAB    | 18 | 91.666667      | 5.092593    |        |         |           |

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
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# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3  
Trial ID: PE-04-21 Study Dir.: KYLE BRISCOE  
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahya Bleach % Jun-4-21 27 DA-A (Data Column 7)

| Source | DF | Sum of Squares | Mean Square | F       | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|---------|---------|-----------|
| Total  | 47 | 2231.250000    |             |         |         |           |
| R      | 3  | 43.750000      | 14.583333   | 2.100   | 0.1360  |           |
| A      | 2  | 50.000000      | 25.000000   | 1.000   | 0.4219  | 3.4       |
| RA     | 6  | 150.000000     | 25.000000   |         |         |           |
| B      | 3  | 1743.750000    | 581.250000  | 119.571 | 0.0001  | 1.6       |
| RB     | 9  | 43.750000      | 4.861111    |         |         |           |
| AB     | 6  | 75.000000      | 12.500000   | 1.800   | 0.1558  | 3.2       |
| RAB    | 18 | 125.000000     | 6.944444    |         |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Necrosis % Jun-4-21 27 DA-A (Data Column 8)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 647.916667     |             |        |         |           |
| R      | 3  | 2.083333       | 0.694444    | 0.429  | 0.7350  |           |
| A      | 2  | 4.166667       | 2.083333    | 0.750  | 0.5120  | 1.1       |
| RA     | 6  | 16.666667      | 2.777778    |        |         |           |
| B      | 3  | 502.083333     | 167.361111  | 19.541 | 0.0003  | 2.2       |
| RB     | 9  | 77.083333      | 8.564815    |        |         |           |
| AB     | 6  | 16.666667      | 2.777778    | 1.714  | 0.1750  | 1.6       |
| RAB    | 18 | 29.166667      | 1.620370    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Stunt % Jul-1-21 54 DA-A (Data Column 9)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 2191.666667    |             |        |         |           |
| R      | 3  | 141.666667     | 47.222222   | 2.711  | 0.0756  |           |
| A      | 2  | 13.541667      | 6.770833    | 1.114  | 0.3877  | 1.7       |
| RA     | 6  | 36.458333      | 6.076389    |        |         |           |
| B      | 3  | 1437.500000    | 479.166667  | 22.021 | 0.0002  | 3.5       |
| RB     | 9  | 195.833333     | 21.759259   |        |         |           |
| AB     | 6  | 53.125000      | 8.854167    | 0.508  | 0.7942  | 5.1       |
| RAB    | 18 | 313.541667     | 17.418981   |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Bleach % Jul-1-21 54 DA-A (Data Column 10)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 647.916667     |             |        |         |           |
| R      | 3  | 6.250000       | 2.083333    | 0.507  | 0.6824  |           |
| A      | 2  | 7.291667       | 3.645833    | 1.000  | 0.4219  | 1.3       |
| RA     | 6  | 21.875000      | 3.645833    |        |         |           |
| B      | 3  | 502.083333     | 167.361111  | 65.727 | 0.0001  | 1.2       |
| RB     | 9  | 22.916667      | 2.546296    |        |         |           |
| AB     | 6  | 13.541667      | 2.256944    | 0.549  | 0.7642  | 2.5       |
| RAB    | 18 | 73.958333      | 4.108796    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Lapping % Jul-1-21 54 DA-A (Data Column 11)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 31549.479167   |             |        |         |           |
| R      | 3  | 2193.229167    | 731.076389  | 2.333  | 0.1084  |           |
| A      | 2  | 7204.166667    | 3602.083333 | 16.678 | 0.0035  | 10.1      |
| RA     | 6  | 1295.833333    | 215.972222  |        |         |           |
| B      | 3  | 10134.895833   | 3378.298611 | 7.438  | 0.0083  | 15.9      |
| RB     | 9  | 4088.020833    | 454.224537  |        |         |           |
| AB     | 6  | 991.666667     | 165.277778  | 0.527  | 0.7803  | 21.7      |
| RAB    | 18 | 5641.666667    | 313.425926  |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Ht1 In Jul-6-21 59 DA-A (Data Column 12)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 85.312500      |             |       |         |           |
| R      | 3  | 4.062500       | 1.354167    | 0.639 | 0.5999  |           |
| A      | 2  | 6.000000       | 3.000000    | 0.800 | 0.4921  | 1.3       |
| RA     | 6  | 22.500000      | 3.750000    |       |         |           |
| B      | 3  | 2.229167       | 0.743056    | 0.953 | 0.4557  | 0.7       |
| RB     | 9  | 7.020833       | 0.780093    |       |         |           |
| AB     | 6  | 5.333333       | 0.888889    | 0.419 | 0.8566  | 1.8       |
| RAB    | 18 | 38.166667      | 2.120370    |       |         |           |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahy Ht2 In Jul-6-21 59 DA-A (Data Column 13)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 81.979167      |             |       |         |           |
| R      | 3  | 4.895833       | 1.631944    | 0.838 | 0.4904  |           |
| A      | 2  | 5.541667       | 2.770833    | 0.961 | 0.4343  | 1.2       |
| RA     | 6  | 17.291667      | 2.881944    |       |         |           |
| B      | 3  | 4.229167       | 1.409722    | 1.333 | 0.3236  | 0.8       |
| RB     | 9  | 9.520833       | 1.057870    |       |         |           |
| AB     | 6  | 5.458333       | 0.909722    | 0.467 | 0.8235  | 1.7       |
| RAB    | 18 | 35.041667      | 1.946759    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahy Ht3 In Jul-6-21 59 DA-A (Data Column 14)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 73.979167      |             |       |         |           |
| R      | 3  | 1.395833       | 0.465278    | 0.315 | 0.8146  |           |
| A      | 2  | 2.791667       | 1.395833    | 0.642 | 0.5588  | 1.0       |
| RA     | 6  | 13.041667      | 2.173611    |       |         |           |
| B      | 3  | 14.229167      | 4.743056    | 3.119 | 0.0809  | 0.9       |
| RB     | 9  | 13.687500      | 1.520833    |       |         |           |
| AB     | 6  | 2.208333       | 0.368056    | 0.249 | 0.9535  | 1.5       |
| RAB    | 18 | 26.625000      | 1.479167    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahy Ht4 In Jul-6-21 59 DA-A (Data Column 15)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 93.916667      |             |       |         |           |
| R      | 3  | 21.416667      | 7.138889    | 5.131 | 0.0097  |           |
| A      | 2  | 7.541667       | 3.770833    | 3.503 | 0.0982  | 0.7       |
| RA     | 6  | 6.458333       | 1.076389    |       |         |           |
| B      | 3  | 12.416667      | 4.138889    | 2.060 | 0.1760  | 1.1       |
| RB     | 9  | 18.083333      | 2.009259    |       |         |           |
| AB     | 6  | 2.958333       | 0.493056    | 0.354 | 0.8980  | 1.4       |
| RAB    | 18 | 25.041667      | 1.391204    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahy Ht5 In Jul-6-21 59 DA-A (Data Column 16)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 169.666667     |             |       |         |           |
| R      | 3  | 22.500000      | 7.500000    | 2.521 | 0.0904  |           |
| A      | 2  | 9.541667       | 4.770833    | 1.000 | 0.4219  | 1.5       |
| RA     | 6  | 28.625000      | 4.770833    |       |         |           |
| B      | 3  | 4.333333       | 1.444444    | 0.451 | 0.7229  | 1.3       |
| RB     | 9  | 28.833333      | 3.203704    |       |         |           |
| AB     | 6  | 22.291667      | 3.715278    | 1.249 | 0.3285  | 2.1       |
| RAB    | 18 | 53.541667      | 2.974537    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahy AVG HEIGHT In Jul-6-21 59 DA-A (Data Column 17)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 48.399167      |             |       |         |           |
| R      | 3  | 4.069167       | 1.356389    | 1.420 | 0.2697  |           |
| A      | 2  | 3.081667       | 1.540833    | 0.921 | 0.4479  | 0.9       |
| RA     | 6  | 10.038333      | 1.673056    |       |         |           |
| B      | 3  | 3.789167       | 1.263056    | 1.595 | 0.2579  | 0.7       |
| RB     | 9  | 7.127500       | 0.791944    |       |         |           |
| AB     | 6  | 3.098333       | 0.516389    | 0.541 | 0.7706  | 1.2       |
| RAB    | 18 | 17.195000      | 0.955278    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahy Wt1 In Jul-6-21 59 DA-A (Data Column 18)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 1074.666667    |             |       |         |           |
| R      | 3  | 49.666667      | 16.555556   | 0.904 | 0.4586  |           |
| A      | 2  | 160.541667     | 80.270833   | 6.984 | 0.0271  | 2.3       |
| RA     | 6  | 68.958333      | 11.493056   |       |         |           |
| B      | 3  | 194.833333     | 64.944444   | 4.946 | 0.0268  | 2.7       |
| RB     | 9  | 118.166667     | 13.129630   |       |         |           |
| AB     | 6  | 152.791667     | 25.465278   | 1.390 | 0.2717  | 5.2       |
| RAB    | 18 | 329.708333     | 18.317130   |       |         |           |

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahya Wt2 In Jul-6-21 59 DA-A (Data Column 19)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 413.916667     |             |       |         |           |
| R      | 3  | 14.250000      | 4.750000    | 0.655 | 0.5900  |           |
| A      | 2  | 25.291667      | 12.645833   | 5.101 | 0.0508  | 1.1       |
| RA     | 6  | 14.875000      | 2.479167    |       |         |           |
| B      | 3  | 153.083333     | 51.027778   | 9.200 | 0.0042  | 1.8       |
| RB     | 9  | 49.916667      | 5.546296    |       |         |           |
| AB     | 6  | 26.041667      | 4.340278    | 0.599 | 0.7276  | 3.3       |
| RAB    | 18 | 130.458333     | 7.247685    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Wt3 In Jul-6-21 59 DA-A (Data Column 20)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 397.666667     |             |       |         |           |
| R      | 3  | 35.333333      | 11.777778   | 3.991 | 0.0242  |           |
| A      | 2  | 46.791667      | 23.395833   | 4.124 | 0.0747  | 1.6       |
| RA     | 6  | 34.041667      | 5.673611    |       |         |           |
| B      | 3  | 165.500000     | 55.166667   | 9.641 | 0.0036  | 1.8       |
| RB     | 9  | 51.500000      | 5.722222    |       |         |           |
| AB     | 6  | 11.375000      | 1.895833    | 0.642 | 0.6955  | 2.1       |
| RAB    | 18 | 53.125000      | 2.951389    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Wt4 In Jul-6-21 59 DA-A (Data Column 21)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 273.312500     |             |        |         |           |
| R      | 3  | 43.729167      | 14.576389   | 7.036  | 0.0025  |           |
| A      | 2  | 25.125000      | 12.562500   | 16.009 | 0.0039  | 0.6       |
| RA     | 6  | 4.708333       | 0.784722    |        |         |           |
| B      | 3  | 118.229167     | 39.409722   | 8.863  | 0.0047  | 1.6       |
| RB     | 9  | 40.020833      | 4.446759    |        |         |           |
| AB     | 6  | 4.208333       | 0.701389    | 0.339  | 0.9074  | 1.8       |
| RAB    | 18 | 37.291667      | 2.071759    |        |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya Wt5 In Jul-6-21 59 DA-A (Data Column 22)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 272.479167     |             |       |         |           |
| R      | 3  | 6.729167       | 2.243056    | 0.631 | 0.6045  |           |
| A      | 2  | 10.166667      | 5.083333    | 1.430 | 0.3106  | 1.3       |
| RA     | 6  | 21.333333      | 3.555556    |       |         |           |
| B      | 3  | 72.229167      | 24.076389   | 3.484 | 0.0635  | 2.0       |
| RB     | 9  | 62.187500      | 6.909722    |       |         |           |
| AB     | 6  | 35.833333      | 5.972222    | 1.680 | 0.1834  | 2.3       |
| RAB    | 18 | 64.000000      | 3.555556    |       |         |           |

COMPLETE FACTORIAL AOV For ----- Arahya AVG WIDTH In Jul-6-21 59 DA-A (Data Column 23)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 312.986667     |             |        |         |           |
| R      | 3  | 22.106667      | 7.368889    | 2.370  | 0.1045  |           |
| A      | 2  | 41.581667      | 20.790833   | 10.868 | 0.0101  | 1.0       |
| RA     | 6  | 11.478333      | 1.913056    |        |         |           |
| B      | 3  | 130.126667     | 43.375556   | 11.968 | 0.0017  | 1.4       |
| RB     | 9  | 32.620000      | 3.624444    |        |         |           |
| AB     | 6  | 19.118333      | 3.186389    | 1.025  | 0.4409  | 2.2       |
| RAB    | 18 | 55.955000      | 3.108611    |        |         |           |

COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-28-21 143 DA-A (Data Column 24)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 120.770000     |             |        |         |           |
| R      | 3  | 32.921667      | 10.973889   | 14.789 | 0.0001  |           |
| A      | 2  | 14.761250      | 7.380625    | 2.928  | 0.1296  | 1.1       |
| RA     | 6  | 15.122083      | 2.520347    |        |         |           |
| B      | 3  | 7.096667       | 2.365556    | 0.686  | 0.5830  | 1.4       |
| RB     | 9  | 31.045000      | 3.449444    |        |         |           |
| AB     | 6  | 6.467083       | 1.077847    | 1.453  | 0.2497  | 1.1       |
| RAB    | 18 | 13.356250      | 0.742014    |        |         |           |

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 BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-28-21 143 DA-A (Data Column 25)

| Source | DF | Sum of Squares | Mean Square | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|--------|---------|-----------|
| Total  | 47 | 115.987508     |             |        |         |           |
| R      | 3  | 31.617969      | 10.539323   | 14.789 | 0.0001  |           |
| A      | 2  | 14.176705      | 7.088352    | 2.928  | 0.1296  | 1.1       |
| RA     | 6  | 14.523249      | 2.420541    |        |         |           |
| B      | 3  | 6.815639       | 2.271880    | 0.686  | 0.5830  | 1.4       |
| RB     | 9  | 29.815618      | 3.312846    |        |         |           |
| AB     | 6  | 6.210987       | 1.035164    | 1.453  | 0.2497  | 1.0       |
| RAB    | 18 | 12.827343      | 0.712630    |        |         |           |

COMPLETE FACTORIAL AOV For ----- ARAHY MOISTURE % Sep-28-21 143 DA-A (Data Column 26)

| Source | DF | Sum of Squares | Mean Square | F     | Prob(F) | LSD (.10) |
|--------|----|----------------|-------------|-------|---------|-----------|
| Total  | 47 | 46.186667      |             |       |         |           |
| R      | 3  | 0.000000       | 0.000000    | 0.000 | 1.0000  |           |
| A      | 2  | 46.186667      | 23.093333   | 0.000 | 1.0000  | .         |
| RA     | 6  | 0.000000       | 0.000000    |       |         | .         |
| B      | 3  | 0.000000       | 0.000000    | 0.000 | 1.0000  | .         |
| RB     | 9  | 0.000000       | 0.000000    |       |         | .         |
| AB     | 6  | 0.000000       | 0.000000    | 0.000 | 1.0000  | .         |
| RAB    | 18 | 0.000000       | 0.000000    |       |         | .         |

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Sep-28-21 143 DA-A (Data Column 27)

| Source | DF | Sum of Squares | Mean Square   | F      | Prob(F) | LSD (.10) |
|--------|----|----------------|---------------|--------|---------|-----------|
| Total  | 47 | 9420299.531312 |               |        |         |           |
| R      | 3  | 2648598.811040 | 882866.270347 | 14.848 | 0.0001  |           |
| A      | 2  | 905211.286505  | 452605.643253 | 2.240  | 0.1877  | 309       |
| RA     | 6  | 1212580.507078 | 202096.751180 |        |         |           |
| B      | 3  | 568538.586238  | 189512.862079 | 0.683  | 0.5845  | 394       |
| RB     | 9  | 2497379.922124 | 277486.658014 |        |         |           |
| AB     | 6  | 517708.093920  | 86284.682320  | 1.451  | 0.2502  | 299       |
| RAB    | 18 | 1070282.324406 | 59460.129134  |        |         |           |

PRM Data Type

T3 = ([C12]+[C13]+[C14]+[C15]+[C16])/5  
 T4 = ([18]+[19]+[20]+[21]+[22])/5  
 T1 = [C24]\*0.98  
 TY2 = 290.4\*[C25]\*(100-[C26])/90

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.



# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

| Weed Code              | -----     | -----     | -----     | -----     | -----    | -----    |
|------------------------|-----------|-----------|-----------|-----------|----------|----------|
| Crop Code              | Arahy     | Arahy     | Arahy     | Arahy     | Arahy    | Arahy    |
| Part Rated             |           |           |           |           |          |          |
| Rating Data Type       | Stand     | Stand     | Bleachin  | Stunt     | Stand    | Stunt    |
| Rating Unit            | #/5 ft    | #/5ft     | #/5ft     | %         | #/5ft    | %        |
| Rating Date            | May-17-21 | May-21-21 | May-21-21 | May-21-21 | Jun-4-21 | Jun-4-21 |
| Trt-Eval Interval      | 9 DA-A    | 13 DA-A   | 13 DA-A   | 13 DA-A   | 27 DA-A  | 27 DA-A  |
| Trt No.                | 1         | 2         | 3         | 4         | 5        | 6        |
| Treatment Name         |           |           |           |           |          |          |
| Form Conc              |           |           |           |           |          |          |
| Form Type              |           |           |           |           |          |          |
| Rate                   |           |           |           |           |          |          |
| Grow Unit              |           |           |           |           |          |          |
| Appl Stg               |           |           |           |           |          |          |
| Appl Code              |           |           |           |           |          |          |
| Plot                   |           |           |           |           |          |          |
| 11 GA-16HO BRAKE       |           |           |           |           |          |          |
| 1.2 SL 32.0 oz/a PRE A |           |           |           |           |          |          |
| 111                    | 18.0      | 25.0      | 3.0       | 0.0       | 29.0     | 10.0     |
| 210                    | 20.0      | 24.0      | 5.0       | 0.0       | 28.0     | 5.0      |
| 312                    | 17.0      | 25.0      | 4.0       | 5.0       | 25.0     | 5.0      |
| 409                    | 19.0      | 28.0      | 2.0       | 0.0       | 25.0     | 5.0      |
| Mean =                 | 18.5      | 25.5      | 3.5       | 1.3       | 26.8     | 6.3      |
| 12 GA-16HO BRAKE       |           |           |           |           |          |          |
| 1.2 SL 64.0 oz/a PRE A |           |           |           |           |          |          |
| 112                    | 15.0      | 25.0      | 19.0      | 5.0       | 23.0     | 15.0     |
| 209                    | 21.0      | 27.0      | 11.0      | 5.0       | 29.0     | 10.0     |
| 311                    | 13.0      | 26.0      | 15.0      | 5.0       | 24.0     | 10.0     |
| 410                    | 18.0      | 28.0      | 12.0      | 5.0       | 27.0     | 5.0      |
| Mean =                 | 16.8      | 26.5      | 14.3      | 5.0       | 25.8     | 10.0     |



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PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

| Weed Code         | -----          | -----     | -----     | -----     | -----     | -----    | -----     |        |      |      |      |      |      |     |     |
|-------------------|----------------|-----------|-----------|-----------|-----------|----------|-----------|--------|------|------|------|------|------|-----|-----|
| Crop Code         | Arahy          | Arahy     | Arahy     | Arahy     | Arahy     | Arahy    | Arahy     |        |      |      |      |      |      |     |     |
| Part Rated        |                |           |           |           |           |          |           |        |      |      |      |      |      |     |     |
| Rating Data Type  | Bleach         | Necrosis  | Stunt     | Bleach    | Lapping   | Ht1      | Ht2       |        |      |      |      |      |      |     |     |
| Rating Unit       | %              | %         | %         | %         | %         | In       | In        |        |      |      |      |      |      |     |     |
| Rating Date       | Jun-4-21       | Jun-4-21  | Jul-1-21  | Jul-1-21  | Jul-1-21  | Jul-6-21 | Jul-6-21  |        |      |      |      |      |      |     |     |
| Trt-Eval Interval | 27 DA-A        | 27 DA-A   | 54 DA-A   | 54 DA-A   | 54 DA-A   | 59 DA-A  | 59 DA-A   |        |      |      |      |      |      |     |     |
| Trt No.           | Treatment Name | Form Conc | Form Type | Rate      | Grow Unit | Appl Stg | Appl Code | Plot   | 7    | 8    | 9    | 10   | 11   | 12  | 13  |
| 11                | GA-16HO BRAKE  | 1.2 SL    |           | 32.0 oz/a | PRE       | A        |           | 111    | 15.0 | 5.0  | 5.0  | 5.0  | 20.0 | 6.0 | 5.0 |
|                   |                |           |           |           |           |          |           | 210    | 5.0  | 5.0  | 0.0  | 0.0  | 85.0 | 8.0 | 9.0 |
|                   |                |           |           |           |           |          |           | 312    | 10.0 | 5.0  | 10.0 | 0.0  | 15.0 | 7.0 | 9.0 |
|                   |                |           |           |           |           |          |           | 409    | 5.0  | 5.0  | 0.0  | 0.0  | 75.0 | 7.0 | 8.0 |
|                   |                |           |           |           |           |          |           | Mean = | 8.8  | 5.0  | 3.8  | 1.3  | 48.8 | 7.0 | 7.8 |
| 12                | GA-16HO BRAKE  | 1.2 SL    |           | 64.0 oz/a | PRE       | A        |           | 112    | 25.0 | 10.0 | 20.0 | 10.0 | 5.0  | 6.0 | 8.0 |
|                   |                |           |           |           |           |          |           | 209    | 15.0 | 5.0  | 0.0  | 5.0  | 40.0 | 8.0 | 9.0 |
|                   |                |           |           |           |           |          |           | 311    | 20.0 | 10.0 | 10.0 | 5.0  | 10.0 | 9.0 | 9.0 |
|                   |                |           |           |           |           |          |           | 410    | 20.0 | 10.0 | 20.0 | 10.0 | 15.0 | 8.0 | 8.0 |
|                   |                |           |           |           |           |          |           | Mean = | 20.0 | 8.8  | 12.5 | 7.5  | 17.5 | 7.8 | 8.5 |

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PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

|             |                     |                   |                  | -----<br>Arahy      | -----<br>Arahy      | -----<br>Arahy      | -----<br>Arahy<br>AVG, -<br>HEIGHT | -----<br>Arahy      | -----<br>Arahy      | -----<br>Arahy      |      |      |      |      |      |
|-------------|---------------------|-------------------|------------------|---------------------|---------------------|---------------------|------------------------------------|---------------------|---------------------|---------------------|------|------|------|------|------|
| Weed Code   | Crop Code           | Part Rated        | Rating Data Type | Ht3<br>In           | Ht4<br>In           | Ht5<br>In           | HEIGHT<br>In                       | Wt1<br>In           | Wt2<br>In           | Wt3<br>In           |      |      |      |      |      |
| Rating Unit | Rating Date         | Trt-Eval Interval |                  | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A                | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A |      |      |      |      |      |
| Trt No.     | Treatment Name      | Form Conc         | Form Type        | Rate                | Grow Unit           | Appl Stg            | Code                               | Plot                | 14                  | 15                  | 16   | 17   | 18   | 19   | 20   |
| 1           | GA-06G<br>NO BRAKE  |                   |                  |                     |                     |                     |                                    | 101                 | 9.0                 | 8.0                 | 9.0  | 7.6  | 30.0 | 30.0 | 30.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 204                 | 8.0                 | 9.0                 | 9.0  | 8.4  | 23.0 | 26.0 | 28.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 302                 | 10.0                | 12.0                | 1.0  | 7.8  | 27.0 | 27.0 | 31.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 403                 | 11.0                | 9.0                 | 12.0 | 10.8 | 22.0 | 28.0 | 30.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 9.5                 | 9.5                 | 7.8  | 8.7  | 25.5 | 27.8 | 29.8 |
| 2           | GA-06G<br>BRAKE     | 1.2 SL            | 16.0 oz/a        | PRE                 | A                   |                     |                                    | 102                 | 9.0                 | 8.0                 | 10.0 | 9.0  | 26.0 | 26.0 | 27.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 203                 | 10.0                | 11.0                | 10.0 | 9.8  | 22.0 | 27.0 | 28.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 304                 | 10.0                | 10.0                | 11.0 | 9.4  | 26.0 | 26.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 401                 | 11.0                | 11.0                | 12.0 | 11.0 | 25.0 | 28.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 10.0                | 10.0                | 10.8 | 9.8  | 24.8 | 26.8 | 29.8 |
| 3           | GA-06G<br>BRAKE     | 1.2 SL            | 32.0 oz/a        | PRE                 | A                   |                     |                                    | 103                 | 10.0                | 9.0                 | 9.0  | 9.6  | 6.0  | 26.0 | 27.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 202                 | 9.0                 | 9.0                 | 9.0  | 8.6  | 27.0 | 29.0 | 29.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 301                 | 11.0                | 12.0                | 12.0 | 11.2 | 25.0 | 28.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 404                 | 8.0                 | 9.0                 | 10.0 | 8.2  | 19.0 | 26.0 | 26.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 9.5                 | 9.8                 | 10.0 | 9.4  | 19.3 | 27.3 | 28.5 |
| 4           | GA-06G<br>BRAKE     | 1.2 SL            | 64.0 oz/a        | PRE                 | A                   |                     |                                    | 104                 | 8.0                 | 6.0                 | 8.0  | 8.4  | 23.0 | 24.0 | 25.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 201                 | 9.0                 | 8.0                 | 10.0 | 8.4  | 23.0 | 24.0 | 25.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 303                 | 7.0                 | 7.0                 | 8.0  | 8.0  | 23.0 | 23.0 | 24.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 402                 | 10.0                | 11.0                | 11.0 | 10.2 | 23.0 | 25.0 | 26.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 8.5                 | 8.0                 | 9.3  | 8.8  | 23.0 | 24.0 | 25.0 |
| 5           | GA-18RU<br>NO BRAKE |                   |                  |                     |                     |                     |                                    | 105                 | 8.0                 | 9.0                 | 7.0  | 8.0  | 26.0 | 27.0 | 27.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 208                 | 9.0                 | 9.0                 | 10.0 | 9.2  | 26.0 | 29.0 | 29.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 307                 | 8.0                 | 9.0                 | 10.0 | 8.4  | 21.0 | 23.0 | 26.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 406                 | 10.0                | 11.0                | 12.0 | 10.0 | 28.0 | 29.0 | 31.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 8.8                 | 9.5                 | 9.8  | 8.9  | 25.3 | 27.0 | 28.3 |
| 6           | GA-18RU<br>BRAKE    | 1.2 SL            | 16.0 oz/a        | PRE                 | A                   |                     |                                    | 106                 | 11.0                | 9.0                 | 8.0  | 9.0  | 25.0 | 26.0 | 27.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 207                 | 8.0                 | 9.0                 | 9.0  | 9.2  | 31.0 | 31.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 308                 | 8.0                 | 9.0                 | 10.0 | 8.4  | 23.0 | 27.0 | 27.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 405                 | 9.0                 | 9.0                 | 10.0 | 8.6  | 25.0 | 28.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 9.0                 | 9.0                 | 9.3  | 8.8  | 26.0 | 28.0 | 29.5 |
| 7           | GA-18RU<br>BRAKE    | 1.2 SL            | 32.0 oz/a        | PRE                 | A                   |                     |                                    | 107                 | 11.0                | 9.0                 | 7.0  | 8.4  | 26.0 | 28.0 | 28.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 206                 | 9.0                 | 10.0                | 10.0 | 9.2  | 24.0 | 27.0 | 30.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 305                 | 10.0                | 10.0                | 10.0 | 9.0  | 27.0 | 28.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 408                 | 9.0                 | 9.0                 | 9.0  | 8.2  | 25.0 | 26.0 | 28.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 9.8                 | 9.5                 | 9.0  | 8.7  | 25.5 | 27.3 | 29.5 |
| 8           | GA-18RU<br>BRAKE    | 1.2 SL            | 64.0 oz/a        | PRE                 | A                   |                     |                                    | 108                 | 7.0                 | 6.0                 | 6.0  | 7.0  | 23.0 | 24.0 | 25.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 205                 | 9.0                 | 10.0                | 10.0 | 9.8  | 25.0 | 26.0 | 28.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 306                 | 7.0                 | 8.0                 | 8.0  | 7.2  | 19.0 | 23.0 | 23.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 407                 | 8.0                 | 9.0                 | 10.0 | 8.2  | 23.0 | 24.0 | 26.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 7.8                 | 8.3                 | 8.5  | 8.1  | 22.5 | 24.3 | 25.5 |
| 9           | GA-16HO<br>NO BRAKE |                   |                  |                     |                     |                     |                                    | 109                 | 11.0                | 11.0                | 12.0 | 10.8 | 32.0 | 32.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 212                 | 8.0                 | 9.0                 | 11.0 | 8.8  | 32.0 | 24.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 310                 | 11.0                | 11.0                | 12.0 | 10.6 | 32.0 | 32.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 411                 | 7.0                 | 10.0                | 9.0  | 8.0  | 25.0 | 26.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 9.3                 | 10.3                | 11.0 | 9.6  | 30.3 | 28.5 | 32.0 |
| 10          | GA-16HO<br>BRAKE    | 1.2 SL            | 16.0 oz/a        | PRE                 | A                   |                     |                                    | 110                 | 9.0                 | 7.0                 | 10.0 | 8.8  | 32.0 | 32.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 211                 | 10.0                | 11.0                | 8.0  | 9.4  | 32.0 | 32.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 309                 | 10.0                | 11.0                | 11.0 | 10.0 | 28.0 | 32.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | 412                 | 10.0                | 11.0                | 11.0 | 9.2  | 30.0 | 28.0 | 32.0 |
|             |                     |                   |                  |                     |                     |                     |                                    | Mean =              | 9.8                 | 10.0                | 10.0 | 9.4  | 30.5 | 31.0 | 32.0 |

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

| Weed Code         | -----<br>Arahy   | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy<br>AVG, -<br>HEIGHT | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy |        |      |      |      |      |      |      |      |
|-------------------|------------------|----------------|----------------|------------------------------------|----------------|----------------|----------------|--------|------|------|------|------|------|------|------|
| Crop Code         |                  |                |                |                                    |                |                |                |        |      |      |      |      |      |      |      |
| Part Rated        |                  |                |                |                                    |                |                |                |        |      |      |      |      |      |      |      |
| Rating Data Type  | Ht3              | Ht4            | Ht5            | HEIGHT                             | Wt1            | Wt2            | Wt3            |        |      |      |      |      |      |      |      |
| Rating Unit       | In               | In             | In             | In                                 | In             | In             | In             |        |      |      |      |      |      |      |      |
| Rating Date       | Jul-6-21         | Jul-6-21       | Jul-6-21       | Jul-6-21                           | Jul-6-21       | Jul-6-21       | Jul-6-21       |        |      |      |      |      |      |      |      |
| Trt-Eval Interval | 59 DA-A          | 59 DA-A        | 59 DA-A        | 59 DA-A                            | 59 DA-A        | 59 DA-A        | 59 DA-A        |        |      |      |      |      |      |      |      |
| Trt No.           | Treatment Name   | Form Conc      | Form Type      | Rate                               | Grow Unit      | Appl Stg       | Code           | Plot   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
| 11                | GA-16HO<br>BRAKE | 1.2            | SL             | 32.0                               | oz/a           | PRE            | A              | 111    | 8.0  | 10.0 | 9.0  | 7.6  | 27.0 | 25.0 | 28.0 |
|                   |                  |                |                |                                    |                |                |                | 210    | 10.0 | 11.0 | 11.0 | 9.8  | 32.0 | 32.0 | 32.0 |
|                   |                  |                |                |                                    |                |                |                | 312    | 11.0 | 11.0 | 10.0 | 9.6  | 22.0 | 27.0 | 30.0 |
|                   |                  |                |                |                                    |                |                |                | 409    | 9.0  | 9.0  | 10.0 | 8.6  | 32.0 | 32.0 | 32.0 |
|                   |                  |                |                |                                    |                |                |                | Mean = | 9.5  | 10.3 | 10.0 | 8.9  | 28.3 | 29.0 | 30.5 |
| 12                | GA-16HO<br>BRAKE | 1.2            | SL             | 64.0                               | oz/a           | PRE            | A              | 112    | 7.0  | 8.0  | 8.0  | 7.4  | 17.0 | 19.0 | 23.0 |
|                   |                  |                |                |                                    |                |                |                | 209    | 9.0  | 10.0 | 10.0 | 9.2  | 26.0 | 28.0 | 32.0 |
|                   |                  |                |                |                                    |                |                |                | 311    | 10.0 | 11.0 | 11.0 | 10.0 | 22.0 | 23.0 | 24.0 |
|                   |                  |                |                |                                    |                |                |                | 410    | 8.0  | 9.0  | 10.0 | 8.6  | 20.0 | 25.0 | 28.0 |
|                   |                  |                |                |                                    |                |                |                | Mean = | 8.5  | 9.5  | 9.8  | 8.8  | 21.3 | 23.8 | 26.8 |

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

|     |                     |      |      |      |      |      | -----<br>Arahy      | -----<br>Arahy      | -----<br>Arahy<br>AVG, -<br>WIDTH | -----<br>ARAHY<br>DIRTY, -<br>YIELD | -----<br>ARAHY<br>CLEAN, -<br>YIELD | -----<br>ARAHY<br>MOISTURE<br>% |      |      |
|-----|---------------------|------|------|------|------|------|---------------------|---------------------|-----------------------------------|-------------------------------------|-------------------------------------|---------------------------------|------|------|
|     |                     |      |      |      |      |      | Wt4<br>In           | Wt5<br>In           | In                                | LBS/PLOT                            | LBS/PLOT                            | Sep-28-21                       |      |      |
|     |                     |      |      |      |      |      | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A | Jul-6-21<br>59 DA-A               | Sep-28-21<br>143 DA-A               | Sep-28-21<br>143 DA-A               | Sep-28-21<br>143 DA-A           |      |      |
| Trt | Treatment           | Form | Form | Rate | Grow | Appl |                     |                     |                                   |                                     |                                     |                                 |      |      |
| No. | Name                | Conc | Type | Rate | Unit | Stg  | Code                | Plot                | 21                                | 22                                  | 23                                  | 24                              | 25   | 26   |
| 1   | GA-06G<br>NO BRAKE  |      |      |      |      |      |                     | 101                 | 26.0                              | 30.0                                | 29.2                                | 21.1                            | 20.7 | 11.7 |
|     |                     |      |      |      |      |      |                     | 204                 | 28.0                              | 29.0                                | 26.8                                | 22.9                            | 22.4 | 11.7 |
|     |                     |      |      |      |      |      |                     | 302                 | 31.0                              | 32.0                                | 29.6                                | 22.2                            | 21.8 | 11.7 |
|     |                     |      |      |      |      |      |                     | 403                 | 31.0                              | 31.0                                | 28.4                                | 22.5                            | 22.1 | 11.7 |
|     |                     |      |      |      |      |      |                     | Mean =              | 29.0                              | 30.5                                | 28.5                                | 22.2                            | 21.7 | 11.7 |
| 2   | GA-06G<br>BRAKE     | 1.2  | SL   | 16.0 | oz/a | PRE  | A                   | 102                 | 28.0                              | 31.0                                | 27.6                                | 21.3                            | 20.9 | 11.7 |
|     |                     |      |      |      |      |      |                     | 203                 | 32.0                              | 32.0                                | 28.2                                | 22.7                            | 22.2 | 11.7 |
|     |                     |      |      |      |      |      |                     | 304                 | 32.0                              | 32.0                                | 29.6                                | 21.2                            | 20.8 | 11.7 |
|     |                     |      |      |      |      |      |                     | 401                 | 32.0                              | 32.0                                | 29.8                                | 22.2                            | 21.8 | 11.7 |
|     |                     |      |      |      |      |      |                     | Mean =              | 31.0                              | 31.8                                | 28.8                                | 21.9                            | 21.4 | 11.7 |
| 3   | GA-06G<br>BRAKE     | 1.2  | SL   | 32.0 | oz/a | PRE  | A                   | 103                 | 29.0                              | 29.0                                | 23.4                                | 22.4                            | 22.0 | 11.7 |
|     |                     |      |      |      |      |      |                     | 202                 | 30.0                              | 31.0                                | 29.2                                | 22.6                            | 22.1 | 11.7 |
|     |                     |      |      |      |      |      |                     | 301                 | 32.0                              | 28.0                                | 29.0                                | 21.6                            | 21.2 | 11.7 |
|     |                     |      |      |      |      |      |                     | 404                 | 29.0                              | 25.0                                | 25.0                                | 21.9                            | 21.5 | 11.7 |
|     |                     |      |      |      |      |      |                     | Mean =              | 30.0                              | 28.3                                | 26.7                                | 22.1                            | 21.7 | 11.7 |
| 4   | GA-06G<br>BRAKE     | 1.2  | SL   | 64.0 | oz/a | PRE  | A                   | 104                 | 26.0                              | 27.0                                | 25.0                                | 21.0                            | 20.6 | 11.7 |
|     |                     |      |      |      |      |      |                     | 201                 | 29.0                              | 31.0                                | 26.4                                | 23.0                            | 22.5 | 11.7 |
|     |                     |      |      |      |      |      |                     | 303                 | 25.0                              | 26.0                                | 24.2                                | 22.1                            | 21.7 | 11.7 |
|     |                     |      |      |      |      |      |                     | 402                 | 26.0                              | 29.0                                | 25.8                                | 18.6                            | 18.2 | 11.7 |
|     |                     |      |      |      |      |      |                     | Mean =              | 26.5                              | 28.3                                | 25.4                                | 21.2                            | 20.8 | 11.7 |
| 5   | GA-18RU<br>NO BRAKE |      |      |      |      |      |                     | 105                 | 27.0                              | 30.0                                | 27.4                                | 24.9                            | 24.4 | 10.6 |
|     |                     |      |      |      |      |      |                     | 208                 | 30.0                              | 31.0                                | 29.0                                | 21.4                            | 21.0 | 10.6 |
|     |                     |      |      |      |      |      |                     | 307                 | 32.0                              | 32.0                                | 26.8                                | 21.9                            | 21.5 | 10.6 |
|     |                     |      |      |      |      |      |                     | 406                 | 31.0                              | 32.0                                | 30.2                                | 20.3                            | 19.9 | 10.6 |
|     |                     |      |      |      |      |      |                     | Mean =              | 30.0                              | 31.3                                | 28.4                                | 22.1                            | 21.7 | 10.6 |
| 6   | GA-18RU<br>BRAKE    | 1.2  | SL   | 16.0 | oz/a | PRE  | A                   | 106                 | 29.0                              | 32.0                                | 27.8                                | 25.0                            | 24.5 | 10.6 |
|     |                     |      |      |      |      |      |                     | 207                 | 32.0                              | 25.0                                | 30.2                                | 23.2                            | 22.7 | 10.6 |
|     |                     |      |      |      |      |      |                     | 308                 | 30.0                              | 30.0                                | 27.4                                | 23.3                            | 22.8 | 10.6 |
|     |                     |      |      |      |      |      |                     | 405                 | 32.0                              | 32.0                                | 29.8                                | 23.1                            | 22.6 | 10.6 |
|     |                     |      |      |      |      |      |                     | Mean =              | 30.8                              | 29.8                                | 28.8                                | 23.7                            | 23.2 | 10.6 |
| 7   | GA-18RU<br>BRAKE    | 1.2  | SL   | 32.0 | oz/a | PRE  | A                   | 107                 | 30.0                              | 30.0                                | 28.4                                | 25.3                            | 24.8 | 10.6 |
|     |                     |      |      |      |      |      |                     | 206                 | 31.0                              | 30.0                                | 28.4                                | 24.3                            | 23.8 | 10.6 |
|     |                     |      |      |      |      |      |                     | 305                 | 32.0                              | 32.0                                | 30.2                                | 21.8                            | 21.4 | 10.6 |
|     |                     |      |      |      |      |      |                     | 408                 | 29.0                              | 31.0                                | 27.8                                | 19.5                            | 19.1 | 10.6 |
|     |                     |      |      |      |      |      |                     | Mean =              | 30.5                              | 30.8                                | 28.7                                | 22.7                            | 22.3 | 10.6 |
| 8   | GA-18RU<br>BRAKE    | 1.2  | SL   | 64.0 | oz/a | PRE  | A                   | 108                 | 26.0                              | 30.0                                | 25.6                                | 21.4                            | 21.0 | 10.6 |
|     |                     |      |      |      |      |      |                     | 205                 | 30.0                              | 32.0                                | 28.2                                | 24.6                            | 24.1 | 10.6 |
|     |                     |      |      |      |      |      |                     | 306                 | 24.0                              | 26.0                                | 23.0                                | 21.7                            | 21.3 | 10.6 |
|     |                     |      |      |      |      |      |                     | 407                 | 27.0                              | 28.0                                | 25.6                                | 19.5                            | 19.1 | 10.6 |
|     |                     |      |      |      |      |      |                     | Mean =              | 26.8                              | 29.0                                | 25.6                                | 21.8                            | 21.4 | 10.6 |
| 9   | GA-16HO<br>NO BRAKE |      |      |      |      |      |                     | 109                 | 32.0                              | 32.0                                | 32.0                                | 23.6                            | 23.1 | 9.3  |
|     |                     |      |      |      |      |      |                     | 212                 | 32.0                              | 32.0                                | 30.4                                | 20.4                            | 20.0 | 9.3  |
|     |                     |      |      |      |      |      |                     | 310                 | 31.0                              | 33.0                                | 32.0                                | 19.8                            | 19.4 | 9.3  |
|     |                     |      |      |      |      |      |                     | 411                 | 32.0                              | 32.0                                | 29.4                                | 21.8                            | 21.4 | 9.3  |
|     |                     |      |      |      |      |      |                     | Mean =              | 31.8                              | 32.3                                | 31.0                                | 21.4                            | 21.0 | 9.3  |
| 10  | GA-16HO<br>BRAKE    | 1.2  | SL   | 16.0 | oz/a | PRE  | A                   | 110                 | 32.0                              | 32.0                                | 32.0                                | 22.7                            | 22.2 | 9.3  |
|     |                     |      |      |      |      |      |                     | 211                 | 32.0                              | 32.0                                | 32.0                                | 22.1                            | 21.7 | 9.3  |
|     |                     |      |      |      |      |      |                     | 309                 | 32.0                              | 32.0                                | 31.2                                | 20.6                            | 20.2 | 9.3  |
|     |                     |      |      |      |      |      |                     | 412                 | 32.0                              | 32.0                                | 30.8                                | 21.8                            | 21.4 | 9.3  |
|     |                     |      |      |      |      |      |                     | Mean =              | 32.0                              | 32.0                                | 31.5                                | 21.8                            | 21.4 | 9.3  |



# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM    Investigator: Eric P. Prostko

| Weed Code         | -----<br>Arahy | -----<br>Arahy | -----<br>Arahy<br>AVG, -<br>WIDTH | -----<br>ARAHY<br>DIRTY, -<br>YIELD | -----<br>ARAHY<br>CLEAN, -<br>YIELD | -----<br>ARAHY<br>MOISTURE<br>% |        |      |      |      |      |      |      |     |
|-------------------|----------------|----------------|-----------------------------------|-------------------------------------|-------------------------------------|---------------------------------|--------|------|------|------|------|------|------|-----|
| Crop Code         |                |                |                                   |                                     |                                     |                                 |        |      |      |      |      |      |      |     |
| Part Rated        |                |                |                                   |                                     |                                     |                                 |        |      |      |      |      |      |      |     |
| Rating Data Type  | Wt4            | Wt5            | WIDTH                             | YIELD                               | YIELD                               | MOISTURE                        |        |      |      |      |      |      |      |     |
| Rating Unit       | In             | In             | In                                | LBS/PLOT                            | LBS/PLOT                            | %                               |        |      |      |      |      |      |      |     |
| Rating Date       | Jul-6-21       | Jul-6-21       | Jul-6-21                          | Sep-28-21                           | Sep-28-21                           | Sep-28-21                       |        |      |      |      |      |      |      |     |
| Trt-Eval Interval | 59 DA-A        | 59 DA-A        | 59 DA-A                           | 143 DA-A                            | 143 DA-A                            | 143 DA-A                        |        |      |      |      |      |      |      |     |
| Trt No.           | Treatment Name | Form Conc      | Form Type                         | Rate                                | Grow Unit                           | Appl Stg                        | Code   | Plot | 21   | 22   | 23   | 24   | 25   | 26  |
| 11                | GA-16HO BRAKE  | 1.2 SL         |                                   | 32.0 oz/a                           | PRE                                 | A                               | 111    |      | 30.0 | 30.0 | 28.0 | 22.2 | 21.8 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | 210    |      | 32.0 | 32.0 | 32.0 | 21.5 | 21.1 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | 312    |      | 31.0 | 32.0 | 28.4 | 19.7 | 19.3 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | 409    |      | 32.0 | 32.0 | 32.0 | 19.0 | 18.6 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | Mean = |      | 31.3 | 31.5 | 30.1 | 20.6 | 20.2 | 9.3 |
| 12                | GA-16HO BRAKE  | 1.2 SL         |                                   | 64.0 oz/a                           | PRE                                 | A                               | 112    |      | 24.0 | 25.0 | 21.6 | 20.7 | 20.3 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | 209    |      | 32.0 | 32.0 | 30.0 | 23.9 | 23.4 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | 311    |      | 28.0 | 30.0 | 25.4 | 20.6 | 20.2 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | 410    |      | 29.0 | 23.0 | 25.0 | 19.1 | 18.7 | 9.3 |
|                   |                |                |                                   |                                     |                                     |                                 | Mean = |      | 28.3 | 27.5 | 25.5 | 21.1 | 20.7 | 9.3 |

# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE  
WEED-FREE - YEAR 3

Trial ID: PE-04-21      Study Dir.: KYLE BRISCOE  
Location: PONDER FARM      Investigator: Eric P. Prostko

| Weed Code         |                     |           |           |           |           |          |                          | -----                        |
|-------------------|---------------------|-----------|-----------|-----------|-----------|----------|--------------------------|------------------------------|
| Crop Code         |                     |           |           |           |           |          |                          | ARAHY                        |
| Part Rated        |                     |           |           |           |           |          |                          | CLEAN, -                     |
| Rating Data Type  |                     |           |           |           |           |          |                          | YIELD                        |
| Rating Unit       |                     |           |           |           |           |          |                          | LBS/A                        |
| Rating Date       |                     |           |           |           |           |          |                          | Sep-28-21                    |
| Trt-Eval Interval |                     |           |           |           |           |          |                          | 143 DA-A                     |
| Trt No.           | Treatment Name      | Form Conc | Form Type | Rate      | Grow Unit | Appl Stg | Code Plot                |                              |
|                   |                     |           |           |           |           |          |                          | 27                           |
| 1                 | GA-06G<br>NO BRAKE  |           |           |           |           |          | 101<br>204<br>302<br>403 | 5891<br>6394<br>6199<br>6282 |
|                   |                     |           |           |           |           |          | Mean =                   | 6192                         |
| 2                 | GA-06G<br>BRAKE     | 1.2 SL    |           | 16.0 oz/a | PRE       | A        | 102<br>203<br>304<br>401 | 5947<br>6338<br>5919<br>6199 |
|                   |                     |           |           |           |           |          | Mean =                   | 6101                         |
| 3                 | GA-06G<br>BRAKE     | 1.2 SL    |           | 32.0 oz/a | PRE       | A        | 103<br>202<br>301<br>404 | 6254<br>6310<br>6031<br>6115 |
|                   |                     |           |           |           |           |          | Mean =                   | 6178                         |
| 4                 | GA-06G<br>BRAKE     | 1.2 SL    |           | 64.0 oz/a | PRE       | A        | 104<br>201<br>303<br>402 | 5864<br>6422<br>6171<br>5193 |
|                   |                     |           |           |           |           |          | Mean =                   | 5912                         |
| 5                 | GA-18RU<br>NO BRAKE |           |           |           |           |          | 105<br>208<br>307<br>406 | 7039<br>6050<br>6191<br>5739 |
|                   |                     |           |           |           |           |          | Mean =                   | 6255                         |
| 6                 | GA-18RU<br>BRAKE    | 1.2 SL    |           | 16.0 oz/a | PRE       | A        | 106<br>207<br>308<br>405 | 7067<br>6559<br>6587<br>6530 |
|                   |                     |           |           |           |           |          | Mean =                   | 6686                         |
| 7                 | GA-18RU<br>BRAKE    | 1.2 SL    |           | 32.0 oz/a | PRE       | A        | 107<br>206<br>305<br>408 | 7152<br>6869<br>6163<br>5513 |
|                   |                     |           |           |           |           |          | Mean =                   | 6424                         |
| 8                 | GA-18RU<br>BRAKE    | 1.2 SL    |           | 64.0 oz/a | PRE       | A        | 108<br>205<br>306<br>407 | 6050<br>6954<br>6134<br>5513 |
|                   |                     |           |           |           |           |          | Mean =                   | 6163                         |
| 9                 | GA-16HO<br>NO BRAKE |           |           |           |           |          | 109<br>212<br>310<br>411 | 6769<br>5851<br>5679<br>6252 |
|                   |                     |           |           |           |           |          | Mean =                   | 6138                         |
| 10                | GA-16HO<br>BRAKE    | 1.2 SL    |           | 16.0 oz/a | PRE       | A        | 110<br>211<br>309<br>412 | 6510<br>6338<br>5908<br>6252 |
|                   |                     |           |           |           |           |          | Mean =                   | 6252                         |



# University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE

WEED-FREE - YEAR 3

Trial ID: PE-04-21 Study Dir.: KYLE BRISCOE

Location: PONDER FARM Investigator: Eric P. Prostko

**PRM Data Type**

$$T3 = ([C12]+[C13]+[C14]+[C15]+[C16])/5$$

$$T4 = ([18]+[19]+[20]+[21]+[22])/5$$

$$T1 = [C24]*0.98$$

$$TY2 = 290.4*[C25]*(100-[C26])/90$$