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FLUMIOXAZIN FORMULATION TEST IN PEANUT

Trial ID: PE-20A-17 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.78211 liters calculated mix size)

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Grow Unit | Appl Stg | Code | Amt Product to Measure | Rep | | | |
|---------|----------------------|-----------|-----------|----------|-----------|----------|------|------------------------|-----|-----|-----|-----|
| | | | | | | | | | 1 | 2 | 3 | 4 |
| 1 | NTC | | | | | | | | 101 | 208 | 309 | 407 |
| 2 | VALOR SX | 51 | WG | 3.0 oz/a | | PRE | A | | 102 | 201 | 305 | 401 |
| 3 | VALOR SX | 51 | WG | 6.0 oz/a | | PRE | A | | 103 | 205 | 302 | 408 |
| 4 | RED EAGLE FLUMIOXAZI | 51 | WG | 3.0 oz/a | | PRE | A | | 104 | 203 | 306 | 402 |
| 5 | RED EAGLE FLUMIOXAZI | 51 | WG | 6.0 oz/a | | PRE | A | | 105 | 207 | 308 | 404 |
| 6 | PANTHER | 4 | SC | 3.0 oz/a | | PRE | A | | 106 | 202 | 310 | 409 |
| 7 | PANTHER | 4 | SC | 6.0 oz/a | | PRE | A | | 107 | 209 | 303 | 405 |
| 8 | VALOR EZ | 4 | SC | 3.0 oz/a | | PRE | A | | 108 | 206 | 301 | 410 |
| 9 | VALOR EZ | 4 | SC | 6.0 oz/a | | PRE | A | | 109 | 210 | 304 | 403 |
| 10 | NTC | | | | | | | | 110 | 204 | 307 | 406 |

Sort Order: Treatment

Trial Comments

AGRASS: A MIXTURE OF TEXAS PANICUM + CRABGRASS + GOOSEGRASS + CROWFOOTGRASS

DIGGING DATE: SEPTEMBER 14
 HARVEST DATE: SEPTEMBER 18
 HARVEST MOISTURE: 17.5%
 YIELDS ADJUSTED TO 10%.

ALL PRE APPLICATIONS INCLUDED PROWL H20 @ 32 OZ/A.

ALL PRE TREATMENTS WERE FOLLOWED BY A POST APPLICATION OF CADRE @ 4 OZ/A + DUAL MAGNUM @ 21 OZ/A + 2,4-DB @ 18 OZ/A ON MAY 26 (32 DAP)

SUMMARY:

- 1) NO INTERACTIONS BETWEEN FLUMIOXAZIN FORMULATION AND RATE WERE OBSERVED (P > 0.11)
- 2) WHEN AVERAGED OVER RATES, THE RED EAGLE FLUMIOXAZIN FORMULATION CAUSED LESS PEANUT INJURY WHEN COMPARED TO THE OTHER FORMULATIONS.
- 3) WHEN AVERAGED OVER FORMULATIONS, THE 6 OZ/A RATE CAUSED MORE PEANUT INJURY THAN THE 3 OZ/A RATE.
- 4) NO DIFFERENCES IN WEED CONTROL WERE OBSERVED BETWEEN FORMULATIONS OR RATE.
- 5) NO DIFFERENCES IN PEANUT YIELD WERE OBSERVED BETWEEN FORMULATIONS OR RATE (P > 0.59).

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FLUMIOXAZIN FORMULATION TEST IN PEANUT

Trial ID: PE-20A-17 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: _____ **Title:** _____
Affiliation: _____ **Postal Code:** _____

Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____ **Postal Code:** _____

Trial Status: _____ **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. AMAPA PALMER AMARANTH **2.** AGRASS PANTE+CRAB+CROW

Crop 1: ARAHY PEANUT **Variety:** GA-06G **Planting Date:** Apr-24-17
Planting Method: MONOSEM TWIN ROW **Rate:** 3.1 **SEED/FT** **Depth:** 2 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: THIMET INFR @ 3.5 LBS/A; DYNASTY PD SEED TRT; 36"-9" TWIN ROWS

| | | |
|------------------------|-------------------|-------------|
| Previous: Crops | Pesticides | Year |
| 1. PEANUT | 2016 | _____ |

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

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

MOISTURE CONDITIONS

| | | | | | | |
|-----------------|-------------|---------------|-------------|--------------------------|-----------------|-------------|
| On: Date | Time | Amount | Unit | Type | Interval | Unit |
| 1. Apr-27-17 | _____ | 0.5 | IN | SPRINKLER - LATERAL MOVE | _____ | _____ |
| 2. May-1-17 | _____ | 0.1 | IN | RAINFALL | _____ | _____ |
| 3. May-2-17 | _____ | 0.02 | IN | RAINFALL | _____ | _____ |
| 4. May-4-17 | _____ | 1.47 | IN | RAINFALL | _____ | _____ |
| 5. May-10-17 | _____ | 0.5 | IN | SPRINKLER - LATERAL MOVE | _____ | _____ |
| 6. May-17-17 | _____ | 0.5 | IN | SPRINKLER - LATERAL MOVE | _____ | _____ |
| 7. May-21-17 | _____ | 0.11 | IN | RAINFALL | _____ | _____ |
| 8. May-23-17 | _____ | 0.5 | IN | SPRINKLER - LATERAL MOVE | _____ | _____ |
| 9. May-23-17 | _____ | 0.9 | IN | RAINFALL | _____ | _____ |
| 10. May-24-17 | _____ | 0.51 | IN | RAINFALL | _____ | _____ |

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

APPLICATION DESCRIPTION

| | | | | | | |
|-----------------------------|-----------|-----------|----------|----------|----------|----------|
| | A | B | C | D | E | F |
| Application Date: | Apr-26-17 | May-26-17 | _____ | _____ | _____ | _____ |
| Time of Day: | 9:00 AM | 7:30 AM | _____ | _____ | _____ | _____ |
| Application Method: | BROADCAST | BROADCAST | _____ | _____ | _____ | _____ |
| Application Timing: | PRE | POST | _____ | _____ | _____ | _____ |
| Applic. Placement: | SOIL | FOLIAGE | _____ | _____ | _____ | _____ |
| Air Temp., Unit: | 65 F | 55 F | _____ | _____ | _____ | _____ |
| % Relative Humidity: | 90 | 97 | _____ | _____ | _____ | _____ |
| Wind Velocity, Unit: | 5 MPH | 1 MPH | _____ | _____ | _____ | _____ |
| Dew Presence (Y/N): | N | Y | _____ | _____ | _____ | _____ |
| Water Hardness: | -- | -- | _____ | _____ | _____ | _____ |
| Soil Temp., Unit: | 67 F | 63 F | _____ | _____ | _____ | _____ |
| Soil Moisture: | OPTIMUM | OPTIMUM | _____ | _____ | _____ | _____ |
| % Cloud Cover: | 0 | 0 | _____ | _____ | _____ | _____ |

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| CROP STAGE AT EACH APPLICATION | | | | | | | |
|--------------------------------|---------------|-------|-------|-------|-------|-------|-------|
| | | A | B | C | D | E | F |
| Crop 1 | Stage: ARAHY | _____ | _____ | _____ | _____ | _____ | _____ |
| | Stage Scale: | _____ | √3 | _____ | _____ | _____ | _____ |
| | Height, Unit: | _____ | 3 IN | _____ | _____ | _____ | _____ |

| WEED STAGE AT EACH APPLICATION | | | | | | | |
|--------------------------------|----------------|-------|-----------|-------|-------|-------|-------|
| | | A | B | C | D | E | F |
| Weed 1 | Stage: AMAPA | _____ | 1-2" TALL | _____ | _____ | _____ | _____ |
| | Stage Scale: | _____ | _____ | _____ | _____ | _____ | _____ |
| | Density, Unit: | _____ | _____ | _____ | _____ | _____ | _____ |
| Weed 2 | Stage: AGRASS | _____ | 2" TALL | _____ | _____ | _____ | _____ |
| | Stage Scale: | _____ | _____ | _____ | _____ | _____ | _____ |
| | Density, Unit: | _____ | _____ | _____ | _____ | _____ | _____ |

| APPLICATION EQUIPMENT | | | | | | | |
|-----------------------|----------|----------|-------|-------|-------|-------|-------|
| | | A | B | C | D | E | F |
| Appl. Equipment: | BACKPACK | BACKPACK | _____ | _____ | _____ | _____ | _____ |
| Operating Pressure: | 35 | 38 | _____ | _____ | _____ | _____ | _____ |
| Nozzle Type: | AIXR | AIXR | _____ | _____ | _____ | _____ | _____ |
| Nozzle Size: | 11002 | 11002 | _____ | _____ | _____ | _____ | _____ |
| Nozzle Spacing, Unit: | 18 | IN 20 | IN | _____ | _____ | _____ | _____ |
| Nozzles/Row: | 2 | _____ | _____ | _____ | _____ | _____ | _____ |
| Band Width, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Boom Length, Unit: | 72 | IN 60 | IN | _____ | _____ | _____ | _____ |
| Boom Height, Unit: | 20 | IN 20 | IN | _____ | _____ | _____ | _____ |
| Ground Speed, Unit: | 3.5 | MPH 3.5 | MPH | _____ | _____ | _____ | _____ |
| Incorporation Equip.: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Hours to Incorp.: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Incorp. Depth, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Carrier: | WATER | WATER | _____ | _____ | _____ | _____ | _____ |
| Spray Volume, Unit: | 15 | GPA 15 | GPA | _____ | _____ | _____ | _____ |
| Spray pH: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Propellant: | CO2 | CO2 | _____ | _____ | _____ | _____ | _____ |
| Tank Mix (Y/N): | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

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

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| FLUMIOXAZIN FORMULATION TEST IN PEANUT | | | | | | |
|--|---|---|--|--|--|---|
| Trial ID: PE-20A-17 Study Dir.: | | | | | | |
| Location: PONDER FARM Investigator: Eric P. Prostko | | | | | | |
| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec. | ----- ARAHY PLANT C STUNTING PERCENT May-8-17 12 DA-A | AMAPA ----- CONTROL PERCENT May-8-17 12 DA-A | AGRASS ----- CONTROL PERCENT May-8-17 12 DA-A | ----- ARAHY PLANT C STUNTING PERCENT May-15-17 19 DA-A | AMAPA ----- CONTROL PERCENT May-15-17 19 DA-A | AGRASS ----- CONTROL PERCENT May-15-17 19 DA-A |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Grow Unit | Appl Stg | Code |
| TABLE OF R MEANS | | | | | | |
| Replicate 1 | 31.3 | 100.0 | 100.0 | 29.4 | 100.0 | 96.9 |
| Replicate 2 | 27.5 | 100.0 | 100.0 | 25.6 | 100.0 | 93.8 |
| Replicate 3 | 29.4 | 100.0 | 100.0 | 26.3 | 100.0 | 92.5 |
| Replicate 4 | 27.5 | 100.0 | 100.0 | 27.5 | 100.0 | 89.4 |
| TABLE OF A (VALOR FORMULATION) MEANS | | | | | | |
| 1 VALOR SX | 31.3 a | 100.0 a | 100.0 a | 28.1 a | 100.0 a | 91.9 a |
| 2 RED EAGLE FLUMIOXAZI | 23.8 b | 100.0 a | 100.0 a | 20.6 b | 100.0 a | 94.4 a |
| 3 PANTHER | 32.5 a | 100.0 a | 100.0 a | 31.3 a | 100.0 a | 91.9 a |
| 4 VALOR EZ | 28.1 ab | 100.0 a | 100.0 a | 28.8 a | 100.0 a | 94.4 a |
| LSD P=.10 | 4.40 | . | . | 4.08 | . | 4.39 |
| Standard Deviation | 4.80 | 0.00 | 0.00 | 4.45 | 0.00 | 4.79 |
| CV | 16.59 | 0.00 | 0.00 | 16.36 | 0.00 | 5.14 |
| TABLE OF B (RATE/A) MEANS | | | | | | |
| 1 | 22.2 b | 100.0 a | 100.0 a | 17.8 b | 100.0 a | 91.6 b |
| 2 | 35.6 a | 100.0 a | 100.0 a | 36.6 a | 100.0 a | 94.7 a |
| LSD P=.10 | 2.78 | . | . | 4.33 | . | 2.55 |
| Standard Deviation | 3.35 | 0.00 | 0.00 | 5.20 | 0.00 | 3.06 |
| CV | 11.58 | 0.00 | 0.00 | 19.14 | 0.00 | 3.29 |
| TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS | | | | | | |
| 1 VALOR SX | 25.0 a | 100.0 a | 100.0 a | 17.5 a | 100.0 a | 93.8 a |
| 1 | 17.5 a | 100.0 a | 100.0 a | 13.8 a | 100.0 a | 96.3 a |
| 2 RED EAGLE FLUMIOXAZI | 17.5 a | 100.0 a | 100.0 a | 13.8 a | 100.0 a | 96.3 a |
| 1 | 26.3 a | 100.0 a | 100.0 a | 21.3 a | 100.0 a | 83.8 a |
| 3 PANTHER | 26.3 a | 100.0 a | 100.0 a | 21.3 a | 100.0 a | 83.8 a |
| 1 | 20.0 a | 100.0 a | 100.0 a | 18.8 a | 100.0 a | 92.5 a |
| 4 VALOR EZ | 20.0 a | 100.0 a | 100.0 a | 18.8 a | 100.0 a | 92.5 a |
| 1 | 37.5 a | 100.0 a | 100.0 a | 38.8 a | 100.0 a | 90.0 a |
| 1 VALOR SX | 37.5 a | 100.0 a | 100.0 a | 38.8 a | 100.0 a | 90.0 a |
| 2 | 30.0 a | 100.0 a | 100.0 a | 27.5 a | 100.0 a | 92.5 a |
| 2 RED EAGLE FLUMIOXAZI | 30.0 a | 100.0 a | 100.0 a | 27.5 a | 100.0 a | 92.5 a |
| 2 | 38.8 a | 100.0 a | 100.0 a | 41.3 a | 100.0 a | 100.0 a |
| 3 PANTHER | 38.8 a | 100.0 a | 100.0 a | 41.3 a | 100.0 a | 100.0 a |
| 2 | 36.3 a | 100.0 a | 100.0 a | 38.8 a | 100.0 a | 96.3 a |
| 4 VALOR EZ | 36.3 a | 100.0 a | 100.0 a | 38.8 a | 100.0 a | 96.3 a |
| 2 | 7.34 | . | . | 5.07 | . | 10.67 |
| LSD P=.10 | 5.66 | 0.00 | 0.00 | 3.91 | 0.00 | 8.23 |
| Standard Deviation | 19.58 | 0.00 | 0.00 | 14.38 | 0.00 | 8.84 |
| CV | | | | | | |

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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| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec. | ----- ARAHY PLANT C STUNTING PERCENT May-24-17 28 DA-A | AMAPA ----- CONTROL PERCENT May-24-17 28 DA-A | AGRASS ----- CONTROL PERCENT May-24-17 28 DA-A | ----- ARAHY PLANT C STUNTING PERCENT Jun-8-17 43 DA-A | AMAPA ----- CONTROL PERCENT Jun-8-17 43 DA-A | AGRASS ----- CONTROL PERCENT Jun-8-17 43 DA-A |
|--|--|--|---|---|---|--|
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Grow Unit | Appl Stg | Code |
| TABLE OF R MEANS | | | | | | |
| Replicate 1 | 15.0 | 100.0 | 95.6 | 18.8 | 100.0 | 95.6 |
| Replicate 2 | 11.9 | 100.0 | 91.3 | 10.0 | 100.0 | 90.6 |
| Replicate 3 | 15.0 | 99.4 | 85.6 | 9.4 | 99.4 | 90.0 |
| Replicate 4 | 16.9 | 99.4 | 83.1 | 16.3 | 98.8 | 88.1 |
| TABLE OF A (VALOR FORMULATION) MEANS | | | | | | |
| 1 VALOR SX | 51 WG | | | | | |
| | | 15.0 b | 100.0 a | 89.4 a | 18.1 a | 100.0 a |
| 2 RED EAGLE FLUMIOXAZI | 51 WG | | | | | |
| | | 12.5 c | 100.0 a | 90.0 a | 8.1 c | 100.0 a |
| 3 PANTHER | 4 SC | | | | | |
| | | 16.9 a | 99.4 a | 87.5 a | 15.0 b | 98.8 a |
| 4 VALOR EZ | 4 SC | | | | | |
| | | 14.4 b | 99.4 a | 88.8 a | 13.1 b | 99.4 a |
| LSD P=.10 | | 1.21 | 1.21 | 7.57 | 2.43 | 1.11 |
| Standard Deviation | | 1.32 | 1.32 | 8.25 | 2.65 | 1.21 |
| CV | | 8.97 | 1.32 | 9.28 | 19.51 | 1.22 |
| TABLE OF B (RATE/A) MEANS | | | | | | |
| 1 | | | 3.0 oz/a | PRE | A | |
| | | 10.6 b | 99.4 a | 86.9 a | 6.6 b | 99.1 a |
| 2 | | | 6.0 oz/a | PRE | A | |
| | | 18.8 a | 100.0 a | 90.9 a | 20.6 a | 100.0 a |
| LSD P=.10 | | 0.85 | 0.85 | 4.86 | 5.29 | 1.41 |
| Standard Deviation | | 1.02 | 1.02 | 5.84 | 6.35 | 1.69 |
| CV | | 6.95 | 1.02 | 6.57 | 46.74 | 1.70 |
| TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS | | | | | | |
| 1 VALOR SX | 51 WG | | | | | |
| | | 12.5 a | 100.0 a | 91.3 a | 11.3 a | 100.0 a |
| 1 | | | 3.0 oz/a | PRE | A | |
| 2 RED EAGLE FLUMIOXAZI | 51 WG | | | | | |
| | | 10.0 a | 100.0 a | 91.3 a | 3.8 a | 100.0 a |
| 1 | | | 3.0 oz/a | PRE | A | |
| 3 PANTHER | 4 SC | | | | | |
| | | 12.5 a | 98.8 a | 80.0 a | 7.5 a | 97.5 a |
| 1 | | | 3.0 oz/a | PRE | A | |
| 4 VALOR EZ | 4 SC | | | | | |
| | | 7.5 a | 98.8 a | 85.0 a | 3.8 a | 98.8 a |
| 1 | | | 3.0 oz/a | PRE | A | |
| 1 VALOR SX | 51 WG | | | | | |
| | | 17.5 a | 100.0 a | 87.5 a | 25.0 a | 100.0 a |
| 2 | | | 6.0 oz/a | PRE | A | |
| 2 RED EAGLE FLUMIOXAZI | 51 WG | | | | | |
| | | 15.0 a | 100.0 a | 88.8 a | 12.5 a | 100.0 a |
| 2 | | | 6.0 oz/a | PRE | A | |
| 3 PANTHER | 4 SC | | | | | |
| | | 21.3 a | 100.0 a | 95.0 a | 22.5 a | 100.0 a |
| 2 | | | 6.0 oz/a | PRE | A | |
| 4 VALOR EZ | 4 SC | | | | | |
| | | 21.3 a | 100.0 a | 92.5 a | 22.5 a | 100.0 a |
| 2 | | | 6.0 oz/a | PRE | A | |
| LSD P=.10 | | 5.56 | 1.71 | 12.08 | 8.16 | 1.57 |
| Standard Deviation | | 4.29 | 1.32 | 9.32 | 6.30 | 1.21 |
| CV | | 29.21 | 1.32 | 10.48 | 46.33 | 1.22 |

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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| Weed Code | AMAPA | AGRASS | AMAPA | A.GRASS | ----- | ----- |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Crop Code | ----- | ----- | ----- | ----- | ARAHY | ARAHY |
| Part Rated | | | | | PLOT - | PLOT - |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL | YIELD | YIELD |
| Rating Unit | PERCENT | PERCENT | PERCENT | PERCENT | LBS/PLOT | LBS/A |
| Rating Date | Jun-28-17 | Jun-28-17 | Jul-31-17 | Jul-31-17 | Sep-18-17 | Sep-18-17 |
| Trt-Eval Interval | 63 DA-A | 63 DA-A | 96 DA-A | 96 DA-A | 145 DA-A | 145 DA-A |
| PRM Data Type | | | | | | TY1 |
| # Subsamples, Dec. | | | | | - 2 | - 1 |
| Trt Treatment | 13 | 14 | 15 | 16 | 17 | 18 |
| No. Name | | | | | | |
| Form Form | | | | | | |
| Rate Grow Appl | | | | | | |
| Conc Type Rate Unit Stg Code | | | | | | |
| TABLE OF R MEANS | | | | | | |
| Replicate 1 | 100.0 | 98.8 | 99.8 | 96.0 | 13.50 | 3593.7 |
| Replicate 2 | 100.0 | 96.3 | 100.0 | 94.9 | 17.63 | 4691.8 |
| Replicate 3 | 99.4 | 96.9 | 99.4 | 94.4 | 18.62 | 4956.3 |
| Replicate 4 | 99.4 | 96.3 | 99.4 | 92.9 | 17.79 | 4736.7 |
| TABLE OF A (VALOR FORMULATION) MEANS | | | | | | |
| 1 VALOR SX | 100.0 a | 96.9 a | 100.0 a | 95.0 a | 17.27 a | 4596.9 a |
| 2 RED EAGLE FLUMIOXAZI | 100.0 a | 96.9 a | 100.0 a | 94.1 a | 16.67 a | 4437.2 a |
| 3 PANTHER | 99.4 a | 96.9 a | 99.1 a | 93.3 a | 16.45 a | 4379.0 a |
| 4 VALOR EZ | 99.4 a | 97.5 a | 99.4 a | 95.8 a | 17.15 a | 4565.3 a |
| LSD P=.10 | 1.21 | 3.34 | 1.20 | 4.59 | 1.498 | 398.82 |
| Standard Deviation | 1.32 | 3.64 | 1.31 | 5.01 | 1.635 | 435.12 |
| CV | 1.32 | 3.76 | 1.32 | 5.30 | 9.681 | 9.68 |
| TABLE OF B (RATE/A) MEANS | | | | | | |
| 1 | 99.4 a | 96.3 a | 99.4 a | 93.2 a | 16.75 a | 4459.7 a |
| 2 | 100.0 a | 97.8 a | 99.9 a | 95.9 a | 17.02 a | 4529.6 a |
| LSD P=.10 | 0.85 | 3.26 | 1.05 | 2.76 | 1.047 | 278.65 |
| Standard Deviation | 1.02 | 3.92 | 1.26 | 3.32 | 1.258 | 334.89 |
| CV | 1.02 | 4.04 | 1.26 | 3.51 | 7.451 | 7.45 |
| TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS | | | | | | |
| 1 VALOR SX | 100.0 a | 96.3 a | 100.0 a | 95.0 a | 17.68 a | 4705.1 a |
| 1 | | | | | | |
| 2 RED EAGLE FLUMIOXAZI | 100.0 a | 95.0 a | 100.0 a | 92.5 a | 16.29 a | 4335.7 a |
| 1 | | | | | | |
| 3 PANTHER | 98.8 a | 96.3 a | 98.8 a | 90.8 a | 16.40 a | 4365.7 a |
| 1 | | | | | | |
| 4 VALOR EZ | 98.8 a | 97.5 a | 98.8 a | 94.5 a | 16.65 a | 4432.2 a |
| 1 | | | | | | |
| 1 VALOR SX | 100.0 a | 97.5 a | 100.0 a | 95.0 a | 16.86 a | 4488.8 a |
| 2 | | | | | | |
| 2 RED EAGLE FLUMIOXAZI | 100.0 a | 98.8 a | 100.0 a | 95.8 a | 17.05 a | 4538.7 a |
| 2 | | | | | | |
| 3 PANTHER | 100.0 a | 97.5 a | 99.5 a | 95.8 a | 16.50 a | 4392.3 a |
| 2 | | | | | | |
| 4 VALOR EZ | 100.0 a | 97.5 a | 100.0 a | 97.0 a | 17.65 a | 4698.4 a |
| 2 | | | | | | |
| LSD P=.10 | 1.71 | 3.26 | 1.83 | 3.79 | 1.878 | 499.98 |
| Standard Deviation | 1.32 | 2.52 | 1.41 | 2.92 | 1.449 | 385.72 |
| CV | 1.32 | 2.59 | 1.42 | 3.09 | 8.582 | 8.58 |

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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| COMPLETE FACTORIAL AOV For ----- ARAHY PLANT C STUNTING PERCENT May-8-17 12 DA-A (Data Column 1) | | | | | | |
|--|----|----------------|-------------|---------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 2436.718750 | | | | |
| R | 3 | 77.343750 | 25.781250 | 0.805 | 0.5221 | |
| A | 3 | 364.843750 | 121.614583 | 5.287 | 0.0224 | 4.4 |
| RA | 9 | 207.031250 | 23.003472 | | | |
| B | 1 | 1444.531250 | 1444.531250 | 129.000 | 0.0015 | 2.8 |
| RB | 3 | 33.593750 | 11.197917 | | | |
| AB | 3 | 21.093750 | 7.031250 | 0.220 | 0.8804 | 7.3 |
| RAB | 9 | 288.281250 | 32.031250 | | | |

| COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-8-17 12 DA-A (Data Column 2) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 0.000000 | | | | |
| R | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| A | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RA | 9 | 0.000000 | 0.000000 | | | |
| B | 1 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RB | 3 | 0.000000 | 0.000000 | | | |
| AB | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RAB | 9 | 0.000000 | 0.000000 | | | |

| COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-8-17 12 DA-A (Data Column 3) | | | | | | |
|--|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 0.000000 | | | | |
| R | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| A | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RA | 9 | 0.000000 | 0.000000 | | | |
| B | 1 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RB | 3 | 0.000000 | 0.000000 | | | |
| AB | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RAB | 9 | 0.000000 | 0.000000 | | | |

| COMPLETE FACTORIAL AOV For ----- ARAHY PLANT C STUNTING PERCENT May-15-17 19 DA-A (Data Column 4) | | | | | | |
|---|----|----------------|-------------|---------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 3846.875000 | | | | |
| R | 3 | 65.625000 | 21.875000 | 1.432 | 0.2967 | |
| A | 3 | 503.125000 | 167.708333 | 8.474 | 0.0055 | 4.1 |
| RA | 9 | 178.125000 | 19.791667 | | | |
| B | 1 | 2812.500000 | 2812.500000 | 103.846 | 0.0020 | 4.3 |
| RB | 3 | 81.250000 | 27.083333 | | | |
| AB | 3 | 68.750000 | 22.916667 | 1.500 | 0.2797 | 5.1 |
| RAB | 9 | 137.500000 | 15.277778 | | | |

| COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-15-17 19 DA-A (Data Column 5) | | | | | | |
|--|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 0.000000 | | | | |
| R | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| A | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RA | 9 | 0.000000 | 0.000000 | | | |
| B | 1 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RB | 3 | 0.000000 | 0.000000 | | | |
| AB | 3 | 0.000000 | 0.000000 | 0.000 | 1.0000 | |
| RAB | 9 | 0.000000 | 0.000000 | | | |

| COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-15-17 19 DA-A (Data Column 6) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 1737.500000 | | | | |
| R | 3 | 231.250000 | 77.083333 | 1.138 | 0.3847 | |
| A | 3 | 50.000000 | 16.666667 | 0.727 | 0.5610 | 4.4 |
| RA | 9 | 206.250000 | 22.916667 | | | |
| B | 1 | 78.125000 | 78.125000 | 8.333 | 0.0632 | 2.5 |
| RB | 3 | 28.125000 | 9.375000 | | | |
| AB | 3 | 534.375000 | 178.125000 | 2.631 | 0.1140 | 10.7 |
| RAB | 9 | 609.375000 | 67.708333 | | | |

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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| COMPLETE FACTORIAL AOV For ----- ARAHY PLANT C STUNTING PERCENT May-24-17 28 DA-A (Data Column 7) | | | | | | |
|---|----|----------------|-------------|---------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 996.875000 | | | | |
| R | 3 | 103.125000 | 34.375000 | 1.868 | 0.2054 | |
| A | 3 | 78.125000 | 26.041667 | 15.000 | 0.0008 | 1.2 |
| RA | 9 | 15.625000 | 1.736111 | | | |
| B | 1 | 528.125000 | 528.125000 | 507.000 | 0.0002 | 0.8 |
| RB | 3 | 3.125000 | 1.041667 | | | |
| AB | 3 | 103.125000 | 34.375000 | 1.868 | 0.2054 | 5.6 |
| RAB | 9 | 165.625000 | 18.402778 | | | |

| COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-24-17 28 DA-A (Data Column 8) | | | | | | |
|--|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 46.875000 | | | | |
| R | 3 | 3.125000 | 1.041667 | 0.600 | 0.6310 | |
| A | 3 | 3.125000 | 1.041667 | 0.600 | 0.6310 | 1.2 |
| RA | 9 | 15.625000 | 1.736111 | | | |
| B | 1 | 3.125000 | 3.125000 | 3.000 | 0.1817 | 0.8 |
| RB | 3 | 3.125000 | 1.041667 | | | |
| AB | 3 | 3.125000 | 1.041667 | 0.600 | 0.6310 | 1.7 |
| RAB | 9 | 15.625000 | 1.736111 | | | |

| COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-24-17 28 DA-A (Data Column 9) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 2886.718750 | | | | |
| R | 3 | 758.593750 | 252.864583 | 2.910 | 0.0934 | |
| A | 3 | 27.343750 | 9.114583 | 0.134 | 0.9375 | 7.6 |
| RA | 9 | 613.281250 | 68.142361 | | | |
| B | 1 | 132.031250 | 132.031250 | 3.870 | 0.1438 | 4.9 |
| RB | 3 | 102.343750 | 34.114583 | | | |
| AB | 3 | 471.093750 | 157.031250 | 1.807 | 0.2159 | 12.1 |
| RAB | 9 | 782.031250 | 86.892361 | | | |

| COMPLETE FACTORIAL AOV For ----- ARAHY PLANT C STUNTING PERCENT Jun-8-17 43 DA-A (Data Column 10) | | | | | | |
|---|----|----------------|-------------|--------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 3161.718750 | | | | |
| R | 3 | 514.843750 | 171.614583 | 4.326 | 0.0379 | |
| A | 3 | 421.093750 | 140.364583 | 19.963 | 0.0003 | 2.4 |
| RA | 9 | 63.281250 | 7.031250 | | | |
| B | 1 | 1582.031250 | 1582.031250 | 39.194 | 0.0082 | 5.3 |
| RB | 3 | 121.093750 | 40.364583 | | | |
| AB | 3 | 102.343750 | 34.114583 | 0.860 | 0.4962 | 8.2 |
| RAB | 9 | 357.031250 | 39.670139 | | | |

| COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-8-17 43 DA-A (Data Column 11) | | | | | | |
|--|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 67.968750 | | | | |
| R | 3 | 8.593750 | 2.864583 | 1.941 | 0.1936 | |
| A | 3 | 8.593750 | 2.864583 | 1.941 | 0.1936 | 1.1 |
| RA | 9 | 13.281250 | 1.475694 | | | |
| B | 1 | 7.031250 | 7.031250 | 2.455 | 0.2152 | 1.4 |
| RB | 3 | 8.593750 | 2.864583 | | | |
| AB | 3 | 8.593750 | 2.864583 | 1.941 | 0.1936 | 1.6 |
| RAB | 9 | 13.281250 | 1.475694 | | | |

| COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT Jun-8-17 43 DA-A (Data Column 12) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 1286.718750 | | | | |
| R | 3 | 246.093750 | 82.031250 | 2.311 | 0.1448 | |
| A | 3 | 21.093750 | 7.031250 | 0.224 | 0.8771 | 5.1 |
| RA | 9 | 282.031250 | 31.336806 | | | |
| B | 1 | 0.781250 | 0.781250 | 0.008 | 0.9360 | 8.4 |
| RB | 3 | 308.593750 | 102.864583 | | | |
| AB | 3 | 108.593750 | 36.197917 | 1.020 | 0.4286 | 7.7 |
| RAB | 9 | 319.531250 | 35.503472 | | | |

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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| COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-28-17 63 DA-A (Data Column 13) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 46.875000 | | | | |
| R | 3 | 3.125000 | 1.041667 | 0.600 | 0.6310 | |
| A | 3 | 3.125000 | 1.041667 | 0.600 | 0.6310 | 1.2 |
| RA | 9 | 15.625000 | 1.736111 | | | |
| B | 1 | 3.125000 | 3.125000 | 3.000 | 0.1817 | 0.8 |
| RB | 3 | 3.125000 | 1.041667 | | | |
| AB | 3 | 3.125000 | 1.041667 | 0.600 | 0.6310 | 1.7 |
| RAB | 9 | 15.625000 | 1.736111 | | | |

| COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT Jun-28-17 63 DA-A (Data Column 14) | | | | | | |
|--|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 292.968750 | | | | |
| R | 3 | 33.593750 | 11.197917 | 1.767 | 0.2232 | |
| A | 3 | 2.343750 | 0.781250 | 0.059 | 0.9801 | 3.3 |
| RA | 9 | 119.531250 | 13.281250 | | | |
| B | 1 | 19.531250 | 19.531250 | 1.271 | 0.3416 | 3.3 |
| RB | 3 | 46.093750 | 15.364583 | | | |
| AB | 3 | 14.843750 | 4.947917 | 0.781 | 0.5339 | 3.3 |
| RAB | 9 | 57.031250 | 6.336806 | | | |

| COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jul-31-17 96 DA-A (Data Column 15) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 49.500000 | | | | |
| R | 3 | 2.250000 | 0.750000 | 0.375 | 0.7733 | |
| A | 3 | 4.750000 | 1.583333 | 0.919 | 0.4698 | 1.2 |
| RA | 9 | 15.500000 | 1.722222 | | | |
| B | 1 | 2.000000 | 2.000000 | 1.263 | 0.3429 | 1.0 |
| RB | 3 | 4.750000 | 1.583333 | | | |
| AB | 3 | 2.250000 | 0.750000 | 0.375 | 0.7733 | 1.8 |
| RAB | 9 | 18.000000 | 2.000000 | | | |

| COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT Jul-31-17 96 DA-A (Data Column 16) | | | | | | |
|---|----|----------------|-------------|-------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 487.968750 | | | | |
| R | 3 | 40.343750 | 13.447917 | 1.576 | 0.2620 | |
| A | 3 | 28.093750 | 9.364583 | 0.373 | 0.7747 | 4.6 |
| RA | 9 | 226.031250 | 25.114583 | | | |
| B | 1 | 57.781250 | 57.781250 | 5.238 | 0.1061 | 2.8 |
| RB | 3 | 33.093750 | 11.031250 | | | |
| AB | 3 | 25.843750 | 8.614583 | 1.010 | 0.4324 | 3.8 |
| RAB | 9 | 76.781250 | 8.531250 | | | |

| COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-18-17 145 DA-A 2 (Data Column 17) | | | | | | |
|--|----|----------------|-------------|--------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 182.522188 | | | | |
| R | 3 | 126.700313 | 42.233438 | 20.115 | 0.0002 | |
| A | 3 | 3.627812 | 1.209271 | 0.453 | 0.7218 | 1.50 |
| RA | 9 | 24.046563 | 2.671840 | | | |
| B | 1 | 0.551250 | 0.551250 | 0.348 | 0.5966 | 1.05 |
| RB | 3 | 4.748125 | 1.582708 | | | |
| AB | 3 | 3.951875 | 1.317292 | 0.627 | 0.6153 | 1.88 |
| RAB | 9 | 18.896250 | 2.099583 | | | |

| COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-18-17 145 DA-A TY1 1 (Data Column 18) | | | | | | |
|---|----|-----------------|----------------|--------|---------|-----------|
| Source | DF | Sum of Squares | Mean Square | F | Prob(F) | LSD (.10) |
| Total | 31 | 12933967.560388 | | | | |
| R | 3 | 8978293.292513 | 2992764.430838 | 20.115 | 0.0002 | |
| A | 3 | 257075.645612 | 85691.881871 | 0.453 | 0.7218 | 398.8 |
| RA | 9 | 1703998.092363 | 189333.121374 | | | |
| B | 1 | 39062.920050 | 39062.920050 | 0.348 | 0.5966 | 278.6 |
| RB | 3 | 336463.722925 | 112154.574308 | | | |
| AB | 3 | 280039.505075 | 93346.501692 | 0.627 | 0.6153 | 500.0 |
| RAB | 9 | 1339034.381850 | 148781.597983 | | | |

Weed Code
 AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Part Rated
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
 C = Crop is Part Rated
PRM Data Type
 TY1 = 266.2*[17]

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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| FLUMIOXAZIN FORMULATION TEST IN PEANUT | | | | | | | | | | | |
|--|---|---|--|--|--|------------------------------------|--------------------------------------|---|---|--------------------------------------|---|
| Trial ID: PE-20A-17 | | Study Dir.: | | | | | | | | | |
| Location: PONDER FARM | | Investigator: Eric P. Prostko | | | | | | | | | |
| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec. | | | | | | | | | | | |
| | ----- ARAHY PLANT C STUNTING PERCENT May-8-17 12 DA-A | AMAPA ----- CONTROL PERCENT May-8-17 12 DA-A | AGRASS ----- CONTROL PERCENT May-8-17 12 DA-A | ----- ARAHY PLANT C STUNTING PERCENT May-15-17 19 DA-A | AMAPA ----- CONTROL PERCENT May-15-17 19 DA-A | | | | | | |
| Trt Treatment No. Name | Form Form Conc Type | Rate Rate | Grow Unit | Appl Stg | Code Code | Plot Plot | 1 | 2 | 3 | 4 | 5 |
| 1 NTC | | | | | | 101 208 309 407 Mean = | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 |
| 2 VALOR SX | 51 WG | 3.0 oz/a | PRE | A | | 102 201 305 401 Mean = | 30.0 20.0 30.0 20.0 25.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 20.0 15.0 15.0 20.0 17.5 | 100.0 100.0 100.0 100.0 100.0 |
| 3 VALOR SX | 51 WG | 6.0 oz/a | PRE | A | | 103 205 302 408 Mean = | 40.0 30.0 40.0 40.0 37.5 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 40.0 35.0 40.0 40.0 38.8 | 100.0 100.0 100.0 100.0 100.0 |
| 4 RED EAGLE FLUMIOXAZI | 51 WG | 3.0 oz/a | PRE | A | | 104 203 306 402 Mean = | 10.0 20.0 20.0 20.0 17.5 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 10.0 15.0 15.0 15.0 13.8 | 100.0 100.0 100.0 100.0 100.0 |
| 5 RED EAGLE FLUMIOXAZI | 51 WG | 6.0 oz/a | PRE | A | | 105 207 308 404 Mean = | 35.0 35.0 30.0 20.0 30.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 25.0 30.0 30.0 25.0 27.5 | 100.0 100.0 100.0 100.0 100.0 |
| 6 PANTHER | 4 SC | 3.0 oz/a | PRE | A | | 106 202 310 409 Mean = | 35.0 20.0 20.0 30.0 26.3 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 20.0 20.0 25.0 20.0 21.3 | 100.0 100.0 100.0 100.0 100.0 |
| 7 PANTHER | 4 SC | 6.0 oz/a | PRE | A | | 107 209 303 405 Mean = | 40.0 40.0 40.0 35.0 38.8 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 50.0 40.0 35.0 40.0 41.3 | 100.0 100.0 100.0 100.0 100.0 |
| 8 VALOR EZ | 4 SC | 3.0 oz/a | PRE | A | | 108 206 301 410 Mean = | 20.0 20.0 20.0 20.0 20.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 20.0 15.0 15.0 25.0 18.8 | 100.0 100.0 100.0 100.0 100.0 |
| 9 VALOR EZ | 4 SC | 6.0 oz/a | PRE | A | | 109 210 304 403 Mean = | 40.0 35.0 35.0 35.0 36.3 | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 50.0 35.0 35.0 35.0 38.8 | 100.0 100.0 100.0 100.0 100.0 |
| 10 NTC | | | | | | 110 204 307 406 Mean = | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 |

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| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec. | | | | | AGRASS ----- CONTROL PERCENT May-15-17 19 DA-A | ----- ARAHY PLANT C STUNTING PERCENT May-24-17 28 DA-A | AMAPA ----- CONTROL PERCENT May-24-17 28 DA-A | AGRASS ----- CONTROL PERCENT May-24-17 28 DA-A | ----- ARAHY PLANT C STUNTING PERCENT Jun-8-17 43 DA-A |
|--|----------------------|------|------|----------|---|--|--|---|---|
| Trt | Treatment | Form | Form | Rate | Grow | Appl | | | |
| No. | Name | Conc | Type | Rate | Unit | Stg | Code | Plot | |
| | | | | | | | | | |
| 1 | NTC | | | | | | | 101 | 0.0 |
| | | | | | | | | 208 | 0.0 |
| | | | | | | | | 309 | 0.0 |
| | | | | | | | | 407 | 0.0 |
| | | | | | | | | Mean = | 0.0 |
| 2 | VALOR SX | 51 | WG | 3.0 oz/a | PRE | A | | 102 | 95.0 |
| | | | | | | | | 201 | 95.0 |
| | | | | | | | | 305 | 85.0 |
| | | | | | | | | 401 | 100.0 |
| | | | | | | | | Mean = | 93.8 |
| 3 | VALOR SX | 51 | WG | 6.0 oz/a | PRE | A | | 103 | 95.0 |
| | | | | | | | | 205 | 85.0 |
| | | | | | | | | 302 | 95.0 |
| | | | | | | | | 408 | 85.0 |
| | | | | | | | | Mean = | 90.0 |
| 4 | RED EAGLE FLUMIOXAZI | 51 | WG | 3.0 oz/a | PRE | A | | 104 | 95.0 |
| | | | | | | | | 203 | 100.0 |
| | | | | | | | | 306 | 95.0 |
| | | | | | | | | 402 | 95.0 |
| | | | | | | | | Mean = | 96.3 |
| 5 | RED EAGLE FLUMIOXAZI | 51 | WG | 6.0 oz/a | PRE | A | | 105 | 95.0 |
| | | | | | | | | 207 | 95.0 |
| | | | | | | | | 308 | 90.0 |
| | | | | | | | | 404 | 90.0 |
| | | | | | | | | Mean = | 92.5 |
| 6 | PANTHER | 4 | SC | 3.0 oz/a | PRE | A | | 106 | 95.0 |
| | | | | | | | | 202 | 90.0 |
| | | | | | | | | 310 | 85.0 |
| | | | | | | | | 409 | 65.0 |
| | | | | | | | | Mean = | 83.8 |
| 7 | PANTHER | 4 | SC | 6.0 oz/a | PRE | A | | 107 | 100.0 |
| | | | | | | | | 209 | 100.0 |
| | | | | | | | | 303 | 100.0 |
| | | | | | | | | 405 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| 8 | VALOR EZ | 4 | SC | 3.0 oz/a | PRE | A | | 108 | 100.0 |
| | | | | | | | | 206 | 85.0 |
| | | | | | | | | 301 | 100.0 |
| | | | | | | | | 410 | 85.0 |
| | | | | | | | | Mean = | 92.5 |
| 9 | VALOR EZ | 4 | SC | 6.0 oz/a | PRE | A | | 109 | 100.0 |
| | | | | | | | | 210 | 100.0 |
| | | | | | | | | 304 | 90.0 |
| | | | | | | | | 403 | 95.0 |
| | | | | | | | | Mean = | 96.3 |
| 10 | NTC | | | | | | | 110 | 0.0 |
| | | | | | | | | 204 | 0.0 |
| | | | | | | | | 307 | 0.0 |
| | | | | | | | | 406 | 0.0 |
| | | | | | | | | Mean = | 0.0 |

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| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec. | | | | | AMAPA ----- CONTROL PERCENT Jun-8-17 43 DA-A | AGRASS ----- CONTROL PERCENT Jun-8-17 43 DA-A | AMAPA ----- CONTROL PERCENT Jun-28-17 63 DA-A | AGRASS ----- CONTROL PERCENT Jun-28-17 63 DA-A | AMAPA ----- CONTROL PERCENT Jul-31-17 96 DA-A |
|--|------------------------|------|------|----------|---|--|--|---|--|
| Trt | Treatment | Form | Form | Rate | Grow | Appl | | | |
| No. | Name | Conc | Type | Rate | Unit | Stg | Code | Plot | |
| | | | | | | | | | |
| | 1 NTC | | | | | | | 11 | 12 |
| | | | | | | | | 13 | 14 |
| | | | | | | | | 15 | |
| | | | | | | | | 101 | 0.0 |
| | | | | | | | | 208 | 0.0 |
| | | | | | | | | 309 | 0.0 |
| | | | | | | | | 407 | 0.0 |
| | | | | | | | | Mean = | 0.0 |
| | 2 VALOR SX | 51 | WG | 3.0 oz/a | PRE | A | | 102 | 100.0 |
| | | | | | | | | 201 | 100.0 |
| | | | | | | | | 305 | 100.0 |
| | | | | | | | | 401 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| | 3 VALOR SX | 51 | WG | 6.0 oz/a | PRE | A | | 103 | 100.0 |
| | | | | | | | | 205 | 100.0 |
| | | | | | | | | 302 | 100.0 |
| | | | | | | | | 408 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| | 4 RED EAGLE FLUMIOXAZI | 51 | WG | 3.0 oz/a | PRE | A | | 104 | 100.0 |
| | | | | | | | | 203 | 100.0 |
| | | | | | | | | 306 | 100.0 |
| | | | | | | | | 402 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| | 5 RED EAGLE FLUMIOXAZI | 51 | WG | 6.0 oz/a | PRE | A | | 105 | 100.0 |
| | | | | | | | | 207 | 100.0 |
| | | | | | | | | 308 | 100.0 |
| | | | | | | | | 404 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| | 6 PANTHER | 4 | SC | 3.0 oz/a | PRE | A | | 106 | 100.0 |
| | | | | | | | | 202 | 100.0 |
| | | | | | | | | 310 | 95.0 |
| | | | | | | | | 409 | 95.0 |
| | | | | | | | | Mean = | 97.5 |
| | 7 PANTHER | 4 | SC | 6.0 oz/a | PRE | A | | 107 | 100.0 |
| | | | | | | | | 209 | 100.0 |
| | | | | | | | | 303 | 100.0 |
| | | | | | | | | 405 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| | 8 VALOR EZ | 4 | SC | 3.0 oz/a | PRE | A | | 108 | 100.0 |
| | | | | | | | | 206 | 100.0 |
| | | | | | | | | 301 | 100.0 |
| | | | | | | | | 410 | 95.0 |
| | | | | | | | | Mean = | 98.8 |
| | 9 VALOR EZ | 4 | SC | 6.0 oz/a | PRE | A | | 109 | 100.0 |
| | | | | | | | | 210 | 100.0 |
| | | | | | | | | 304 | 100.0 |
| | | | | | | | | 403 | 100.0 |
| | | | | | | | | Mean = | 100.0 |
| | 10 NTC | | | | | | | 110 | 0.0 |
| | | | | | | | | 204 | 0.0 |
| | | | | | | | | 307 | 0.0 |
| | | | | | | | | 406 | 0.0 |
| | | | | | | | | Mean = | 0.0 |

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| Weed Code | | | | | A. GRASS | ----- | ----- | | | |
|--------------------|----------------------|------|------|----------|-----------|-----------|-----------|-------|-------|--------|
| Crop Code | | | | | ----- | ARAHY | ARAHY | | | |
| Part Rated | | | | | | PLOT - | PLOT - | | | |
| Rating Data Type | | | | | CONTROL | YIELD | YIELD | | | |
| Rating Unit | | | | | PERCENT | LBS/PLOT | LBS/A | | | |
| Rating Date | | | | | Jul-31-17 | Sep-18-17 | Sep-18-17 | | | |
| Trt-Eval Interval | | | | | 96 DA-A | 145 DA-A | 145 DA-A | | | |
| PRM Data Type | | | | | | | TY1 | | | |
| # Subsamples, Dec. | | | | | | - 2 | - 1 | | | |
| Trt | Treatment | Form | Form | Rate | Grow | Appl | | | | |
| No. | Name | Conc | Type | Rate | Unit | Stg | Code | | | |
| | | | | | | | Plot | | | |
| | | | | | | | 16 | | | |
| | | | | | | | 17 | | | |
| | | | | | | | 18 | | | |
| 1 | NTC | | | | | | 101 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 208 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 309 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 407 | 0.0 | 0.00 | 0.0 |
| | | | | | | | Mean = | 0.0 | 0.00 | 0.0 |
| 2 | VALOR SX | 51 | WG | 3.0 oz/a | PRE | A | 102 | 95.0 | 15.00 | 3993.0 |
| | | | | | | | 201 | 95.0 | 17.00 | 4525.4 |
| | | | | | | | 305 | 95.0 | 21.30 | 5670.1 |
| | | | | | | | 401 | 95.0 | 17.40 | 4631.9 |
| | | | | | | | Mean = | 95.0 | 17.68 | 4705.1 |
| 3 | VALOR SX | 51 | WG | 6.0 oz/a | PRE | A | 103 | 95.0 | 11.55 | 3074.6 |
| | | | | | | | 205 | 95.0 | 20.30 | 5403.9 |
| | | | | | | | 302 | 95.0 | 18.00 | 4791.6 |
| | | | | | | | 408 | 95.0 | 17.60 | 4685.1 |
| | | | | | | | Mean = | 95.0 | 16.86 | 4488.8 |
| 4 | RED EAGLE FLUMIOXAZI | 51 | WG | 3.0 oz/a | PRE | A | 104 | 90.0 | 12.35 | 3287.6 |
| | | | | | | | 203 | 90.0 | 17.25 | 4592.0 |
| | | | | | | | 306 | 95.0 | 17.05 | 4538.7 |
| | | | | | | | 402 | 95.0 | 18.50 | 4924.7 |
| | | | | | | | Mean = | 92.5 | 16.29 | 4335.7 |
| 5 | RED EAGLE FLUMIOXAZI | 51 | WG | 6.0 oz/a | PRE | A | 105 | 90.0 | 13.95 | 3713.5 |
| | | | | | | | 207 | 98.0 | 18.40 | 4898.1 |
| | | | | | | | 308 | 100.0 | 15.85 | 4219.3 |
| | | | | | | | 404 | 95.0 | 20.00 | 5324.0 |
| | | | | | | | Mean = | 95.8 | 17.05 | 4538.7 |
| 6 | PANTHER | 4 | SC | 3.0 oz/a | PRE | A | 106 | 98.0 | 12.45 | 3314.2 |
| | | | | | | | 202 | 90.0 | 17.50 | 4658.5 |
| | | | | | | | 310 | 90.0 | 17.75 | 4725.1 |
| | | | | | | | 409 | 85.0 | 17.90 | 4765.0 |
| | | | | | | | Mean = | 90.8 | 16.40 | 4365.7 |
| 7 | PANTHER | 4 | SC | 6.0 oz/a | PRE | A | 107 | 100.0 | 13.85 | 3686.9 |
| | | | | | | | 209 | 95.0 | 17.05 | 4538.7 |
| | | | | | | | 303 | 90.0 | 19.00 | 5057.8 |
| | | | | | | | 405 | 98.0 | 16.10 | 4285.8 |
| | | | | | | | Mean = | 95.8 | 16.50 | 4392.3 |
| 8 | VALOR EZ | 4 | SC | 3.0 oz/a | PRE | A | 108 | 100.0 | 13.65 | 3633.6 |
| | | | | | | | 206 | 98.0 | 15.75 | 4192.7 |
| | | | | | | | 301 | 95.0 | 19.45 | 5177.6 |
| | | | | | | | 410 | 85.0 | 17.75 | 4725.1 |
| | | | | | | | Mean = | 94.5 | 16.65 | 4432.2 |
| 9 | VALOR EZ | 4 | SC | 6.0 oz/a | PRE | A | 109 | 100.0 | 15.20 | 4046.2 |
| | | | | | | | 210 | 98.0 | 17.75 | 4725.1 |
| | | | | | | | 304 | 95.0 | 20.55 | 5470.4 |
| | | | | | | | 403 | 95.0 | 17.10 | 4552.0 |
| | | | | | | | Mean = | 97.0 | 17.65 | 4698.4 |
| 10 | NTC | | | | | | 110 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 204 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 307 | 0.0 | 0.00 | 0.0 |
| | | | | | | | 406 | 0.0 | 0.00 | 0.0 |
| | | | | | | | Mean = | 0.0 | 0.00 | 0.0 |

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FLUMIOXAZIN FORMULATION TEST IN PEANUT

Trial ID: PE-20A-17 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

C = Crop is Part Rated

PRM Data Type

TY1 = 266.2*[17]