

University of Georgia

PRE APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-01-17 Study Dir.: STANLEY ROYAL (USA-17-133)
 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 Stg | Appl Code | Amt Product to Measure | Rep | | | |
|---------|----------------|-----------|-----------|-----------|----------|-----------|------------------------|-----|-----|-----|-----|
| | | | | | | | | 1 | 2 | 3 | 4 |
| 1 | TRIVENCE | 61.3 | WG | 8.0 oz/a | PRE | A | 5.991 g/mx | 101 | 207 | 304 | 411 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| 2 | TRIVENCE | 61.3 | WG | 8.0 oz/a | PRE | A | 5.991 g/mx | 102 | 212 | 309 | 410 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | 12.5 ml/mx | | | | |
| 3 | ENVIVE | 41.3 | WG | 3.5 oz/a | PRE | A | 2.621 g/mx | 103 | 206 | 311 | 409 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| 4 | ENVIVE | 41.3 | WG | 3.5 oz/a | PRE | A | 2.621 g/mx | 104 | 210 | 312 | 406 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | 12.5 ml/mx | | | | |
| 5 | CANOPY | 75 | WG | 6.0 oz/a | PRE | A | 4.493 g/mx | 105 | 209 | 308 | 403 |
| | CINCH | 7.64 | EC | 16.0 oz/a | PRE | A | 12.5 ml/mx | | | | |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| 6 | CANOPY | 75 | WG | 6.0 oz/a | PRE | A | 4.493 g/mx | 106 | 211 | 301 | 408 |
| | CINCH | 7.64 | EC | 16.0 oz/a | PRE | A | 12.5 ml/mx | | | | |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| 7 | CANOPY | 75 | WG | 5.3 oz/a | PRE | A | 3.969 g/mx | 107 | 205 | 307 | 405 |
| | ROUNDUP P-MAX | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | ENGENIA | 5 | SL | 12.8 oz/a | POST | B | 9.999 ml/mx | | | | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | 12.5 ml/mx | | | | |
| 8 | VALOR SX | 51 | WG | 3.0 oz/a | PRE | A | 2.247 g/mx | 108 | 204 | 305 | 407 |
| | ROUNDUP P-MAX | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | ENGENIA | 5 | SL | 12.8 oz/a | POST | B | 9.999 ml/mx | | | | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | 12.5 ml/mx | | | | |
| 9 | AFFORIA | 50.8 | DG | 2.5 oz/a | PRE | A | 1.872 g/mx | 109 | 201 | 306 | 404 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| 10 | AFFORIA | 50.8 | DG | 2.5 oz/a | PRE | A | 1.872 g/mx | 110 | 202 | 310 | 401 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | 25.0 ml/mx | | | | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | 17.19 ml/mx | | | | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | 12.5 ml/mx | | | | |
| 11 | NTC | | | | | | 111 | 203 | 302 | 412 | |
| 12 | NTC | | | | | | 112 | 208 | 303 | 402 | |

Sort Order: Treatment

Trial Comments

TRIVENCE = FLUMIOXAZIN (12.8%) + METRIBUZIN (44.6%) + CHLORIMURON (3.9%)
 ENVIVE = FLUMIOXAZIN (29.2%) + CHLORIMURON (9.2%) + THIFENSULFURON (2.9%)
 CANOPY = METRIBUZIN (64.3%) + CHLORIMURON (10.7%)
 AFFORIA = FLUMIOXAZIN (40.8%) + THIFENSULFURON (5%) + TRIBENURON (5%)

ANNUAL GRASS: A NON-UNIFORM MIXTURE OF TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, AND GOOSEGRASS

SUMMARY:

- 1) NO SIGNIFICANT CROP INJURY WAS OBSERVED FROM ANY PRE TREATMENT.
- 2) PALMER AMARANTH CONTROL WAS EXCELLENT WITH ALL PRE TREATMENTS. AT THE TIME OF THE POST APPLICATION, NO PALMER AMARANTH HAD RE-EMERGED WHEN A PRE WAS USED.

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- 3) NONE OF THE PRE HERBICIDES PROVIDED ACCEPTABLE CONTROL OF ANNUAL GRASSES (<80% CONTROL).
- 4) AFTER THE POST APPLICATIONS OF GLYPHOSATE + DICAMBA WERE MADE, ANNUAL GRASS CONTROL WAS IMPROVED TO ABOVE 92%.
- 5) AT 68 DAP, PALMER AMARANTH CONTROL WITH ALL TREATMENTS WAS EXCELLENT (100%).

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PRE APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-01-17 Study Dir.: STANLEY ROYAL (USA-17-133)
 Location: PONDER FARM Investigator: Eric P. Prostko

| GENERAL TRIAL INFORMATION | | | |
|---|-------------------------------|-------------------------------------|--|
| Study Director: STANLEY ROYAL (USA-17-133) | | 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 T.PANICUM/CRAB/GOOSE/CROW | | | |
| Crop 1: GLYMA SOYBEAN | Variety: PIONEER P53TI8X | Planting Date: May-9-17 | |
| Planting Method: MONSOEM | Rate: 130680 SEE/A | Depth: 2 IN | |
| Perennial Age: _____ | Row Spacing: 30 IN | 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: RACOB | |
| Trial Initiation Comments: _____ | | | |
| Previous: Crops Pesticides Year | | | |
| 1. _____ | | | |

| MAINTENANCE | | | |
|---------------------------------------|-----------------------|------------------|-----------------------|
| Field Prep./Maintenance: _____ | | | |
| | Form | Form | Rate |
| No. Date | Treatment Name | Conc Unit | Type Rate Unit |
| 1. _____ | _____ | _____ | _____ |

| SOIL DESCRIPTION | | | |
|---|-------------------|--------------------------|-----------------------------------|
| Texture: SAND | % OM: 0.67 | % Sand: 94 | % Silt: 2 % Clay: 4 |
| pH: 6.1 | CEC: 2.9 | Soil Name: FUQUAY | Fertility Level: GOOD |
| MOISTURE CONDITIONS | | | |
| On: Date | Time | Amount Unit | Type Interval Unit |
| 1. May-10-17 | _____ | 0.5 IN | SPRINKLER - LATERAL MOVE _____ |
| 2. May-17-17 | _____ | 0.5 IN | SPRINKLER - LATERAL MOVE _____ |
| 3. May-23-17 | _____ | 0.5 IN | SPRINKLER - LATERAL MOVE _____ |
| 4. May-31-17 | _____ | 0.5 IN | SPRINKLER - LATERAL MOVE _____ |
| Overall Moisture Conditions: _____ | | | |
| Closest Weather Station: _____ | | Distance: _____ | Unit: _____ |

| APPLICATION DESCRIPTION | | | | | | |
|-----------------------------|-----------|-----------|-------|-------|-------|-------|
| | A | B | C | D | E | F |
| Application Date: | May-10-17 | Jun-5-17 | _____ | _____ | _____ | _____ |
| Time of Day: | 8:30 AM | 7:15 AM | _____ | _____ | _____ | _____ |
| Application Method: | BROADCAST | BROADCAST | _____ | _____ | _____ | _____ |
| Application Timing: | PRE | POST | _____ | _____ | _____ | _____ |
| Applic. Placement: | SOIL | FOLIAGE | _____ | _____ | _____ | _____ |
| Air Temp., Unit: | 69 F | 72 F | _____ | _____ | _____ | _____ |
| % Relative Humidity: | 70 | 100 | _____ | _____ | _____ | _____ |
| Wind Velocity, Unit: | 3 MPH | 3 MPH | _____ | _____ | _____ | _____ |
| Dew Presence (Y/N): | N | Y | _____ | _____ | _____ | _____ |
| Water Hardness: | -- | -- | _____ | _____ | _____ | _____ |
| Soil Temp., Unit: | 70 F | 76 F | _____ | _____ | _____ | _____ |
| Soil Moisture: | OPTIMUM | WET | _____ | _____ | _____ | _____ |
| % Cloud Cover: | 0 | 100 | _____ | _____ | _____ | _____ |

| CROP STAGE AT EACH APPLICATION | | | | | | |
|--------------------------------|-------|---------|-------|-------|-------|-------|
| | A | B | C | D | E | F |
| Crop 1 Stage: | GLYMA | _____ | _____ | _____ | _____ | _____ |
| Stage Scale: | _____ | V4-V5 | _____ | _____ | _____ | _____ |
| Height, Unit: | _____ | 6 IN | _____ | _____ | _____ | _____ |

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| | | WEED STAGE AT EACH APPLICATION | | | | | |
|--------|----------------|--------------------------------|-----------|-------|-------|-------|-------|
| | | A | B | C | D | E | F |
| Weed 1 | Stage: AMAPA | _____ | NONE UP | _____ | _____ | _____ | _____ |
| | Stage Scale: | _____ | _____ | _____ | _____ | _____ | _____ |
| | Density, Unit: | _____ | _____ | _____ | _____ | _____ | _____ |
| Weed 2 | Stage: AGRASS | _____ | 2-4" TALL | _____ | _____ | _____ | _____ |
| | Stage Scale: | _____ | _____ | _____ | _____ | _____ | _____ |
| | Density, Unit: | _____ | _____ | _____ | _____ | _____ | _____ |

| | | APPLICATION EQUIPMENT | | | | | |
|-----------------------|--------------------|-----------------------|-------|-------|-------|-------|-------|
| | | A | B | C | D | E | F |
| Appl. Equipment: | BACKPACK SAME AS A | _____ | _____ | _____ | _____ | _____ | _____ |
| Operating Pressure: | 39 | _____ | _____ | _____ | _____ | _____ | _____ |
| Nozzle Type: | TT1 | _____ | _____ | _____ | _____ | _____ | _____ |
| Nozzle Size: | 02 | _____ | _____ | _____ | _____ | _____ | _____ |
| Nozzle Spacing, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 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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PRE APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-01-17 Study Dir.: STANLEY ROYAL (USA-17-133)
 Location: PONDER FARM Investigator: Eric P. Prostko

| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date | | ----- GLYMA STUNT - | | AMAPA ----- | AMAPA ----- | A.GRASS ----- | AMAPA ----- | A. GRASS ----- | AMAPA ----- | | | | |
|--|---|----------------------------------|---------------------------------|--|------------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------|---------|---------|---------|---------|
| | | PERCENT May-18-17 | CONTROL PERCENT May-18-17 | CONTROL PERCENT Jun-1-17 | CONTROL PERCENT Jun-1-17 | CONTROL PERCENT Jun-16-17 | CONTROL PERCENT Jun-16-17 | CONTROL PERCENT Jul-17-17 | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate Unit | Grow Stg | Appl Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | TRIVENCE ABUNDIT EDGE FEXAPAN | 61.3 5.5 2.9 | WG SL SL | 8.0 32.0 22.0 oz/a | PRE POST POST | A B B | 0.0 a | 100.0 a | 100.0 a | 62.5 ab | 100.0 a | 100.0 a | 100.0 a |
| 2 | TRIVENCE ABUNDIT EDGE FEXAPAN CINCH | 61.3 5.5 2.9 7.64 | WG SL SL EC | 8.0 32.0 22.0 16.0 oz/a | PRE POST POST POST | A B B B | 0.0 a | 100.0 a | 100.0 a | 68.8 ab | 100.0 a | 100.0 a | 100.0 a |
| 3 | ENVIVE ABUNDIT EDGE FEXAPAN | 41.3 5.5 2.9 | WG SL SL | 3.5 32.0 22.0 oz/a | PRE POST POST | A B B | 0.0 a | 100.0 a | 100.0 a | 67.5 ab | 100.0 a | 100.0 a | 100.0 a |
| 4 | ENVIVE ABUNDIT EDGE FEXAPAN CINCH | 41.3 5.5 2.9 7.64 | WG SL SL EC | 3.5 32.0 22.0 16.0 oz/a | PRE POST POST POST | A B B B | 0.0 a | 100.0 a | 100.0 a | 51.3 b | 100.0 a | 100.0 a | 100.0 a |
| 5 | CANOPY CINCH ABUNDIT EDGE FEXAPAN | 75 7.64 5.5 2.9 | WG EC SL SL | 6.0 16.0 32.0 22.0 oz/a | PRE PRE POST POST | A A B B | 0.0 a | 100.0 a | 100.0 a | 68.8 ab | 100.0 a | 100.0 a | 100.0 a |
| 6 | CANOPY CINCH ABUNDIT EDGE FEXAPAN CINCH | 75 7.64 5.5 2.9 7.64 | WG EC SL SL EC | 6.0 16.0 32.0 22.0 16.0 oz/a | PRE PRE POST POST POST | A A B B B | 0.0 a | 100.0 a | 100.0 a | 78.8 a | 100.0 a | 100.0 a | 100.0 a |
| 7 | CANOPY ROUNDUP P-MAX ENGENIA CINCH | 75 5.5 5 7.64 | WG SL SL EC | 5.3 32.0 12.8 16.0 oz/a | PRE POST POST POST | A B B B | 0.0 a | 100.0 a | 98.8 b | 61.3 ab | 100.0 a | 100.0 a | 100.0 a |
| 8 | VALOR SX ROUNDUP P-MAX ENGENIA CINCH | 51 5.5 5 7.64 | WG SL SL EC | 3.0 32.0 12.8 16.0 oz/a | PRE POST POST POST | A B B B | 0.0 a | 100.0 a | 100.0 a | 61.3 ab | 100.0 a | 100.0 a | 100.0 a |
| 9 | AFFORIA ABUNDIT EDGE FEXAPAN | 50.8 5.5 2.9 | DG SL SL | 2.5 32.0 22.0 oz/a | PRE POST POST | A B B | 0.0 a | 100.0 a | 100.0 a | 52.5 b | 100.0 a | 100.0 a | 100.0 a |
| 10 | AFFORIA ABUNDIT EDGE FEXAPAN CINCH | 50.8 5.5 2.9 7.64 | DG SL SL EC | 2.5 32.0 22.0 16.0 oz/a | PRE POST POST POST | A B B B | 0.0 a | 100.0 a | 100.0 a | 30.0 c | 100.0 a | 100.0 a | 100.0 a |
| 11 | NTC | | | | | | 0.0 a | 0.0 b | 0.0 c | 0.0 d | 0.0 b | 0.0 b | 0.0 b |
| 12 | NTC | | | | | | 0.0 a | 0.0 b | 0.0 c | 0.0 d | 0.0 b | 0.0 b | 0.0 b |
| LSD P=.10 | | | | | | | . | . | 0.86 | 18.01 | . | . | . |
| Standard Deviation | | | | | | | 0.00 | 0.00 | 0.72 | 15.05 | 0.00 | 0.00 | 0.00 |
| CV | | | | | | | 0.0 | 0.0 | 0.87 | 29.98 | 0.0 | 0.0 | 0.0 |
| Grand Mean | | | | | | | 0.00 | 83.33 | 83.23 | 50.21 | 83.33 | 83.33 | 83.33 |
| Bartlett's X2 | | | | | | | 0.0 | 0.0 | 0.0 | 2.982 | 0.0 | 0.0 | 0.0 |
| P(Bartlett's X2) | | | | | | | . | . | . | 0.965 | . | . | . |
| Replicate F | | | | | | | 0.000 | 0.000 | 1.000 | 3.399 | 0.000 | 0.000 | 0.000 |
| Replicate Prob(F) | | | | | | | 1.0000 | 1.0000 | 0.4051 | 0.0291 | 1.0000 | 1.0000 | 1.0000 |
| Treatment F | | | | | | | 0.000 | 0.000 | 11608.274 | 12.282 | 0.000 | 0.000 | 0.000 |
| Treatment Prob(F) | | | | | | | 1.0000 | 1.0000 | 0.0001 | 0.0001 | 1.0000 | 1.0000 | 1.0000 |

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 1,2,5,6,7 because error mean square = 0.

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| Weed Code | | | | | | | A. GRASS |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----|-----------|
| Crop Code | | | | | | | ----- |
| Part Rated | | | | | | | |
| Rating Data Type | | | | | | | CONTROL |
| Rating Unit | | | | | | | PERCENT |
| Rating Date | | | | | | | Jul-17-17 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Grow Unit | Stg | Appl Code |
| | | | | | | | 8 |
| 1 | TRIVENCE | 61.3 | WG | 8.0 oz/a | PRE | A | 93.8 a |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| 2 | TRIVENCE | 61.3 | WG | 8.0 oz/a | PRE | A | 93.8 a |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | |
| 3 | ENVIVE | 41.3 | WG | 3.5 oz/a | PRE | A | 93.8 a |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| 4 | ENVIVE | 41.3 | WG | 3.5 oz/a | PRE | A | 95.0 a |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | |
| 5 | CANOPY | 75 | WG | 6.0 oz/a | PRE | A | 93.8 a |
| | CINCH | 7.64 | EC | 16.0 oz/a | PRE | A | |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| 6 | CANOPY | 75 | WG | 6.0 oz/a | PRE | A | 95.0 a |
| | CINCH | 7.64 | EC | 16.0 oz/a | PRE | A | |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | |
| 7 | CANOPY | 75 | WG | 5.3 oz/a | PRE | A | 93.8 a |
| | ROUNDUP P-MAX | 5.5 | SL | 32.0 oz/a | POST | B | |
| | ENGENIA | 5 | SL | 12.8 oz/a | POST | B | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | |
| 8 | VALOR SX | 51 | WG | 3.0 oz/a | PRE | A | 95.0 a |
| | ROUNDUP P-MAX | 5.5 | SL | 32.0 oz/a | POST | B | |
| | ENGENIA | 5 | SL | 12.8 oz/a | POST | B | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | |
| 9 | AFFORIA | 50.8 | DG | 2.5 oz/a | PRE | A | 95.0 a |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| 10 | AFFORIA | 50.8 | DG | 2.5 oz/a | PRE | A | 92.5 a |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 oz/a | POST | B | |
| | FEXAPAN | 2.9 | SL | 22.0 oz/a | POST | B | |
| | CINCH | 7.64 | EC | 16.0 oz/a | POST | B | |
| 11 | NTC | | | | | | 0.0 b |
| 12 | NTC | | | | | | 0.0 b |
| LSD P=.10 | | | | | | | 2.59 |
| Standard Deviation | | | | | | | 2.17 |
| CV | | | | | | | 2.76 |
| Grand Mean | | | | | | | 78.44 |
| Bartlett's X2 | | | | | | | 2.979 |
| P(Bartlett's X2) | | | | | | | 0.703 |
| Replicate F | | | | | | | 1.000 |
| Replicate Prob(F) | | | | | | | 0.4051 |
| Treatment F | | | | | | | 1145.970 |
| Treatment Prob(F) | | | | | | | 0.0001 |

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 1,2,5,6,7 because error mean square = 0.

University of Georgia

PRE APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-01-17 Study Dir.: STANLEY ROYAL (USA-17-133)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

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PRE APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-01-17 Study Dir.: STANLEY ROYAL (USA-17-133)
 Location: PONDER FARM Investigator: Eric P. Prostko

| | | | | | | ----- GLYMA STUNT - | AMAPA ----- | AMAPA ----- | A.GRASS ----- | AMAPA ----- | A. GRASS ----- | | | |
|-----|---------------|------|------|------|------|---------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|------|-------|-------|
| | | | | | | PERCENT May-18-17 | CONTROL PERCENT May-18-17 | CONTROL PERCENT Jun-1-17 | CONTROL PERCENT Jun-1-17 | CONTROL PERCENT Jun-16-17 | CONTROL PERCENT Jun-16-17 | | | |
| Trt | Treatment | Form | Form | Rate | Grow | Appl | | | | | | | | |
| No. | Name | Conc | Type | Rate | Unit | Stg | Code | Plot | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | TRIVENCE | 61.3 | WG | 8.0 | oz/a | PRE | A | 101 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 207 | 0.0 | 100.0 | 100.0 | 40.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 304 | 0.0 | 100.0 | 100.0 | 80.0 | 100.0 | 100.0 |
| | | | | | | | | 411 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 62.5 | 100.0 | 100.0 |
| 2 | TRIVENCE | 61.3 | WG | 8.0 | oz/a | PRE | A | 102 | 0.0 | 100.0 | 100.0 | 95.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 212 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 309 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | POST | B | 410 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 68.8 | 100.0 | 100.0 |
| 3 | ENVIVE | 41.3 | WG | 3.5 | oz/a | PRE | A | 103 | 0.0 | 100.0 | 100.0 | 95.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 206 | 0.0 | 100.0 | 100.0 | 75.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 311 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | | | | | | | | 409 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 67.5 | 100.0 | 100.0 |
| 4 | ENVIVE | 41.3 | WG | 3.5 | oz/a | PRE | A | 104 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 210 | 0.0 | 100.0 | 100.0 | 30.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 312 | 0.0 | 100.0 | 100.0 | 60.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | POST | B | 406 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 51.3 | 100.0 | 100.0 |
| 5 | CANOPY | 75 | WG | 6.0 | oz/a | PRE | A | 105 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | PRE | A | 209 | 0.0 | 100.0 | 100.0 | 85.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 308 | 0.0 | 100.0 | 100.0 | 60.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 403 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 68.8 | 100.0 | 100.0 |
| 6 | CANOPY | 75 | WG | 6.0 | oz/a | PRE | A | 106 | 0.0 | 100.0 | 100.0 | 85.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | PRE | A | 211 | 0.0 | 100.0 | 100.0 | 75.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 301 | 0.0 | 100.0 | 100.0 | 90.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 408 | 0.0 | 100.0 | 100.0 | 65.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | POST | B | | | | | | | |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 78.8 | 100.0 | 100.0 |
| 7 | CANOPY | 75 | WG | 5.3 | oz/a | PRE | A | 107 | 0.0 | 100.0 | 100.0 | 85.0 | 100.0 | 100.0 |
| | ROUNDUP P-MAX | 5.5 | SL | 32.0 | oz/a | POST | B | 205 | 0.0 | 100.0 | 100.0 | 60.0 | 100.0 | 100.0 |
| | ENGENIA | 5 | SL | 12.8 | oz/a | POST | B | 307 | 0.0 | 100.0 | 95.0 | 50.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | POST | B | 405 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 98.8 | 61.3 | 100.0 | 100.0 |
| 8 | VALOR SX | 51 | WG | 3.0 | oz/a | PRE | A | 108 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | ROUNDUP P-MAX | 5.5 | SL | 32.0 | oz/a | POST | B | 204 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | ENGENIA | 5 | SL | 12.8 | oz/a | POST | B | 305 | 0.0 | 100.0 | 100.0 | 95.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | POST | B | 407 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 61.3 | 100.0 | 100.0 |
| 9 | AFFORIA | 50.8 | DG | 2.5 | oz/a | PRE | A | 109 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 201 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 306 | 0.0 | 100.0 | 100.0 | 80.0 | 100.0 | 100.0 |
| | | | | | | | | 404 | 0.0 | 100.0 | 100.0 | 30.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 52.5 | 100.0 | 100.0 |
| 10 | AFFORIA | 50.8 | DG | 2.5 | oz/a | PRE | A | 110 | 0.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 |
| | ABUNDIT EDGE | 5.5 | SL | 32.0 | oz/a | POST | B | 202 | 0.0 | 100.0 | 100.0 | 30.0 | 100.0 | 100.0 |
| | FEXAPAN | 2.9 | SL | 22.0 | oz/a | POST | B | 310 | 0.0 | 100.0 | 100.0 | 40.0 | 100.0 | 100.0 |
| | CINCH | 7.64 | EC | 16.0 | oz/a | POST | B | 401 | 0.0 | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 |
| | | | | | | | | Mean = | 0.0 | 100.0 | 100.0 | 30.0 | 100.0 | 100.0 |
| 11 | NTC | | | | | | | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 302 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 412 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | Mean = | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | NTC | | | | | | | 112 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 208 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 303 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 402 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | Mean = | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

University of Georgia

PRE APPLICATIONS OF FEXAPAN IN SOYBEAN

Trial ID: SB-01-17 Study Dir.: STANLEY ROYAL (USA-17-133)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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