

University of Georgia

| | | | |
|---|-------------|---------------|-----------------|
| PECAN RESPONSE TO SIMULATED 2,4-D CHOLINE/DICAMBA-BAPMA DRIFT | | | |
| TEST 2 - YEAR 2 | | | |
| Trial ID: | PECAN-01-17 | Study Dir.: | LENNY WELLS |
| Location: | PONDER FARM | Investigator: | Eric P. Prostko |

Reps: 3 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.58658 liters calculated mix size)

| Trt No. | Treatment Name | Form Conc | Form Type | Amt Product to Measure | Rep 1 | Rep 2 | Rep 3 |
|---------|-------------------------|-----------|-----------|------------------------|-------|-------|-------|
| 1 | ENGENIA 1% V/V | 5 | SL | | 101 | 204 | 307 |
| 2 | ENGENIA 0.1% V/V | 5 | SL | | 102 | 207 | 306 |
| 3 | ENGENIA 0.01% V/V | 5 | SL | | 103 | 205 | 301 |
| 4 | 2,4-D CHOLINE 1% V/V | 3.8 | SL | | 104 | 203 | 302 |
| 5 | 2,4-D CHOLINE 0.1% V/V | 3.8 | SL | | 105 | 206 | 304 |
| 6 | 2,4-D CHOLINE 0.01% V/V | 3.8 | SL | | 106 | 202 | 303 |
| 7 | NTC | | | | 107 | 201 | 305 |

Sort Order: Treatment

| Trial Comments |
|--|
| <p>1% V/V OF 1500 MLS = 15 MLS 0.1% V/V OF 1500 MLS = 1.5 MLS (1500 MICROLITERS) 0.01% V/V OF 1500 MLS = 0.15 MLS (150 MICROLITERS)</p> <p>BASED UPON 15 GPA AND ENGENIA @ 12.5 OZ/A AND 2,4-D CHOLINE @ 24 OZ/A, THESE RATES WOULD BE EQUIVALENT TO THE FOLLOWING FIELD APPLICATION RATES:</p> <p>ENGENIA 1% V/V = 1.5X 0.1% V/V = 0.15X (1/6.7TH RATE) 0.01% V/V = 0.015X (1/67TH RATE)</p> <p>2,4-D CHOLINE 1% V/V = 0.8X (1/1.25X) 0.1% V/V = 0.08X (1/12.5TH RATE) 0.01% V/V = 0.008X (1/125TH RATE)</p> <p>MAY 31, 2016 7:30 AM 20-25 FT PECAN TREES (DESIRABLE) 8 YEARS OLD BEGINNING NUT SIZING STAGE OF GROWTH</p> <p>40 PSI 11002DG SPRAY TIP, 20" NOZZLE SPACING, VERTICAL ORIENTATION</p> <p>CALIPERS = APRIL 7, 2017: 30" FROM SOIL SURFACE</p> <p><u>SUMMARY: YEAR 1</u></p> <p>1) ON AUGUST 1, THE FOLLOWING OBSERVATIONS WERE MADE.</p> <p>A) AT 1% AND 0.1% V/V, 2,4-D CHOLINE WAS MORE INJURIOUS TO PECAN THAN DICAMBA.</p> <p>B) NO DIFFERENCE IN PECAN INJURY BETWEEN 2,4-D AND DICAMBA WAS OBSERVED AT 0.01% V/V.</p> <p>C) PECAN CHLOROPHYLL RATINGS WERE LOWEST WITH ENGENIA AND 2,4-D CHOLINE APPLIED AT 1% V/V.</p> <p>3) ON OCTOBER 27, 2,4-D CHOLINE AT 1% V/V WAS STILL MORE INJURIOUS THAN ENGENIA AT THE SAME RATE.</p> <p>4) PECAN YIELDS WERE NOT REDUCED BY ANY TREATMENT (P = 0.2525, CV = 22.53).</p> |

University of Georgia

5) THE FOLLOWING TREATMENTS RESULTED IN HIGHER KERNEL % THAN THE NTC:

ENGENIA @ 0.1 V/V
2,4-D CHOLINE @ 1% AND 0.01% V/V

SUMMARY: YEAR 2

- 1) PECAN TREE CALIPER WAS NOT INFLUENCED BY ANY TREATMENT (P=0.7113).
- 2) PECAN YIELDS WERE NOT REDUCED BY ANY TREATMENT (P=0.7254, CV = 29.0).
- 3) PECAN KERNEL % WAS NOT INFLUENCED BY ANY TREATMENT (P=0.3055, CV = 6.11)

University of Georgia

| | | 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: | 40 | _____ | _____ | _____ | _____ | _____ | _____ |
| Nozzle Type: | FLAT FAN | _____ | _____ | _____ | _____ | _____ | _____ |
| Nozzle Size: | 11002DG | _____ | _____ | _____ | _____ | _____ | _____ |
| Nozzle Spacing, Unit: | 20 | IN | _____ | _____ | _____ | _____ | _____ |
| Nozzles/Row: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Band Width, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Boom Length, Unit: | 60 | IN | _____ | _____ | _____ | _____ | _____ |
| Boom Height, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Ground Speed, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Incorporation Equip.: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Hours to Incorp.: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Incorp. Depth, Unit: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Carrier: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Spray Volume, Unit: | 15 | _____ | _____ | _____ | _____ | _____ | _____ |
| Spray pH: | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Propellant: | CO2 | _____ | _____ | _____ | _____ | _____ | _____ |
| Tank Mix (Y/N): | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

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

University of Georgia

| PECAN RESPONSE TO SIMULATED 2,4-D CHOLINE/DICAMBA-BAPMA DRIFT TEST 2 - YEAR 2 | | | | | | | | | | |
|--|----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Trial ID: PECAN-01-17 | | Study Dir.: LENNY WELLS | | | | | | | | |
| Location: PONDER FARM | | Investigator: Eric P. Prostko | | | | | | | | |
| Weed Code | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Crop Code | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN |
| Part Rated | TREE - | | TREE - | | | | | | | WGT - |
| Rating Data Type | INJURY | CHLORPHY | INJURY | NUTS | NUTS | NUTS | NUTS | NUTS | NUTS | 50 NUTS |
| Rating Unit | PERCENT | INDEX | PERCENT | N | S | E | W | #/TREE | | GRAMS |
| Rating Date | Aug-1-16 | Aug-1-16 | Oct-27-16 | Oct-31-16 | Oct-31-16 | Oct-31-16 | Oct-31-16 | Oct-31-16 | Oct-31-16 | Oct-31-16 |
| Trt-Eval Interval | 60 DA-A | 60 DA-A | 147 DA-A | 151 DA-A | 151 DA-A | 151 DA-A | 151 DA-A | 151 DA-A | 151 DA-A | 151 DA-A |
| PRM Data Type | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | T2 | | |
| | | | | | | | | - 1 | | |
| Trt Treatment | Form | Form | | | | | | | | |
| No. Name | Conc | Type | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 ENGENIA | 5 SL | | 21.7 b | 33.73 bc | 10.0 b | 19.7 a | 16.0 a | 17.7 a | 17.0 b | 1758.3 cd |
| 1% V/V | | | | | | | | | | 491.7 a |
| 2 ENGENIA | 5 SL | | 0.3 d | 43.77 a | 0.0 c | 18.0 a | 18.7 a | 15.7 a | 13.3 b | 1641.7 d |
| 0.1% V/V | | | | | | | | | | 516.7 a |
| 3 ENGENIA | 5 SL | | 0.0 d | 40.37 a | 0.0 c | 22.7 a | 28.7 a | 26.0 a | 18.7 b | 2400.0 abc |
| 0.01% V/V | | | | | | | | | | 480.3 a |
| 4 2,4-D CHOLINE | 3.8 SL | | 30.0 a | 28.70 c | 25.0 a | 14.7 a | 30.7 a | 23.3 a | 13.3 b | 2050.0 bcd |
| 1% V/V | | | | | | | | | | 479.0 a |
| 5 2,4-D CHOLINE | 3.8 SL | | 3.0 c | 39.23 ab | 0.0 c | 25.0 a | 27.3 a | 24.7 a | 18.0 b | 2375.0 abc |
| 0.1% V/V | | | | | | | | | | 419.3 b |
| 6 2,4-D CHOLINE | 3.8 SL | | 0.0 d | 42.70 a | 0.0 c | 32.7 a | 32.0 a | 22.3 a | 20.0 ab | 2675.0 ab |
| 0.01% V/V | | | | | | | | | | 483.3 a |
| 7 NTC | | | 0.0 d | 41.07 a | 0.0 c | 23.7 a | 32.0 a | 28.7 a | 26.0 a | 2758.3 a |
| | | | | | | | | | | 431.0 b |
| LSD P=.10 | | | 1.98 | 5.602 | 2.75 | 11.97 | 11.14 | 7.89 | 6.66 | 635.18 |
| Standard Deviation | | | 1.36 | 3.850 | 1.89 | 8.23 | 7.65 | 5.42 | 4.57 | 436.48 |
| CV | | | 17.31 | 10.0 | 37.8 | 36.84 | 28.91 | 23.98 | 25.34 | 19.51 |
| Grand Mean | | | 7.86 | 38.510 | 5.00 | 22.33 | 26.48 | 22.62 | 18.05 | 2236.90 |
| Bartlett's X2 | | | 3.675 | 4.801 | 0.0 | 1.643 | 1.134 | 1.631 | 6.29 | 0.781 |
| P(Bartlett's X2) | | | 0.159 | 0.57 | . | 0.949 | 0.98 | 0.95 | 0.392 | 0.993 |
| Replicate F | | | 0.309 | 0.634 | 1.000 | 2.681 | 13.025 | 12.015 | 1.313 | 13.326 |
| Replicate Prob(F) | | | 0.7398 | 0.5473 | 0.3966 | 0.1090 | 0.0010 | 0.0014 | 0.3049 | 0.0009 |
| Treatment F | | | 255.897 | 5.896 | 77.000 | 1.480 | 2.176 | 2.135 | 2.700 | 2.960 |
| Treatment Prob(F) | | | 0.0001 | 0.0045 | 0.0001 | 0.2647 | 0.1187 | 0.1241 | 0.0675 | 0.0518 |
| | | | | | | | | | | 0.0046 |

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.

University of Georgia

| Weed Code | | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | | |
|--------------------|-------------------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|--------|
| Crop Code | | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | | |
| Part Rated | | WGT - | YIELD - | KERNEL | TREE - | NUTS | NUTS | NUTS | NUTS | NUTS | YIELD | | |
| Rating Data Type | | TREE | LOSS | PERCENT | CALIPER | #N | #S | #E | #W | #/TREE | LBS/TREE | | |
| Rating Unit | | POUNDS | TREE | | INCHES | | | | | | | | |
| Rating Date | | Oct-31-16 | Oct-31-16 | Oct-31-16 | Apr-7-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 | | |
| Trt-Eval Interval | | 151 DA-A | 151 DA-A | 151 DA-A | 309 DA-A | 498 DA-A | 498 DA-A | 498 DA-A | 498 DA-A | 498 DA-A | 498 DA-A | | |
| PRM Data Type | | | | | | | | | | T1 | | | |
| # Subsamples, Dec. | | - 1 | | - 1 | - 1 | | | | | - 1 | - 1 | | |
| Trt No. | Treatment Name | Form Conc | Form Type | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 1 | ENGENIA 1% V/V | 5 | SL | 37.6 a | 30.7 a | 56.1 cd | 6.6 a | 23.7 a | 40.0 a | 26.3 a | 30.3 a | 3008.3 a | 67.9 a |
| 2 | ENGENIA 0.1% V/V | 5 | SL | 37.8 a | 30.3 a | 57.0 ab | 6.6 a | 18.3 a | 44.3 a | 29.3 a | 27.7 a | 2991.7 a | 64.7 a |
| 3 | ENGENIA 0.01% V/V | 5 | SL | 50.9 a | 4.7 a | 56.4 bcd | 6.8 a | 26.7 a | 34.3 a | 23.3 a | 25.3 a | 2741.7 a | 62.6 a |
| 4 | 2,4-D CHOLINE 1% V/V | 3.8 | SL | 43.5 a | 18.0 a | 56.8 bc | 7.1 a | 22.3 a | 45.7 a | 27.0 a | 25.7 a | 3016.7 a | 65.8 a |
| 5 | 2,4-D CHOLINE 0.1% V/V | 3.8 | SL | 44.2 a | 23.7 a | 56.0 cd | 6.9 a | 22.0 a | 45.3 a | 28.3 a | 38.3 a | 3350.0 a | 74.8 a |
| 6 | 2,4-D CHOLINE 0.01% V/V | 3.8 | SL | 56.8 a | 8.0 a | 57.7 a | 7.5 a | 17.7 a | 51.7 a | 38.3 a | 37.0 a | 3616.7 a | 80.5 a |
| 7 | NTC | | | 52.5 a | 0.0 a | 55.8 d | 6.5 a | 15.7 a | 33.3 a | 22.0 a | 24.3 a | 2383.3 a | 53.4 a |
| LSD P=.10 | | | | 15.14 | 23.71 | 0.74 | 1.18 | 13.16 | 25.07 | 14.96 | 15.00 | 1338.67 | 28.32 |
| Standard Deviation | | | | 10.40 | 16.29 | 0.51 | 0.81 | 9.04 | 17.23 | 10.28 | 10.31 | 919.90 | 19.46 |
| CV | | | | 22.53 | 98.89 | 0.91 | 11.81 | 43.25 | 40.92 | 36.98 | 34.58 | 30.51 | 29.0 |
| Grand Mean | | | | 46.19 | 16.48 | 56.54 | 6.85 | 20.90 | 42.10 | 27.81 | 29.81 | 3015.48 | 67.11 |
| Bartlett's X2 | | | | 0.429 | 4.446 | 3.801 | 5.291 | 3.286 | 3.843 | 3.255 | 7.166 | 8.147 | 7.514 |
| P(Bartlett's X2) | | | | 0.999 | 0.487 | 0.704 | 0.507 | 0.772 | 0.698 | 0.776 | 0.306 | 0.228 | 0.276 |
| Replicate F | | | | 9.911 | 5.234 | 3.625 | 4.753 | 1.559 | 2.205 | 1.212 | 2.566 | 2.405 | 3.169 |
| Replicate Prob(F) | | | | 0.0029 | 0.0232 | 0.0587 | 0.0302 | 0.2501 | 0.1529 | 0.3315 | 0.1181 | 0.1323 | 0.0785 |
| Treatment F | | | | 1.520 | 1.752 | 4.916 | 0.620 | 0.542 | 0.440 | 0.804 | 0.924 | 0.560 | 0.600 |
| Treatment Prob(F) | | | | 0.2525 | 0.1923 | 0.0093 | 0.7113 | 0.7672 | 0.8384 | 0.5858 | 0.5110 | 0.7540 | 0.7254 |

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.

University of Georgia

| | | |
|--------------------|----------------------------|---------------------|
| Weed Code | | ----- |
| Crop Code | | PECAN |
| Part Rated | | |
| Rating Data Type | | KERNEL |
| Rating Unit | | PERCENT |
| Rating Date | | Oct-13-17 |
| Trt-Eval Interval | | 498 DA-A |
| PRM Data Type | | |
| # Subsamples, Dec. | | - 1 |
| Trt No. | Treatment Name | Form Conc Form Type |
| | | 20 |
| 1 | ENGENIA 1% V/V | 5 SL 52.3 a |
| 2 | ENGENIA 0.1% V/V | 5 SL 53.1 a |
| 3 | ENGENIA 0.01% V/V | 5 SL 51.9 a |
| 4 | 2,4-D CHOLINE 1% V/V | 3.8 SL 53.1 a |
| 5 | 2,4-D CHOLINE 0.1% V/V | 3.8 SL 51.6 a |
| 6 | 2,4-D CHOLINE 0.01% V/V | 3.8 SL 52.9 a |
| 7 | NTC | 47.0 a |
| LSD P=.10 | | 4.60 |
| Standard Deviation | | 3.16 |
| CV | | 6.11 |
| Grand Mean | | 51.68 |
| Bartlett's X2 | | 17.41 |
| P(Bartlett's X2) | | 0.008* |
| Replicate F | | 1.132 |
| Replicate Prob(F) | | 0.3546 |
| Treatment F | | 1.360 |
| Treatment Prob(F) | | 0.3055 |

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.

University of Georgia

PECAN RESPONSE TO SIMULATED 2,4-D CHOLINE/DICAMBA-BAPMA DRIFT

TEST 2 - YEAR 2

| | | | |
|-----------|-------------|---------------|-----------------|
| Trial ID: | PECAN-01-17 | Study Dir.: | LENNY WELLS |
| Location: | PONDER FARM | Investigator: | Eric P. Prostko |

PRM Data TypeT2 = $([C4]+[C5]+[C6]+[C7])*25$ T1 = $([C14]+[C15]+[C16]+[C17])*25$

University of Georgia

| PECAN RESPONSE TO SIMULATED 2,4-D CHOLINE/DICAMBA-BAPMA DRIFT TEST 2 - YEAR 2 | | | | | | | | | | | | | | | | | |
|--|---------------|-------------|------------------|---------------|-------------|-------------------|---------------|--------------------|--|---|--|--|--|--|--|---|--|
| Trial ID: | | PECAN-01-17 | | Study Dir.: | | LENNY WELLS | | | | | | | | | | | |
| 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. | ----- PECAN TREE - INJURY PERCENT Aug-1-16 60 DA-A | ----- CHLORPHY INDEX Aug-1-16 60 DA-A | ----- PECAN TREE - INJURY PERCENT Oct-27-16 147 DA-A | ----- PECAN NUTS N Oct-31-16 151 DA-A | ----- PECAN NUTS S Oct-31-16 151 DA-A | ----- PECAN NUTS E Oct-31-16 151 DA-A | ----- PECAN NUTS W Oct-31-16 151 DA-A | ----- PECAN NUTS #/TREE Oct-31-16 151 DA-A | ----- PECAN WGT - 50 NUTS GRAMS Oct-31-16 151 DA-A |
| Trt Treatment | Form | Form | | | | | | | | | | | | | | | |
| No. | Name | Conc | Type | Plot | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | |
| 1 | ENGENIA | 5 | SL | 101 | 20.0 | 29.30 | 10.0 | 8.0 | 4.0 | 8.0 | 9.0 | 725.0 | 509.0 | | | | |
| | 1% V/V | | | 204 | 25.0 | 34.00 | 10.0 | 23.0 | 22.0 | 24.0 | 18.0 | 2175.0 | 509.0 | | | | |
| | | | | 307 | 20.0 | 37.90 | 10.0 | 28.0 | 22.0 | 21.0 | 24.0 | 2375.0 | 457.0 | | | | |
| | | | | Mean = | 21.7 | 33.73 | 10.0 | 19.7 | 16.0 | 17.7 | 17.0 | 1758.3 | 491.7 | | | | |
| 2 | ENGENIA | 5 | SL | 102 | 0.0 | 46.50 | 0.0 | 11.0 | 7.0 | 6.0 | 10.0 | 850.0 | 495.0 | | | | |
| | 0.1% V/V | | | 207 | 0.0 | 47.40 | 0.0 | 16.0 | 30.0 | 23.0 | 17.0 | 2150.0 | 527.0 | | | | |
| | | | | 306 | 1.0 | 37.40 | 0.0 | 27.0 | 19.0 | 18.0 | 13.0 | 1925.0 | 528.0 | | | | |
| | | | | Mean = | 0.3 | 43.77 | 0.0 | 18.0 | 18.7 | 15.7 | 13.3 | 1641.7 | 516.7 | | | | |
| 3 | ENGENIA | 5 | SL | 103 | 0.0 | 38.20 | 0.0 | 29.0 | 12.0 | 23.0 | 19.0 | 2075.0 | 511.0 | | | | |
| | 0.01% V/V | | | 205 | 0.0 | 41.10 | 0.0 | 12.0 | 28.0 | 24.0 | 17.0 | 2025.0 | 444.0 | | | | |
| | | | | 301 | 0.0 | 41.80 | 0.0 | 27.0 | 46.0 | 31.0 | 20.0 | 3100.0 | 486.0 | | | | |
| | | | | Mean = | 0.0 | 40.37 | 0.0 | 22.7 | 28.7 | 26.0 | 18.7 | 2400.0 | 480.3 | | | | |
| 4 | 2,4-D CHOLINE | 3.8 | SL | 104 | 30.0 | 28.60 | 30.0 | 6.0 | 19.0 | 18.0 | 8.0 | 1275.0 | 468.0 | | | | |
| | 1% V/V | | | 203 | 30.0 | 27.70 | 25.0 | 18.0 | 32.0 | 20.0 | 17.0 | 2175.0 | 482.0 | | | | |
| | | | | 302 | 30.0 | 29.80 | 20.0 | 20.0 | 41.0 | 32.0 | 15.0 | 2700.0 | 487.0 | | | | |
| | | | | Mean = | 30.0 | 28.70 | 25.0 | 14.7 | 30.7 | 23.3 | 13.3 | 2050.0 | 479.0 | | | | |
| 5 | 2,4-D CHOLINE | 3.8 | SL | 105 | 5.0 | 34.00 | 0.0 | 12.0 | 16.0 | 16.0 | 17.0 | 1525.0 | 399.0 | | | | |
| | 0.1% V/V | | | 206 | 2.0 | 42.40 | 0.0 | 27.0 | 37.0 | 38.0 | 25.0 | 3175.0 | 428.0 | | | | |
| | | | | 304 | 2.0 | 41.30 | 0.0 | 36.0 | 29.0 | 20.0 | 12.0 | 2425.0 | 431.0 | | | | |
| | | | | Mean = | 3.0 | 39.23 | 0.0 | 25.0 | 27.3 | 24.7 | 18.0 | 2375.0 | 419.3 | | | | |
| 6 | 2,4-D CHOLINE | 3.8 | SL | 106 | 0.0 | 40.40 | 0.0 | 32.0 | 17.0 | 13.0 | 18.0 | 2000.0 | 494.0 | | | | |
| | 0.01% V/V | | | 202 | 0.0 | 46.80 | 0.0 | 43.0 | 49.0 | 27.0 | 21.0 | 3500.0 | 477.0 | | | | |
| | | | | 303 | 0.0 | 40.90 | 0.0 | 23.0 | 30.0 | 27.0 | 21.0 | 2525.0 | 479.0 | | | | |
| | | | | Mean = | 0.0 | 42.70 | 0.0 | 32.7 | 32.0 | 22.3 | 20.0 | 2675.0 | 483.3 | | | | |
| 7 | NTC | | | 107 | 0.0 | 43.80 | 0.0 | 21.0 | 26.0 | 17.0 | 30.0 | 2350.0 | 441.0 | | | | |
| | | | | 201 | 0.0 | 37.40 | 0.0 | 21.0 | 27.0 | 34.0 | 23.0 | 2625.0 | 398.0 | | | | |
| | | | | 305 | 0.0 | 42.00 | 0.0 | 29.0 | 43.0 | 35.0 | 25.0 | 3300.0 | 454.0 | | | | |
| | | | | Mean = | 0.0 | 41.07 | 0.0 | 23.7 | 32.0 | 28.7 | 26.0 | 2758.3 | 431.0 | | | | |

University of Georgia

| Weed Code | | | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
|--------------------|----------------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| Crop Code | | | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN | PECAN |
| Part Rated | | | WGT - | YIELD - | | TREE - | | | | | |
| Rating Data Type | | | TREE | LOSS | KERNEL | CALIPER | NUTS | NUTS | NUTS | NUTS | NUTS |
| Rating Unit | | | POUNDS | TREE | PERCENT | INCHES | #N | #S | #E | #W | #/TREE |
| Rating Date | | | Oct-31-16 | Oct-31-16 | Oct-31-16 | Apr-7-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 | Oct-13-17 |
| Trt-Eval Interval | | | 151 DA-A | 151 DA-A | 151 DA-A | 309 DA-A | 498 DA-A | 498 DA-A | 498 DA-A | 498 DA-A | 498 DA-A |
| PRM Data Type | | | | | | | | | | | T1 |
| # Subsamples, Dec. | | | - 1 | | - 1 | - 1 | | | | | - 1 |
| Trt Treatment | Form Form | | | | | | | | | | |
| No. Name | Conc Type Plot | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 ENGENIA | 5 SL | 101 | 16.3 | 64.0 | 55.8 | 5.6 | 19.0 | 23.0 | 35.0 | 34.0 | 2775.0 |
| 1% V/V | | 204 | 48.8 | 0.0 | 56.0 | 7.4 | 22.0 | 45.0 | 20.0 | 30.0 | 2925.0 |
| | | 307 | 47.8 | 28.0 | 56.4 | 6.7 | 30.0 | 52.0 | 24.0 | 27.0 | 3325.0 |
| | | Mean = | 37.6 | 30.7 | 56.1 | 6.6 | 23.7 | 40.0 | 26.3 | 30.3 | 3008.3 |
| 2 ENGENIA | 5 SL | 102 | 18.6 | 59.0 | 56.6 | 5.0 | 16.0 | 27.0 | 19.0 | 32.0 | 2350.0 |
| 0.1% V/V | | 207 | 49.9 | 0.0 | 57.0 | 7.7 | 24.0 | 61.0 | 29.0 | 24.0 | 3450.0 |
| | | 306 | 44.8 | 32.0 | 57.4 | 7.0 | 15.0 | 45.0 | 40.0 | 27.0 | 3175.0 |
| | | Mean = | 37.8 | 30.3 | 57.0 | 6.6 | 18.3 | 44.3 | 29.3 | 27.7 | 2991.7 |
| 3 ENGENIA | 5 SL | 103 | 46.7 | 0.0 | 55.9 | 6.2 | 17.0 | 17.0 | 22.0 | 17.0 | 1825.0 |
| 0.01% V/V | | 205 | 39.6 | 14.0 | 55.9 | 7.1 | 28.0 | 35.0 | 18.0 | 18.0 | 2475.0 |
| | | 301 | 66.4 | 0.0 | 57.5 | 7.2 | 35.0 | 51.0 | 30.0 | 41.0 | 3925.0 |
| | | Mean = | 50.9 | 4.7 | 56.4 | 6.8 | 26.7 | 34.3 | 23.3 | 25.3 | 2741.7 |
| 4 2,4-D CHOLINE | 3.8 SL | 104 | 26.3 | 42.0 | 57.2 | 6.2 | 23.0 | 28.0 | 25.0 | 31.0 | 2675.0 |
| 1% V/V | | 203 | 46.2 | 0.0 | 56.6 | 7.4 | 11.0 | 57.0 | 18.0 | 20.0 | 2650.0 |
| | | 302 | 58.0 | 12.0 | 56.6 | 7.7 | 33.0 | 52.0 | 38.0 | 26.0 | 3725.0 |
| | | Mean = | 43.5 | 18.0 | 56.8 | 7.1 | 22.3 | 45.7 | 27.0 | 25.7 | 3016.7 |
| 5 2,4-D CHOLINE | 3.8 SL | 105 | 26.8 | 41.0 | 56.5 | 5.0 | 6.0 | 13.0 | 10.0 | 19.0 | 1200.0 |
| 0.1% V/V | | 206 | 59.9 | 0.0 | 55.6 | 7.6 | 31.0 | 57.0 | 46.0 | 47.0 | 4525.0 |
| | | 304 | 46.0 | 30.0 | 56.0 | 8.0 | 29.0 | 66.0 | 29.0 | 49.0 | 4325.0 |
| | | Mean = | 44.2 | 23.7 | 56.0 | 6.9 | 22.0 | 45.3 | 28.3 | 38.3 | 3350.0 |
| 6 2,4-D CHOLINE | 3.8 SL | 106 | 43.5 | 5.0 | 57.0 | 7.4 | 14.0 | 50.0 | 32.0 | 38.0 | 3350.0 |
| 0.01% V/V | | 202 | 73.6 | 0.0 | 57.7 | 7.3 | 15.0 | 58.0 | 44.0 | 20.0 | 3425.0 |
| | | 303 | 53.2 | 19.0 | 58.3 | 7.9 | 24.0 | 47.0 | 39.0 | 53.0 | 4075.0 |
| | | Mean = | 56.8 | 8.0 | 57.7 | 7.5 | 17.7 | 51.7 | 38.3 | 37.0 | 3616.7 |
| 7 NTC | | 107 | 45.6 | 0.0 | 56.0 | 7.2 | 28.0 | 59.0 | 27.0 | 26.0 | 3500.0 |
| | | 201 | 45.9 | 0.0 | 54.9 | 5.7 | 5.0 | 13.0 | 11.0 | 13.0 | 1050.0 |
| | | 305 | 66.0 | 0.0 | 56.5 | 6.6 | 14.0 | 28.0 | 28.0 | 34.0 | 2600.0 |
| | | Mean = | 52.5 | 0.0 | 55.8 | 6.5 | 15.7 | 33.3 | 22.0 | 24.3 | 2383.3 |

University of Georgia

| Weed Code | | | ----- | ----- |
|--------------------|----------------------------|---------------------|-----------|-----------|
| Crop Code | | | PECAN | PECAN |
| Part Rated | | | | |
| Rating Data Type | | | YIELD | KERNEL |
| Rating Unit | | | LBS/TREE | PERCENT |
| Rating Date | | | Oct-13-17 | Oct-13-17 |
| Trt-Eval Interval | | | 498 DA-A | 498 DA-A |
| PRM Data Type | | | | |
| # Subsamples, Dec. | | | - 1 | - 1 |
| Trt No. | Treatment Name | Form Conc Type Plot | 19 | 20 |
| 1 | ENGENIA 1% V/V | 5 SL 101 | 64.3 | 53.8 |
| | | 204 | 64.4 | 51.9 |
| | | 307 | 75.1 | 51.2 |
| | | Mean = | 67.9 | 52.3 |
| 2 | ENGENIA 0.1% V/V | 5 SL 102 | 48.2 | 52.3 |
| | | 207 | 76.3 | 54.1 |
| | | 306 | 69.7 | 52.8 |
| | | Mean = | 64.7 | 53.1 |
| 3 | ENGENIA 0.01% V/V | 5 SL 103 | 42.4 | 50.4 |
| | | 205 | 56.4 | 52.2 |
| | | 301 | 88.9 | 53.0 |
| | | Mean = | 62.6 | 51.9 |
| 4 | 2,4-D CHOLINE 1% V/V | 3.8 SL 104 | 57.6 | 51.5 |
| | | 203 | 58.0 | 53.1 |
| | | 302 | 81.9 | 54.6 |
| | | Mean = | 65.8 | 53.1 |
| 5 | 2,4-D CHOLINE 0.1% V/V | 3.8 SL 105 | 26.8 | 51.6 |
| | | 206 | 96.6 | 50.6 |
| | | 304 | 101.0 | 52.5 |
| | | Mean = | 74.8 | 51.6 |
| 6 | 2,4-D CHOLINE 0.01% V/V | 3.8 SL 106 | 73.3 | 52.0 |
| | | 202 | 76.7 | 52.5 |
| | | 303 | 91.5 | 54.1 |
| | | Mean = | 80.5 | 52.9 |
| 7 | NTC | 107 | 74.4 | 51.4 |
| | | 201 | 25.6 | 37.9 |
| | | 305 | 60.2 | 51.8 |
| | | Mean = | 53.4 | 47.0 |

University of Georgia

PECAN RESPONSE TO SIMULATED 2,4-D CHOLINE/DICAMBA-BAPMA DRIFT

TEST 2 - YEAR 2

| | | | |
|-----------|-------------|---------------|-----------------|
| Trial ID: | PECAN-01-17 | Study Dir.: | LENNY WELLS |
| Location: | PONDER FARM | Investigator: | Eric P. Prostko |

PRM Data TypeT2 = $([C4]+[C5]+[C6]+[C7])*25$ T1 = $([C14]+[C15]+[C16]+[C17])*25$