

University of Georgia

NICHINO HARVEST AID PERFORMANCE EVALUATION-2004

Trial ID:

Study Dir.: DAVID KING

Location: PONDER FARM

Investigator: Craig Bednarz

| Part Rated | | | | DEFOL | OPEN | DEFOL | OPEN | PERFM | |
|--------------------|--------------------------|------------------|--------------------------------------|--|-------------|-------------|-------------|-------------|---------|
| Rating Unit | | | | % | % | % | % | % | |
| Rating Date | | | | 17/Sep/2004 | 17/Sep/2004 | 24/Sep/2004 | 24/Sep/2004 | 24/Sep/2004 | |
| Target Stage | | | | 7 DATE | 7 DATE | 14 DATE | 14 DATE | 14 DATE | |
| Trt-Eval Interval | | | | 7 DA-A | 7 DA-A | 14 DA-A | 14 DA-A | 14 DA-A | |
| Trt No. | Treatment Name | Product Rate | Product Rate Unit | Grow Stg | 1 | 2 | 3 | 4 | 5 |
| 1 | ET ETHEPHON COC | 2 21 1 | fl oz/a fl oz/a % v/v | 55% Open 55% Open 55% Open | 91.7 a | 91.7 ab | 92.3 ab | 98.0 a | 92.3 ab |
| 2 | ET THIDIAZURON COC | 2 0.08 1 | fl oz/a lb/a % v/v | 55% Open 55% Open 55% Open | 89.3 a | 89.0 ab | 95.0 ab | 98.0 a | 94.3 ab |
| 3 | ET GINSTAR COC | 2 3 1 | fl oz/a fl oz/a % v/v | 55% Open 55% Open 55% Open | 88.7 a | 87.3 b | 93.3 ab | 98.0 a | 92.3 ab |
| 4 | ET COTTONQUIK COC | 1.5 56 1 | fl oz/a fl oz/a % v/v | 55% Open 55% Open 55% Open | 92.7 a | 90.7 ab | 90.7 b | 98.7 a | 90.7 b |
| 5 | ET FINISH COC | 1.5 16 1 | fl oz/a fl oz/a % v/v | 55% Open 55% Open 55% Open | 92.0 a | 93.3 a | 92.0 ab | 98.7 a | 92.0 ab |
| 6 | ET COC ET COC | 2 1 2 1 | fl oz/a % v/v fl oz/a % v/v | 55% Open 55% Open 7 DATE 7 DATE | 91.7 a | 90.0 ab | 97.0 a | 98.0 a | 97.0 a |
| LSD (P=.05) | | | | | 3.20 | 3.51 | 3.54 | 1.08 | 3.74 |
| Standard Deviation | | | | | 1.76 | 1.93 | 1.95 | 0.60 | 2.05 |
| CV | | | | | 1.93 | 2.14 | 2.08 | 0.61 | 2.21 |
| Grand Mean | | | | | 91.0 | 90.33 | 93.39 | 98.22 | 93.11 |
| Bartlett's X2 | | | | | 2.963 | 2.387 | 1.56 | 0.0 | 2.29 |
| P(Bartlett's X2) | | | | | 0.706 | 0.665 | 0.906 | 1.00 | 0.808 |
| Replicate F | | | | | 4.892 | 7.679 | 1.334 | 2.500 | 1.000 |
| Replicate Prob(F) | | | | | 0.0330 | 0.0095 | 0.3064 | 0.1317 | 0.4019 |
| Treatment F | | | | | 2.495 | 3.500 | 4.132 | 1.000 | 3.558 |
| Treatment Prob(F) | | | | | 0.1025 | 0.0435 | 0.0269 | 0.4651 | 0.0415 |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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| Part Rated | | | | | TRGRW | BRGRW |
|--------------------|----------------|--------------|-------------------|----------|------------|------------|
| Rating Unit | | | | | % | % |
| Rating Date | | | | | 1/Oct/2004 | 1/Oct/2004 |
| Target Stage | | | | | 21 DATE | 21 DATE |
| Trt-Eval Interval | | | | | 21 DA-A | 21 DA-A |
| Trt No. | Treatment Name | Product Rate | Product Rate Unit | Grow Stg | 6 | 7 |
| 1 | ET | 2 | fl oz/a | 55% Open | 6.7 a | 18.3 a |
| | ETHEPHON | 21 | fl oz/a | 55% Open | | |
| | COC | 1 | % v/v | 55% Open | | |
| 2 | ET | 2 | fl oz/a | 55% Open | 8.3 a | 15.0 ab |
| | THIDIAZURON | 0.08 | lb/a | 55% Open | | |
| | COC | 1 | % v/v | 55% Open | | |
| 3 | ET | 2 | fl oz/a | 55% Open | 6.7 a | 13.3 ab |
| | GINSTAR | 3 | fl oz/a | 55% Open | | |
| | COC | 1 | % v/v | 55% Open | | |
| 4 | ET | 1.5 | fl oz/a | 55% Open | 5.0 a | 16.7 a |
| | COTTONQUIK | 56 | fl oz/a | 55% Open | | |
| | COC | 1 | % v/v | 55% Open | | |
| 5 | ET | 1.5 | fl oz/a | 55% Open | 5.0 a | 13.3 ab |
| | FINISH | 16 | fl oz/a | 55% Open | | |
| | COC | 1 | % v/v | 55% Open | | |
| 6 | ET | 2 | fl oz/a | 55% Open | 0.0 a | 5.0 b |
| | COC | 1 | % v/v | 55% Open | | |
| | ET | 2 | fl oz/a | 7 DATE | | |
| | COC | 1 | % v/v | 7 DATE | | |
| LSD (P=.05) | | | | | 5.67 | 7.55 |
| Standard Deviation | | | | | 3.12 | 4.15 |
| CV | | | | | 59.08 | 30.49 |
| Grand Mean | | | | | 5.28 | 13.61 |
| Bartlett's X2 | | | | | 0.948 | 1.599 |
| P(Bartlett's X2) | | | | | 0.814 | 0.809 |
| Replicate F | | | | | 0.143 | 1.290 |
| Replicate Prob(F) | | | | | 0.8686 | 0.3173 |
| Treatment F | | | | | 2.543 | 3.758 |
| Treatment Prob(F) | | | | | 0.0981 | 0.0356 |

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NICHINO HARVEST AID PERFORMANCE EVALUATION-2004

Trial ID:

Study Dir.: DAVID KING

Location: PONDER FARM

Investigator: Craig Bednarz

APPLICATION DESCRIPTION

| | A | B |
|----------------------|-------------|-------------|
| Application Date: | 10/Sep/2004 | 22/Sep/2004 |
| Time of Day: | 10:15 AM | 7:30 AM |
| Application Method: | SPIDER | SPIDER |
| Application Timing: | 60% OB | 7 DATE |
| Applic. Placement: | BROFOL | BROFOL |
| Air Temp., Unit: | 71 F | 67 F |
| % Relative Humidity: | 85 | 74 |
| Wind Velocity, Unit: | 2 MPH | 0 MPH |
| Dew Presence (Y/N): | Y | Y |
| Soil Moisture: | GOOD | GOOD |
| % Cloud Cover: | 40 | 0 |

APPLICATION EQUIPMENT

| | A | B |
|-----------------------|--------|--------|
| Appl. Equipment: | SPIDER | SPIDER |
| Operating Pressure: | 60 PSI | 60 PSI |
| Nozzle Type: | H-CONE | H-CONE |
| Nozzle Size: | TX-8 | TX-8 |
| Nozzle Spacing, Unit: | 18 IN | 18 IN |
| Nozzles/Row: | 2 | 2 |
| Boom Length, Unit: | 12 FT | 12 FT |
| Ground Speed, Unit: | 5 MPH | 5 MPH |
| Carrier: | CO2 | CO2 |