

# University of Georgia

## SYNGENTA HARVEST AID EVALUATION-2004

Trial ID: HPQ100A4\_2004US

Study Dir.: GARY CLOUD

Location: PONDER FARM

Investigator: Craig Bednarz

| Part Rated         |                      |             |                 |                      | DEFOL       | DESSIC      | OPEN        | DEFOL      | DESSIC     |
|--------------------|----------------------|-------------|-----------------|----------------------|-------------|-------------|-------------|------------|------------|
| Rating Unit        |                      |             |                 |                      | %           | %           | %           | %          | %          |
| Rating Date        |                      |             |                 |                      | 30/Sep/2004 | 30/Sep/2004 | 30/Sep/2004 | 7/Oct/2004 | 7/Oct/2004 |
| Target Stage       |                      |             |                 |                      | 7 DATE      | 7 DATE      | 7 DATE      | 14 DATE    | 14 DATE    |
| Trt-Eval Interval  |                      |             |                 |                      | 7 DA-A      | 7 DA-A      | 7 DA-A      | 14 DA-A    | 14 DA-A    |
| Trt                | Treatment            | Product     | Product         | Grow                 |             |             |             |            |            |
| No.                | Name                 | Rate        | Rate Unit       | Stg                  | 1           | 2           | 3           | 4          | 5          |
| 1                  | UNTD                 |             |                 |                      | 67.5 b      | 8.8 a       | 77.5 b      | 73.8 b     | 5.0 a      |
| 2                  | GRAMOXONE MAX<br>NIS | 142<br>0.25 | gai/ha<br>% v/v | 60% Open<br>60% Open | 78.8 a      | 8.8 a       | 86.3 a      | 87.5 a     | 7.5 a      |
| 3                  | A7813<br>NIS         | 142<br>0.25 | gai/ha<br>% v/v | 60% Open<br>60% Open | 86.3 a      | 3.8 a       | 88.8 a      | 87.5 a     | 5.0 a      |
| 4                  | GRAMOXONE MAX<br>NIS | 281<br>0.25 | gai/ha<br>% v/v | 60% Open<br>60% Open | 87.5 a      | 5.0 a       | 88.8 a      | 90.0 a     | 6.3 a      |
| 5                  | A7813<br>NIS         | 281<br>0.25 | gai/ha<br>% v/v | 60% Open<br>60% Open | 85.0 a      | 8.8 a       | 87.5 a      | 87.5 a     | 6.3 a      |
| LSD (P=.05)        |                      |             |                 |                      | 7.93        | 6.05        | 7.34        | 3.72       | 2.54       |
| Standard Deviation |                      |             |                 |                      | 5.14        | 3.93        | 4.77        | 2.42       | 1.65       |
| CV                 |                      |             |                 |                      | 6.35        | 56.09       | 5.56        | 2.83       | 27.43      |
| Grand Mean         |                      |             |                 |                      | 81.0        | 7.0         | 85.75       | 85.25      | 6.0        |
| Bartlett's X2      |                      |             |                 |                      | 4.83        | 1.375       | 1.485       | 0.082      | 0.08       |
| P(Bartlett's X2)   |                      |             |                 |                      | 0.305       | 0.711       | 0.829       | 0.994      | 0.961      |
| Replicate F        |                      |             |                 |                      | 2.142       | 0.865       | 0.495       | 1.357      | 3.692      |
| Replicate Prob(F)  |                      |             |                 |                      | 0.1482      | 0.4859      | 0.6922      | 0.3026     | 0.0431     |
| Treatment F        |                      |             |                 |                      | 10.323      | 1.541       | 3.936       | 29.143     | 1.615      |
| Treatment Prob(F)  |                      |             |                 |                      | 0.0007      | 0.2525      | 0.0288      | 0.0001     | 0.2338     |

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.

# University of Georgia

| Part Rated         |                   |              |                   |                      | OPEN       | BREG        | TREG        |
|--------------------|-------------------|--------------|-------------------|----------------------|------------|-------------|-------------|
| Rating Unit        |                   |              |                   |                      | %          | %           | %           |
| Rating Date        |                   |              |                   |                      | 7/Oct/2004 | 15/Oct/2004 | 15/Oct/2004 |
| Target Stage       |                   |              |                   |                      | 14 DATE    | 22 DATE     | 22 DATE     |
| Trt-Eval Interval  |                   |              |                   |                      | 14 DA-A    | 22 DA-A     | 22 DA-A     |
| Trt No.            | Treatment Name    | Product Rate | Product Rate Unit | Grow Stg             | 6          | 7           | 8           |
| 1                  | UNT               |              |                   |                      | 91.3 b     | 27.5 a      | 15.0 a      |
| 2                  | GRAMOXONE MAX NIS | 142<br>0.25  | gai/ha<br>% v/v   | 60% Open<br>60% Open | 95.0 ab    | 15.0 b      | 7.5 b       |
| 3                  | A7813 NIS         | 142<br>0.25  | gai/ha<br>% v/v   | 60% Open<br>60% Open | 97.5 a     | 13.8 b      | 5.0 c       |
| 4                  | GRAMOXONE MAX NIS | 281<br>0.25  | gai/ha<br>% v/v   | 60% Open<br>60% Open | 97.5 a     | 10.8 b      | 3.5 c       |
| 5                  | A7813 NIS         | 281<br>0.25  | gai/ha<br>% v/v   | 60% Open<br>60% Open | 95.0 ab    | 12.5 b      | 4.0 c       |
| LSD (P=.05)        |                   |              |                   |                      | 3.59       | 4.56        | 2.37        |
| Standard Deviation |                   |              |                   |                      | 2.33       | 2.96        | 1.54        |
| CV                 |                   |              |                   |                      | 2.44       | 18.6        | 21.98       |
| Grand Mean         |                   |              |                   |                      | 95.25      | 15.9        | 7.0         |
| Bartlett's X2      |                   |              |                   |                      | 1.075      | 1.721       | 3.958       |
| P(Bartlett's X2)   |                   |              |                   |                      | 0.783      | 0.632       | 0.138       |
| Replicate F        |                   |              |                   |                      | 6.385      | 1.548       | 0.507       |
| Replicate Prob(F)  |                   |              |                   |                      | 0.0078     | 0.2530      | 0.6848      |
| Treatment F        |                   |              |                   |                      | 4.846      | 20.371      | 37.817      |
| Treatment Prob(F)  |                   |              |                   |                      | 0.0147     | 0.0001      | 0.0001      |

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.

# University of Georgia

SYNGENTA HARVEST AID EVALUATION-2004

Trial ID: HPQ100A4\_2004US  
Location: PONDER FARM

Study Dir.: GARY CLOUD  
Investigator: Craig Bednarz

## APPLICATION DESCRIPTION

|                      | A           |
|----------------------|-------------|
| Application Date:    | 23/Sep/2004 |
| Time of Day:         | 8:30 AM     |
| Application Timing:  | 60% OB      |
| Applic. Placement:   | BROFOL      |
| Air Temp., Unit:     | 68 F        |
| % Relative Humidity: | 85          |
| Wind Velocity, Unit: | 0 MPH       |
| Dew Presence (Y/N):  | Y           |
| % Cloud Cover:       | 0           |

## APPLICATION EQUIPMENT

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