

# University of Georgia

**Cotton response to Envoke or Pix as PGRs.**

Trial ID: C49-05  
 Location: Attapulgus

Study Dir.: Culpepper  
 Investigator: Stanley Culpepper

Reps: 4                      Plots: 6 by 25 feet  
 Spray vol: 14.8 gal/ac      Mix size: 1 liters (min .77168)

| Trt No. | Treatment Name   | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | Spray Volume | Amt to Measure | Product | Plot No. By Rep |     |     |     |
|---------|------------------|-----------|-----------|------|-----------|----------|-----------|--------------|----------------|---------|-----------------|-----|-----|-----|
|         |                  |           |           |      |           |          |           |              |                |         | 1               | 2   | 3   | 4   |
| 1       | No Pix or Envoke |           |           |      |           |          |           |              |                |         | 101             | 204 | 309 | 412 |
| 2       | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-1   | A         | 7            | 0.107          | g/mx    | 102             | 209 | 305 | 402 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-1   | A         | 7            | 2.5            | ml/mx   |                 |     |     |     |
| 3       | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   | 103             | 202 | 306 | 408 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
| 4       | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-1   | A         | 7            | 0.107          | g/mx    | 104             | 203 | 301 | 407 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-1   | A         | 7            | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
| 5       | Pix              | 0.35      | L         | 16   | fl oz/a   | POST-3   | C         | 21           | 5.952          | ml/mx   | 105             | 206 | 312 | 410 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
| 6       | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-1   | A         | 7            | 0.107          | g/mx    | 106             | 211 | 308 | 405 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-1   | A         | 7            | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 16   | fl oz/a   | POST-3   | C         | 21           | 5.952          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
| 7       | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   | 107             | 205 | 302 | 403 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 12   | fl oz/a   | POST-4   | D         | 31           | 3.024          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-4   | D         | 31           | 2.5            | ml/mx   |                 |     |     |     |
| 8       | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-1   | A         | 7            | 0.107          | g/mx    | 108             | 207 | 310 | 401 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-1   | A         | 7            | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 12   | fl oz/a   | POST-4   | D         | 31           | 3.024          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-4   | D         | 31           | 2.5            | ml/mx   |                 |     |     |     |
| 9       | Pix              | 0.35      | L         | 6    | fl oz/a   | POST-2   | B         | 14           | 3.348          | ml/mx   | 109             | 212 | 307 | 411 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-2   | B         | 14           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 12   | fl oz/a   | POST-4   | D         | 31           | 3.024          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-4   | D         | 31           | 2.5            | ml/mx   |                 |     |     |     |
| 10      | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-1   | A         | 7            | 0.107          | g/mx    | 110             | 208 | 303 | 406 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-1   | A         | 7            | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 6    | fl oz/a   | POST-2   | B         | 14           | 3.348          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-2   | B         | 14           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 12   | fl oz/a   | POST-4   | D         | 31           | 3.024          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-4   | D         | 31           | 2.5            | ml/mx   |                 |     |     |     |
| 11      | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-2   | B         | 14           | .05349         | g/mx    | 111             | 210 | 304 | 409 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-2   | B         | 14           | 2.5            | ml/mx   |                 |     |     |     |
| 12      | Envoke           | 75        | DF        | 0.1  | oz wt/a   | POST-2   | B         | 14           | .05349         | g/mx    | 112             | 201 | 311 | 404 |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-2   | B         | 14           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 6    | fl oz/a   | POST-2   | B         | 14           | 3.348          | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 8    | fl oz/a   | POST-3   | C         | 21           | 2.976          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-3   | C         | 21           | 2.5            | ml/mx   |                 |     |     |     |
|         | Pix              | 0.35      | L         | 12   | fl oz/a   | POST-4   | D         | 31           | 3.024          | ml/mx   |                 |     |     |     |
|         | NIS              |           | L         | 0.25 | % v/v     | POST-4   | D         | 31           | 2.5            | ml/mx   |                 |     |     |     |

Sort Order: Treatment

# University of Georgia

Reps: 4                      Plots: 6 by 25 feet  
 Spray vol: 14.8 gal/ac      Mix size: 1 liters (min .77168)

| Trt No. | Treatment Name | Form Conc | Form Type | Form Rate | Form Unit | Rate Stg | Grow Code | Appl Volume | Spray | Amt Product to Measure | Plot No. By Rep |   |   |   |
|---------|----------------|-----------|-----------|-----------|-----------|----------|-----------|-------------|-------|------------------------|-----------------|---|---|---|
|         |                |           |           |           |           |          |           |             |       |                        | 1               | 2 | 3 | 4 |

Product quantities required for listed treatments and applications in one trial:

| Amount* | Unit | Treatment Name | Lot Code |
|---------|------|----------------|----------|
| 0.802   | g    | Envoke 75 DF   |          |
| 71.867  | ml   | NIS L          |          |
| 72.380  | ml   | Pix 0.35 L     |          |

- \* 'Per area' calculations based on spray volume= 14.8,7,14,21,31 gal/ac, mix size= 1 liters (mix size basis).
- \* Product amount calculations increased 25 % for overage adjustment.
- \* 'Per volume' calculations use spray volume= 14.8,7,14,21,31 gal/ac, mix size= 1 liters.

### Trial Comments

Objective: Determine how much "Pix" effect an application of Envoke provides in a PGR system.

Visual stunting:

1. Envoke alone stunted cotton at least 22% at 11 day after the POST 1 application.
2. At a week after all treatments were applied, stunting from Envoke followed by any Pix system was nearly twice that of just the Pix system applied alone.
3. Late in the season, stunting from Envoke followed by any Pix system was 9 to 14% more than the respective Pix system applied alone.
4. Late in the season, Envoke followed by 8 oz of Pix equalled a single 16 oz application of Pix. Also stunting from Envoke followed by 8 and 12 oz of Pix tended to be slightly more than three applications of Pix at 6, 8, and 12 oz/A.

Plant heights (10 to 20 plants per plot measured and averaged):

1. Envoke applied alone had little impact on plant heights at mid or late-season.
2. At mid or late season, treatments followed trends in visual control with systems including Envoke followed by Pix systems being shorter than the Pix system applied alone.

Plant mapping (20 plants per plot were mapped):

1. Treatments had no impact on the number of bolls set or where they were set.

Seed Yield, Lint Yield, Percent Lint Turnout:

1. Treatments had no impact.

Fiber quality data:

1. Treatments had no impact.

Height to Node Ratio:

1. When comparing Envoke followed by a Pix system to the relative Pix system alone, the height to node ratio was smaller with the Envoke followed by Pix system.

First Node Boll Set:

1. Treatments did not impact where the first boll was set on the plant.

Percent Open:

1. Treatments did not impact the percent open bolls when cotton was mapped.

# University of Georgia

Cotton response to Envoke or Pix as PGRs.

Trial ID: C49-05  
 Location: Attapulcus

Study Dir.: Culpepper  
 Investigator: Stanley Culpepper

| Weed Code          | cotton  | cotton  | cotton    | plant 1   | plant 2   | plant 3   | plant 4   | plant 5   |    |    |    |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|
| Crop Code          | stunt   | stunt   | stunt     | cotton    | cotton    | cotton    | cotton    | cotton    |    |    |    |
| Rating Data Type   | percent   | percent   | percent   | ht        | ht        | ht        | ht        | ht        |    |    |    |
| Rating Unit        | percent   | percent   | percent   | cm        | cm        | cm        | cm        | cm        |    |    |    |
| Rating Date        | Jul-18-04   | Aug-03-05   | Sep-05-05 | Jul-26-05 | Jul-26-05 | Jul-26-05 | Jul-26-05 | Jul-26-05 |    |    |    |
| Crop Stage         |   |   |           |           |           |           |           |           |    |    |    |
| Trt-Eval Interval  | -354 DA-  | 27 DA-A   | 60 DA-A   | 19 DA-A   | 19 DA-A   | 19 DA-A   | 19 DA-A   | 19 DA-A   |    |    |    |
| ARM Action Codes   |   |   |           |           |           |           |           |           |    |    |    |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |    |    |    |
| Trt No.            | Treatment Name  | Rate  | Unit      | 1         | 2         | 3         | 4         | 5         | 6  | 7  | 8  |
| 1                  | No Pix or Envoke  |   |           | 0         | 0         | 0         | 68        | 68        | 68 | 68 | 70 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 22        | 5         | 3         | 61        | 64        | 62 | 65 | 67 |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 0         | 9         | 11        | 58        | 58        | 60 | 60 | 59 |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 33        | 25        | 20        | 45        | 48        | 46 | 46 | 45 |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 0         | 13        | 20        | 62        | 63        | 66 | 66 | 65 |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 26        | 28        | 33        | 53        | 54        | 56 | 57 | 57 |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 2         | 12        | 13        | 65        | 67        | 66 | 66 | 65 |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 25        | 28        | 25        | 60        | 57        | 60 | 61 | 62 |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 3         | 18        | 18        | 59        | 60        | 61 | 57 | 60 |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 33        | 40        | 32        | 55        | 55        | 52 | 51 | 50 |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 30        | 3         | 0         | 56        | 58        | 62 | 64 | 63 |

# University of Georgia

| Weed Code          | cotton         | cotton    | cotton    | plant 1   | plant 2   | plant 3   | plant 4   | plant 5   |       |       |       |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|
| Crop Code          | stunt          | stunt     | stunt     | cotton    | cotton    | cotton    | cotton    | cotton    |       |       |       |
| Rating Data Type   | percent        | percent   | percent   | ht        | ht        | ht        | ht        | ht        |       |       |       |
| Rating Unit        | percent        | percent   | percent   | cm        | cm        | cm        | cm        | cm        |       |       |       |
| Rating Date        | Jul-18-04      | Aug-03-05 | Sep-05-05 | Jul-26-05 | Jul-26-05 | Jul-26-05 | Jul-26-05 | Jul-26-05 |       |       |       |
| Crop Stage         | -354 DA-       | 27 DA-A   | 60 DA-A   | 19 DA-A   | 19 DA-A   | 19 DA-A   | 19 DA-A   | 19 DA-A   |       |       |       |
| Trt-Eval Interval  |                |           |           |           |           |           |           |           |       |       |       |
| ARM Action Codes   |                |           |           |           |           |           |           |           |       |       |       |
| # Subsamples, Dec. |                |           |           |           |           |           |           |           |       |       |       |
| Trt No.            | Treatment Name | Rate      | Unit      | 1         | 2         | 3         | 4         | 5         | 6     | 7     | 8     |
| 12                 | Envoke         | 0.1       | oz wt/a   | 31        | 30        | 28        | 53        | 54        | 52    | 51    | 53    |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |       |       |
|                    | Pix            | 6         | fl oz/a   |           |           |           |           |           |       |       |       |
|                    | Pix            | 8         | fl oz/a   |           |           |           |           |           |       |       |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |       |       |
|                    | Pix            | 12        | fl oz/a   |           |           |           |           |           |       |       |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |       |       |
| LSD (P=.05)        |                |           |           | 12.8      | 12.2      | 7.4       | 12.9      | 14.4      | 14.8  | 14.4  | 12.7  |
| Standard Deviation |                |           |           | 7.6       | 7.2       | 4.4       | 7.6       | 8.5       | 8.7   | 8.5   | 7.5   |
| CV                 |                |           |           | 44.36     | 40.83     | 25.65     | 13.15     | 14.46     | 14.69 | 14.34 | 12.56 |

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

| Weed Code          | plant 6<br>cotton                                       | plant 7<br>cotton   | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton | Avg.10pl<br>cotton | plant 1<br>cotton | plant 2<br>cotton |      |     |     |
|--------------------|---|---|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|------|-----|-----|
| Crop Code          |   |   |                   |                   |                    |                    |                   |                   |      |     |     |
| Rating Data Type   | ht  | ht  | ht                | ht                | ht                 | ht                 | ht                | ht                |      |     |     |
| Rating Unit        | cm  | cm  | cm                | cm                | cm                 | cm                 | cm                | cm                |      |     |     |
| Rating Date        | Jul-26-05   | Jul-26-05   | Jul-26-05         | Jul-26-05         | Jul-26-05          | Jul-26-05          | Aug-16-05         | Aug-16-05         |      |     |     |
| Crop Stage         |   |   |                   |                   |                    |                    |                   |                   |      |     |     |
| Trt-Eval Interval  | 19 DA-A   | 19 DA-A   | 19 DA-A           | 19 DA-A           | 19 DA-A            | 19 DA-A            | 40 DA-A           | 40 DA-A           |      |     |     |
| ARM Action Codes   |   |   |                   |                   |                    | T1                 |                   |                   |      |     |     |
| # Subsamples, Dec. |   |   |                   |                   |                    | 1                  |                   |                   |      |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit              | 9                 | 10                 | 11                 | 12                | 13                | 14   | 15  | 16  |
| 1                  | No Pix or Envoke  |   |                   | 69                | 68                 | 72                 | 65                | 70                | 68.6 | 104 | 104 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 65                | 66                 | 67                 | 66                | 64                | 64.8 | 106 | 101 |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                   | 61                | 59                 | 59                 | 62                | 60                | 59.6 | 93  | 83  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                   | 44                | 45                 | 45                 | 45                | 46                | 45.5 | 90  | 86  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                   | 64                | 68                 | 66                 | 65                | 66                | 65.2 | 88  | 80  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                   | 55                | 57                 | 55                 | 57                | 58                | 55.9 | 80  | 79  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                   | 62                | 66                 | 64                 | 62                | 67                | 64.9 | 93  | 92  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                   | 62                | 65                 | 65                 | 64                | 60                | 61.7 | 93  | 86  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                   | 59                | 61                 | 59                 | 53                | 56                | 58.5 | 92  | 88  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                   | 48                | 50                 | 51                 | 52                | 51                | 51.5 | 86  | 83  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 62                | 65                 | 61                 | 67                | 63                | 62.1 | 100 | 88  |

# University of Georgia

|                    |             |                   |                   |                   |                   |                    |                    |                   |                   |
|--------------------|-------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|
| Weed Code          |             | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton | Avg.10pl<br>cotton | plant 1<br>cotton | plant 2<br>cotton |
| Crop Code          |             | ht                | ht                | ht                | ht                | ht                 | ht                 | ht                | ht                |
| Rating Data Type   |             | cm                | cm                | cm                | cm                | cm                 | cm                 | cm                | cm                |
| Rating Unit        |             | cm                | cm                | cm                | cm                | cm                 | cm                 | cm                | cm                |
| Rating Date        |             | Jul-26-05         | Jul-26-05         | Jul-26-05         | Jul-26-05         | Jul-26-05          | Jul-26-05          | Aug-16-05         | Aug-16-05         |
| Crop Stage         |             |                   |                   |                   |                   |                    |                    |                   |                   |
| Trt-Eval Interval  |             | 19 DA-A           | 19 DA-A           | 19 DA-A           | 19 DA-A           | 19 DA-A            | 19 DA-A            | 40 DA-A           | 40 DA-A           |
| ARM Action Codes   |             |                   |                   |                   |                   |                    | T1                 |                   |                   |
| # Subsamples, Dec. |             |                   |                   |                   |                   |                    | 1                  |                   |                   |
| Trt Treatment      | Rate        |                   |                   |                   |                   |                    |                    |                   |                   |
| No. Name           | Rate Unit   | 9                 | 10                | 11                | 12                | 13                 | 14                 | 15                | 16                |
| 12 Envoke          | 0.1 oz wt/a | 52                | 49                | 51                | 54                | 58                 | 52.6               | 84                | 83                |
| NIS                | 0.25 % v/v  |                   |                   |                   |                   |                    |                    |                   |                   |
| Pix                | 6 fl oz/a   |                   |                   |                   |                   |                    |                    |                   |                   |
| Pix                | 8 fl oz/a   |                   |                   |                   |                   |                    |                    |                   |                   |
| NIS                | 0.25 % v/v  |                   |                   |                   |                   |                    |                    |                   |                   |
| Pix                | 12 fl oz/a  |                   |                   |                   |                   |                    |                    |                   |                   |
| NIS                | 0.25 % v/v  |                   |                   |                   |                   |                    |                    |                   |                   |
| LSD (P=.05)        |             | 14.6              | 15.2              | 14.0              | 13.8              | 12.4               | 12.81              | 15.4              | 15.6              |
| Standard Deviation |             | 8.6               | 9.0               | 8.3               | 8.1               | 7.3                | 7.56               | 9.1               | 9.2               |
| CV                 |             | 14.66             | 14.97             | 13.89             | 13.71             | 12.24              | 12.77              | 9.87              | 10.51             |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 14: T1 = @AVG([C4],[C13])

# University of Georgia

| Weed Code          | plant 3<br>cotton                                       | plant 4<br>cotton   | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton |     |    |     |
|--------------------|---|---|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-----|----|-----|
| Crop Code          |   |   |                   |                   |                   |                   |                   |                    |     |    |     |
| Rating Data Type   | ht  | ht  | ht                | ht                | ht                | ht                | ht                | ht                 |     |    |     |
| Rating Unit        | cm  | cm  | cm                | cm                | cm                | cm                | cm                | cm                 |     |    |     |
| Rating Date        | Aug-16-05   | Aug-16-05   | Aug-16-05         | Aug-16-05         | Aug-16-05         | Aug-16-05         | Aug-16-05         | Aug-16-05          |     |    |     |
| Crop Stage         |   |   |                   |                   |                   |                   |                   |                    |     |    |     |
| Trt-Eval Interval  | 40 DA-A   | 40 DA-A   | 40 DA-A           | 40 DA-A           | 40 DA-A           | 40 DA-A           | 40 DA-A           | 40 DA-A            |     |    |     |
| ARM Action Codes   |   |   |                   |                   |                   |                   |                   |                    |     |    |     |
| # Subsamples, Dec. |   |   |                   |                   |                   |                   |                   |                    |     |    |     |
| Trt No.            | Treatment Name  | Rate  | Unit              | 17                | 18                | 19                | 20                | 21                 | 22  | 23 | 24  |
| 1                  | No Pix or Envoke  |   |                   | 103               | 102               | 100               | 98                | 100                | 102 | 97 | 106 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 96                | 99                | 100               | 100               | 100                | 98  | 96 | 96  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                   | 84                | 85                | 83                | 83                | 83                 | 83  | 85 | 82  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                   | 73                | 77                | 72                | 71                | 75                 | 68  | 68 | 70  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                   | 85                | 79                | 82                | 82                | 86                 | 80  | 81 | 80  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                   | 74                | 72                | 72                | 72                | 70                 | 73  | 74 | 75  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                   | 87                | 86                | 88                | 80                | 78                 | 79  | 80 | 82  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                   | 81                | 79                | 76                | 76                | 82                 | 76  | 78 | 80  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                   | 85                | 73                | 78                | 77                | 73                 | 71  | 75 | 73  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                   | 82                | 67                | 67                | 68                | 70                 | 72  | 68 | 70  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 95                | 95                | 90                | 91                | 101                | 99  | 98 | 97  |

# University of Georgia

|                    |                    |           |           |           |           |           |           |           |           |
|--------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Weed Code          |                    | plant 3   | plant 4   | plant 5   | plant 6   | plant 7   | plant 8   | plant 9   | plant 10  |
| Crop Code          |                    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |
| Rating Data Type   |                    | ht        | ht        | ht        | ht        | ht        | ht        | ht        | ht        |
| Rating Unit        |                    | cm        | cm        | cm        | cm        | cm        | cm        | cm        | cm        |
| Rating Date        |                    | Aug-16-05 | Aug-16-05 | Aug-16-05 | Aug-16-05 | Aug-16-05 | Aug-16-05 | Aug-16-05 | Aug-16-05 |
| Crop Stage         |                    |           |           |           |           |           |           |           |           |
| Trt-Eval Interval  |                    | 40 DA-A   | 40 DA-A   | 40 DA-A   | 40 DA-A   | 40 DA-A   | 40 DA-A   | 40 DA-A   | 40 DA-A   |
| ARM Action Codes   |                    |           |           |           |           |           |           |           |           |
| # Subsamples, Dec. |                    |           |           |           |           |           |           |           |           |
| Trt Treatment      | Rate               |           |           |           |           |           |           |           |           |
| No. Name           | Rate Unit          | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        |
| 12                 | Envoke 0.1 oz wt/a | 72        | 72        | 71        | 68        | 68        | 66        | 69        | 70        |
|                    | NIS 0.25 % v/v     |           |           |           |           |           |           |           |           |
|                    | Pix 6 fl oz/a      |           |           |           |           |           |           |           |           |
|                    | Pix 8 fl oz/a      |           |           |           |           |           |           |           |           |
|                    | NIS 0.25 % v/v     |           |           |           |           |           |           |           |           |
|                    | Pix 12 fl oz/a     |           |           |           |           |           |           |           |           |
|                    | NIS 0.25 % v/v     |           |           |           |           |           |           |           |           |
| LSD (P=.05)        |                    | 14.5      | 14.4      | 10.5      | 13.0      | 13.1      | 10.5      | 14.3      | 10.1      |
| Standard Deviation |                    | 8.6       | 8.5       | 6.2       | 7.7       | 7.7       | 6.2       | 8.5       | 5.9       |
| CV                 |                    | 10.12     | 10.33     | 7.61      | 9.53      | 9.41      | 7.72      | 10.46     | 7.27      |

Means followed by same letter do not significantly differ (P=.05, LSD)



# University of Georgia

| Weed Code          |   |   | Avg.10pl cotton | plant 1 cotton | plant 2 cotton | plant 3 cotton | plant 4 cotton | plant 5 cotton | plant 6 cotton | plant 7 cotton |
|--------------------|---|---|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Crop Code          |   |   | ht              | height         | height         | height         | height         | height         | height         | height         |
| Rating Data Type   |   |   | cm              | cm             | cm             | cm             | cm             | cm             | cm             | cm             |
| Rating Unit        |   |   | cm              | cm             | cm             | cm             | cm             | cm             | cm             | cm             |
| Rating Date        |   |   | Aug-16-05       | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      |
| Crop Stage         |   |   |                 |                |                |                |                |                |                |                |
| Trt-Eval Interval  |   |   | 40 DA-A         | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        |
| ARM Action Codes   |   |   | T2              |                |                |                |                |                |                |                |
| # Subsamples, Dec. |   |   | 1               |                |                |                |                |                |                |                |
| Trt No.            | Treatment Name  | Rate  | 25              | 26             | 27             | 28             | 29             | 30             | 31             | 32             |
|                    |   | Rate Unit   |                 |                |                |                |                |                |                |                |
| 1                  | No Pix or Envoke  |   | 101.6           | 110            | 103            | 105            | 109            | 107            | 101            | 107            |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   | 99.3            | 107            | 105            | 101            | 107            | 111            | 105            | 100            |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   | 84.4            | 79             | 91             | 81             | 85             | 83             | 77             | 76             |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  | 75.0            | 77             | 72             | 66             | 70             | 76             | 69             | 70             |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  | 82.3            | 95             | 91             | 80             | 89             | 85             | 86             | 86             |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   | 74.1            | 71             | 71             | 71             | 69             | 70             | 63             | 69             |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   | 84.5            | 89             | 82             | 80             | 85             | 86             | 73             | 80             |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            | 80.8            | 77             | 73             | 72             | 76             | 71             | 79             | 73             |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              | 78.7            | 79             | 79             | 88             | 79             | 76             | 84             | 76             |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v | 73.3            | 68             | 69             | 66             | 66             | 69             | 64             | 69             |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   | 95.3            | 98             | 112            | 103            | 102            | 102            | 93             | 90             |

## University of Georgia

|                    |             |                 |                |                |                |                |                |                |                |
|--------------------|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Weed Code          |             | Avg.10pl cotton | plant 1 cotton | plant 2 cotton | plant 3 cotton | plant 4 cotton | plant 5 cotton | plant 6 cotton | plant 7 cotton |
| Crop Code          |             | ht              | height         | height         | height         | height         | height         | height         | height         |
| Rating Data Type   |             | cm              | cm             | cm             | cm             | cm             | cm             | cm             | cm             |
| Rating Unit        |             | Aug-16-05       | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      | Oct-06-05      |
| Rating Date        |             | 40 DA-A         | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        | 91 DA-A        |
| Crop Stage         |             | T2              |                |                |                |                |                |                |                |
| Trt-Eval Interval  |             | 1               |                |                |                |                |                |                |                |
| ARM Action Codes   |             |                 |                |                |                |                |                |                |                |
| # Subsamples, Dec. |             |                 |                |                |                |                |                |                |                |
| Trt Treatment      | Rate        |                 |                |                |                |                |                |                |                |
| No. Name           | Rate Unit   | 25              | 26             | 27             | 28             | 29             | 30             | 31             | 32             |
| 12 Envoke          | 0.1 oz wt/a | 72.1            | 66             | 71             | 69             | 71             | 72             | 66             | 62             |
| NIS                | 0.25 % v/v  |                 |                |                |                |                |                |                |                |
| Pix                | 6 fl oz/a   |                 |                |                |                |                |                |                |                |
| Pix                | 8 fl oz/a   |                 |                |                |                |                |                |                |                |
| NIS                | 0.25 % v/v  |                 |                |                |                |                |                |                |                |
| Pix                | 12 fl oz/a  |                 |                |                |                |                |                |                |                |
| NIS                | 0.25 % v/v  |                 |                |                |                |                |                |                |                |
| LSD (P=.05)        |             | 8.03            | 17.4           | 16.8           | 15.4           | 16.0           | 17.4           | 14.7           | 13.8           |
| Standard Deviation |             | 4.74            | 10.3           | 9.9            | 9.1            | 9.4            | 10.3           | 8.7            | 8.1            |
| CV                 |             | 5.68            | 12.11          | 11.7           | 11.12          | 11.25          | 12.25          | 10.82          | 10.21          |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 25: T2 = @AVG([C15].[C24])

# University of Georgia

| Weed Code          | plant 8<br>cotton<br>height<br>cm                       | plant 9<br>cotton<br>height<br>cm   | plant 10<br>cotton<br>height<br>cm | plant 1<br>cotton<br>height<br>cm | plant 2<br>cotton<br>height<br>cm | plant 3<br>cotton<br>height<br>cm | plant 4<br>cotton<br>height<br>cm | plant 5<br>cotton<br>height<br>cm |     |     |     |
|--------------------|---|---|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----|-----|-----|
| Crop Code          | Oct-06-05   | Oct-06-05   | Oct-06-05                          | Oct-06-05                         | Oct-06-05                         | Oct-06-05                         | Oct-06-05                         | Oct-06-05                         |     |     |     |
| Rating Data Type   |   |   |                                    |                                   |                                   |                                   |                                   |                                   |     |     |     |
| Rating Unit        | 91 DA-A   | 91 DA-A   | 91 DA-A                            | 91 DA-A                           | 91 DA-A                           | 91 DA-A                           | 91 DA-A                           | 91 DA-A                           |     |     |     |
| Rating Date        |   |   |                                    |                                   |                                   |                                   |                                   |                                   |     |     |     |
| Crop Stage         |   |   |                                    |                                   |                                   |                                   |                                   |                                   |     |     |     |
| Trt-Eval Interval  |   |   |                                    |                                   |                                   |                                   |                                   |                                   |     |     |     |
| ARM Action Codes   |   |   |                                    |                                   |                                   |                                   |                                   |                                   |     |     |     |
| # Subsamples, Dec. |   |   |                                    |                                   |                                   |                                   |                                   |                                   |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit                               | 33                                | 34                                | 35                                | 36                                | 37                                | 38  | 39  | 40  |
| 1                  | No Pix or Envoke  |   |                                    | 99                                | 104                               | 102                               | 105                               | 97                                | 101 | 100 | 100 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                                    | 102                               | 98                                | 102                               | 99                                | 99                                | 99  | 100 | 100 |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                                    | 80                                | 82                                | 82                                | 83                                | 77                                | 82  | 83  | 87  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                                    | 74                                | 75                                | 70                                | 76                                | 68                                | 71  | 75  | 72  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                                    | 86                                | 79                                | 89                                | 88                                | 87                                | 74  | 86  | 85  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                                    | 67                                | 69                                | 69                                | 73                                | 74                                | 73  | 68  | 70  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                                    | 83                                | 76                                | 76                                | 84                                | 77                                | 77  | 79  | 78  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                                    | 77                                | 75                                | 75                                | 78                                | 78                                | 76  | 84  | 76  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                                    | 82                                | 73                                | 79                                | 72                                | 81                                | 69  | 79  | 80  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                                    | 67                                | 61                                | 59                                | 69                                | 66                                | 81  | 69  | 73  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                                    | 95                                | 105                               | 93                                | 96                                | 97                                | 100 | 102 | 87  |

## University of Georgia

| Weed Code          | plant 8<br>cotton<br>height<br>cm | plant 9<br>cotton<br>height<br>cm | plant 10<br>cotton<br>height<br>cm | plant 1<br>cotton<br>height<br>cm | plant 2<br>cotton<br>height<br>cm | plant 3<br>cotton<br>height<br>cm | plant 4<br>cotton<br>height<br>cm | plant 5<br>cotton<br>height<br>cm |       |       |       |
|--------------------|-----------------------------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------|-------|-------|
| Crop Code          |                                   |                                   |                                    |                                   |                                   |                                   |                                   |                                   |       |       |       |
| Rating Data Type   |                                   |                                   |                                    |                                   |                                   |                                   |                                   |                                   |       |       |       |
| Rating Unit        | cm                                | cm                                | cm                                 | cm                                | cm                                | cm                                | cm                                | cm                                |       |       |       |
| Rating Date        | Oct-06-05                         | Oct-06-05                         | Oct-06-05                          | Oct-06-05                         | Oct-06-05                         | Oct-06-05                         | Oct-06-05                         | Oct-06-05                         |       |       |       |
| Crop Stage         |                                   |                                   |                                    |                                   |                                   |                                   |                                   |                                   |       |       |       |
| Trt-Eval Interval  | 91 DA-A                           | 91 DA-A                           | 91 DA-A                            | 91 DA-A                           | 91 DA-A                           | 91 DA-A                           | 91 DA-A                           | 91 DA-A                           |       |       |       |
| ARM Action Codes   |                                   |                                   |                                    |                                   |                                   |                                   |                                   |                                   |       |       |       |
| # Subsamples, Dec. |                                   |                                   |                                    |                                   |                                   |                                   |                                   |                                   |       |       |       |
| Trt No.            | Treatment Name                    | Rate                              | Unit                               | 33                                | 34                                | 35                                | 36                                | 37                                | 38    | 39    | 40    |
| 12                 | Envoke                            | 0.1                               | oz wt/a                            | 67                                | 65                                | 66                                | 71                                | 69                                | 64    | 63    | 68    |
|                    | NIS                               | 0.25                              | % v/v                              |                                   |                                   |                                   |                                   |                                   |       |       |       |
|                    | Pix                               | 6                                 | fl oz/a                            |                                   |                                   |                                   |                                   |                                   |       |       |       |
|                    | Pix                               | 8                                 | fl oz/a                            |                                   |                                   |                                   |                                   |                                   |       |       |       |
|                    | NIS                               | 0.25                              | % v/v                              |                                   |                                   |                                   |                                   |                                   |       |       |       |
|                    | Pix                               | 12                                | fl oz/a                            |                                   |                                   |                                   |                                   |                                   |       |       |       |
|                    | NIS                               | 0.25                              | % v/v                              |                                   |                                   |                                   |                                   |                                   |       |       |       |
| LSD (P=.05)        |                                   |                                   |                                    | 13.9                              | 13.2                              | 13.1                              | 15.5                              | 15.2                              | 14.3  | 14.1  | 14.1  |
| Standard Deviation |                                   |                                   |                                    | 8.2                               | 7.8                               | 7.7                               | 9.1                               | 9.0                               | 8.5   | 8.3   | 8.3   |
| CV                 |                                   |                                   |                                    | 10.09                             | 9.76                              | 9.64                              | 11.01                             | 11.1                              | 10.49 | 10.08 | 10.22 |

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

| Weed Code          | plant 6<br>cotton<br>height<br>cm                       | plant 7<br>cotton<br>height<br>cm   | plant 8<br>cotton<br>height<br>cm | plant 9<br>cotton<br>height<br>cm | plant 10<br>cotton<br>height<br>cm | Avg20pla<br>cotton<br>height<br>cm | node 4<br>cotton<br>#<br>bolls | node 5<br>cotton<br>#<br>bolls |       |    |    |
|--------------------|---|---|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|--------------------------------|--------------------------------|-------|----|----|
| Crop Code          | Oct-06-05   | Oct-06-05   | Oct-06-05                         | Oct-06-05                         | Oct-06-05                          | Oct-06-05                          | Oct-06-05                      | Oct-06-05                      |       |    |    |
| Rating Data Type   |   |   |                                   |                                   |                                    |                                    |                                |                                |       |    |    |
| Rating Unit        |   |   |                                   |                                   |                                    |                                    |                                |                                |       |    |    |
| Rating Date        |   |   |                                   |                                   |                                    |                                    |                                |                                |       |    |    |
| Crop Stage         | 91 DA-A   | 91 DA-A   | 91 DA-A                           | 91 DA-A                           | 91 DA-A                            | 91 DA-A                            | 91 DA-A                        | 91 DA-A                        |       |    |    |
| Trt-Eval Interval  |   |   |                                   |                                   |                                    |                                    |                                |                                |       |    |    |
| ARM Action Codes   |   |   |                                   |                                   |                                    | T6                                 |                                |                                |       |    |    |
| # Subsamples, Dec. |   |   |                                   |                                   |                                    | 1                                  |                                |                                |       |    |    |
| Trt No.            | Treatment Name  | Rate  | Unit                              | 41                                | 42                                 | 43                                 | 44                             | 45                             | 46    | 47 | 48 |
| 1                  | No Pix or Envoke  |   |                                   | 104                               | 104                                | 94                                 | 102                            | 111                            | 103.3 | 0  | 1  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                                   | 95                                | 95                                 | 94                                 | 92                             | 95                             | 100.3 | 0  | 0  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                                   | 86                                | 85                                 | 84                                 | 88                             | 84                             | 82.8  | 0  | 0  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                                   | 73                                | 68                                 | 75                                 | 85                             | 79                             | 73.0  | 0  | 0  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                                   | 81                                | 86                                 | 79                                 | 91                             | 87                             | 85.4  | 0  | 0  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                                   | 64                                | 66                                 | 65                                 | 73                             | 74                             | 69.5  | 0  | 0  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                                   | 79                                | 79                                 | 83                                 | 83                             | 82                             | 80.5  | 0  | 0  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                                   | 78                                | 74                                 | 83                                 | 74                             | 75                             | 76.1  | 0  | 0  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                                   | 75                                | 76                                 | 77                                 | 84                             | 71                             | 78.0  | 0  | 0  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                                   | 74                                | 67                                 | 68                                 | 71                             | 72                             | 68.3  | 0  | 0  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                                   | 108                               | 109                                | 115                                | 102                            | 102                            | 100.7 | 0  | 0  |

## University of Georgia

| Weed Code          | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton | Avg20pla<br>cotton | node 4<br>cotton | node 5<br>cotton |       |
|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|-------|
| Crop Code          | height            | height            | height            | height            | height             | height             | #                | #                |       |
| Rating Data Type   | cm                | cm                | cm                | cm                | cm                 | cm                 | bolts            | bolts            |       |
| Rating Unit        | cm                | cm                | cm                | cm                | cm                 | cm                 | bolts            | bolts            |       |
| Rating Date        | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05          | Oct-06-05          | Oct-06-05        | Oct-06-05        |       |
| Crop Stage         |                   |                   |                   |                   |                    |                    | lt row           | lt row           |       |
| Trt-Eval Interval  | 91 DA-A           | 91 DA-A           | 91 DA-A           | 91 DA-A           | 91 DA-A            | 91 DA-A            | 91 DA-A          | 91 DA-A          |       |
| ARM Action Codes   |                   |                   |                   |                   |                    | T6                 |                  |                  |       |
| # Subsamples, Dec. |                   |                   |                   |                   |                    | 1                  |                  |                  |       |
| Trt Treatment      |                   |                   |                   |                   |                    |                    |                  |                  |       |
| No. Name           | Rate              | Rate              | Rate              | Rate              | Rate               | Rate               | Rate             | Rate             |       |
|                    | Unit              | Unit              | Unit              | Unit              | Unit               | Unit               | Unit             | Unit             |       |
|                    |                   |                   |                   |                   |                    |                    |                  |                  |       |
| 12 Envoke          | 0.1 oz wt/a       | 69                | 72                | 74                | 69                 | 78                 | 68.7             | 0                | 1     |
| NIS                | 0.25 % v/v        |                   |                   |                   |                    |                    |                  |                  |       |
| Pix                | 6 fl oz/a         |                   |                   |                   |                    |                    |                  |                  |       |
| Pix                | 8 fl oz/a         |                   |                   |                   |                    |                    |                  |                  |       |
| NIS                | 0.25 % v/v        |                   |                   |                   |                    |                    |                  |                  |       |
| Pix                | 12 fl oz/a        |                   |                   |                   |                    |                    |                  |                  |       |
| NIS                | 0.25 % v/v        |                   |                   |                   |                    |                    |                  |                  |       |
| LSD (P=.05)        |                   | 13.7              | 15.4              | 17.7              | 15.8               | 11.2               | 6.08             | 0.0              | 1.1   |
| Standard Deviation |                   | 8.1               | 9.1               | 10.5              | 9.3                | 6.6                | 3.59             | 0.0              | 0.6   |
| CV                 |                   | 9.82              | 11.13             | 12.67             | 11.04              | 7.88               | 4.37             | 0.0              | 258.2 |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 46: T6 = @AVG([C26].[C45])

# University of Georgia

| Weed Code          | node 6  | node 7  | node 8    | node 9    | node 10   | node 11   | node 12   | node 13   |    |    |    |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |    |    |    |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |    |    |    |
| Rating Unit        | bolts   | bolts   | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |    |    |    |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |    |    |    |
| Crop Stage         | lt row  | lt row  | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    |    |    |    |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |    |    |    |
| ARM Action Codes   |   |   |           |           |           |           |           |           |    |    |    |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |    |    |    |
| Trt No.            | Treatment Name  | Rate  | Unit      | 49        | 50        | 51        | 52        | 53        | 54 | 55 | 56 |
| 1                  | No Pix or Envoke  |   |           | 2         | 6         | 10        | 13        | 11        | 13 | 11 | 12 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 3         | 5         | 10        | 11        | 12        | 12 | 9  | 9  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 2         | 4         | 8         | 13        | 11        | 11 | 10 | 8  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 1         | 7         | 10        | 9         | 11        | 10 | 9  | 8  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 1         | 3         | 9         | 9         | 10        | 11 | 10 | 9  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 1         | 6         | 11        | 11        | 11        | 12 | 9  | 6  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 0         | 4         | 10        | 9         | 12        | 10 | 11 | 8  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 1         | 4         | 9         | 10        | 12        | 10 | 11 | 7  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 2         | 5         | 12        | 13        | 11        | 10 | 10 | 8  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 2         | 6         | 9         | 10        | 9         | 9  | 6  | 8  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 1         | 5         | 9         | 11        | 11        | 10 | 10 | 12 |

## University of Georgia

|                    |             |           |           |           |           |           |           |           |           |
|--------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Weed Code          |             | node 6    | node 7    | node 8    | node 9    | node 10   | node 11   | node 12   | node 13   |
| Crop Code          |             | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |
| Rating Data Type   |             | #         | #         | #         | #         | #         | #         | #         | #         |
| Rating Unit        |             | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |
| Rating Date        |             | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |
| Crop Stage         |             | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    |
| Trt-Eval Interval  |             | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |
| ARM Action Codes   |             |           |           |           |           |           |           |           |           |
| # Subsamples, Dec. |             |           |           |           |           |           |           |           |           |
| Trt Treatment      | Rate        |           |           |           |           |           |           |           |           |
| No. Name           | Rate Unit   | 49        | 50        | 51        | 52        | 53        | 54        | 55        | 56        |
| 12 Envoke          | 0.1 oz wt/a | 3         | 7         | 10        | 11        | 11        | 11        | 8         | 6         |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| Pix                | 6 fl oz/a   |           |           |           |           |           |           |           |           |
| Pix                | 8 fl oz/a   |           |           |           |           |           |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| Pix                | 12 fl oz/a  |           |           |           |           |           |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| LSD (P=.05)        |             | 2.8       | 4.0       | 4.0       | 3.7       | 4.4       | 2.7       | 2.7       | 3.4       |
| Standard Deviation |             | 1.7       | 2.3       | 2.3       | 2.2       | 2.6       | 1.6       | 1.6       | 2.0       |
| CV                 |             | 94.13     | 45.17     | 23.86     | 20.13     | 23.5      | 14.73     | 16.87     | 23.75     |

Means followed by same letter do not significantly differ (P=.05, LSD)

---



# University of Georgia

| Weed Code  | node 14<br>cotton   | node 15<br>cotton | node 16<br>cotton | node 17<br>cotton | node 18<br>cotton | node 19<br>cotton | node 20<br>cotton | node 21<br>cotton |    |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----|
| Crop Code  | #   | #                 | #                 | #                 | #                 | #                 | #                 | #                 |    |
| Rating Data Type   | bolts   | bolts             | bolts             | bolts             | bolts             | bolts             | bolts             | bolts             |    |
| Rating Unit  | bolts   | bolts             | bolts             | bolts             | bolts             | bolts             | bolts             | bolts             |    |
| Rating Date  | Oct-06-05   | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         |    |
| Crop Stage   | lt row  | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            |    |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A           | 91 DA-A           | 91 DA-A           | 91 DA-A           | 91 DA-A           | 91 DA-A           | 91 DA-A           |    |
| ARM Action Codes   |   |                   |                   |                   |                   |                   |                   |                   |    |
| # Subsamples, Dec.   |   |                   |                   |                   |                   |                   |                   |                   |    |
| Trt Treatment  | Rate  |                   |                   |                   |                   |                   |                   |                   |    |
| No. Name   | Rate Unit   | 57                | 58                | 59                | 60                | 61                | 62                | 63                | 64 |
| 1 No Pix or Envoke   |   | 10                | 8                 | 6                 | 6                 | 4                 | 2                 | 1                 | 0  |
| 2 Envoke<br>NIS  | 0.1 oz wt/a<br>0.25 % v/v   | 9                 | 7                 | 5                 | 4                 | 2                 | 2                 | 1                 | 0  |
| 3 Pix<br>NIS   | 8 fl oz/a<br>0.25 % v/v   | 6                 | 4                 | 2                 | 1                 | 1                 | 0                 | 0                 | 0  |
| 4 Envoke<br>NIS<br>Pix<br>NIS                              | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  | 7                 | 5                 | 2                 | 2                 | 1                 | 0                 | 0                 | 0  |
| 5 Pix<br>NIS   | 16 fl oz/a<br>0.25 % v/v  | 7                 | 6                 | 4                 | 3                 | 3                 | 2                 | 3                 | 3  |
| 6 Envoke<br>NIS<br>Pix<br>NIS                              | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   | 7                 | 5                 | 3                 | 2                 | 1                 | 0                 | 0                 | 0  |
| 7 Pix<br>NIS<br>Pix<br>NIS                                 | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   | 6                 | 7                 | 4                 | 2                 | 2                 | 2                 | 0                 | 1  |
| 8 Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            | 5                 | 6                 | 5                 | 4                 | 2                 | 1                 | 0                 | 0  |
| 9 Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                   | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              | 5                 | 5                 | 4                 | 3                 | 0                 | 0                 | 0                 | 0  |
| 10 Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v | 3                 | 2                 | 2                 | 1                 | 0                 | 0                 | 0                 | 0  |
| 11 Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   | 10                | 7                 | 9                 | 7                 | 7                 | 2                 | 2                 | 2  |

## University of Georgia

| Weed Code          | node 14        | node 15   | node 16   | node 17   | node 18   | node19    | node 20   | node 21   |        |        |        |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|
| Crop Code          | cotton         | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |        |        |        |
| Rating Data Type   | #              | #         | #         | #         | #         | #         | #         | #         |        |        |        |
| Rating Unit        | bolts          | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |        |        |        |
| Rating Date        | Oct-06-05      | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |        |        |        |
| Crop Stage         | lt row         | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    |        |        |        |
| Trt-Eval Interval  | 91 DA-A        | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |        |        |        |
| ARM Action Codes   |                |           |           |           |           |           |           |           |        |        |        |
| # Subsamples, Dec. |                |           |           |           |           |           |           |           |        |        |        |
| Trt No.            | Treatment Name | Rate      | Unit      | 57        | 58        | 59        | 60        | 61        | 62     | 63     | 64     |
| 12                 | Envoke         | 0.1       | oz wt/a   | 4         | 3         | 2         | 2         | 1         | 1      | 0      | 0      |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |        |        |        |
|                    | Pix            | 6         | fl oz/a   |           |           |           |           |           |        |        |        |
|                    | Pix            | 8         | fl oz/a   |           |           |           |           |           |        |        |        |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |        |        |        |
|                    | Pix            | 12        | fl oz/a   |           |           |           |           |           |        |        |        |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |        |        |        |
| LSD (P=.05)        |                |           |           | 4.0       | 5.1       | 4.2       | 4.1       | 3.7       | 2.8    | 3.2    | 2.4    |
| Standard Deviation |                |           |           | 2.4       | 3.0       | 2.5       | 2.4       | 2.2       | 1.7    | 1.9    | 1.4    |
| CV                 |                |           |           | 35.73     | 55.27     | 61.64     | 76.63     | 108.01    | 150.82 | 282.14 | 347.04 |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | node 22   | node 23   | node 24   | node 25   | node 4    | node 5    | node 6    | node 7    |    |    |    |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |    |    |    |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |    |    |    |
| Rating Unit        | bolts   | bolts   | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |    |    |    |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |    |    |    |
| Crop Stage         | lt row  | lt row  | lt row    | lt row    | rt row    | rt row    | rt row    | rt row    |    |    |    |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |    |    |    |
| ARM Action Codes   |   |   |           |           |           |           |           |           |    |    |    |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |    |    |    |
| Trt No.            | Treatment Name  | Rate  | Unit      | 65        | 66        | 67        | 68        | 69        | 70 | 71 | 72 |
| 1                  | No Pix or Envoke  |   |           | 0         | 0         | 0         | 0         | 0         | 0  | 2  | 5  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 0         | 0         | 0         | 0         | 0         | 0  | 1  | 4  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 0         | 0         | 0         | 0         | 0         | 0  | 2  | 4  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 0         | 0         | 0         | 0         | 0         | 0  | 3  | 7  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 2         | 2         | 1         | 0         | 0         | 0  | 0  | 5  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 0         | 0         | 0         | 0         | 0         | 0  | 1  | 6  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 0         | 0         | 0         | 0         | 0         | 0  | 0  | 5  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 0         | 0         | 0         | 0         | 0         | 0  | 0  | 5  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 0         | 0         | 0         | 0         | 0         | 0  | 2  | 6  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 0         | 0         | 0         | 0         | 0         | 0  | 1  | 8  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 1         | 1         | 0         | 0         | 0         | 0  | 2  | 6  |

## University of Georgia

| Weed Code          | node 22        | node 23   | node 24   | node 25   | node 4    | node 5    | node 6    | node 7    |       |       |    |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|----|
| Crop Code          | cotton         | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |       |       |    |
| Rating Data Type   | #              | #         | #         | #         | #         | #         | #         | #         |       |       |    |
| Rating Unit        | bolts          | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |       |       |    |
| Rating Date        | Oct-06-05      | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |       |       |    |
| Crop Stage         | lt row         | lt row    | lt row    | lt row    | rt row    | rt row    | rt row    | rt row    |       |       |    |
| Trt-Eval Interval  | 91 DA-A        | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |       |       |    |
| ARM Action Codes   |                |           |           |           |           |           |           |           |       |       |    |
| # Subsamples, Dec. |                |           |           |           |           |           |           |           |       |       |    |
| Trt No.            | Treatment Name | Rate      | Unit      | 65        | 66        | 67        | 68        | 69        | 70    | 71    | 72 |
| 12                 | Envoke         | 0.1       | oz wt/a   | 0         | 0         | 0         | 0         | 0         | 0     | 1     | 6  |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |       |    |
|                    | Pix            | 6         | fl oz/a   |           |           |           |           |           |       |       |    |
|                    | Pix            | 8         | fl oz/a   |           |           |           |           |           |       |       |    |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |       |    |
|                    | Pix            | 12        | fl oz/a   |           |           |           |           |           |       |       |    |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |       |    |
| LSD (P=.05)        |                | 1.8       |           | 1.8       | 0.6       | 0.3       | 0.0       | 0.0       | 2.1   | 4.2   |    |
| Standard Deviation |                | 1.1       |           | 1.1       | 0.3       | 0.2       | 0.0       | 0.0       | 1.2   | 2.5   |    |
| CV                 |                | 436.24    |           | 436.24    | 600.0     | 600.0     | 0.0       | 0.0       | 88.55 | 44.34 |    |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | node 8  | node 9  | node 10   | node 11   | node 12   | node 13   | node 14   | node 15   |    |    |    |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |    |    |    |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |    |    |    |
| Rating Unit        | bolts   | bolts   | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |    |    |    |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |    |    |    |
| Crop Stage         | rt row  | rt row  | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |    |    |    |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |    |    |    |
| ARM Action Codes   |   |   |           |           |           |           |           |           |    |    |    |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |    |    |    |
| Trt No.            | Treatment Name  | Rate  | Unit      | 73        | 74        | 75        | 76        | 77        | 78 | 79 | 80 |
| 1                  | No Pix or Envoke  |   |           | 10        | 10        | 11        | 10        | 11        | 9  | 7  | 5  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 9         | 10        | 11        | 11        | 11        | 8  | 8  | 6  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 10        | 11        | 9         | 11        | 9         | 7  | 4  | 2  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 13        | 11        | 12        | 11        | 9         | 8  | 7  | 4  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 8         | 11        | 9         | 11        | 10        | 10 | 7  | 5  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 8         | 10        | 9         | 8         | 9         | 6  | 6  | 3  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 9         | 10        | 9         | 10        | 8         | 5  | 3  | 2  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 10        | 10        | 12        | 10        | 10        | 8  | 6  | 4  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 11        | 12        | 12        | 10        | 9         | 8  | 5  | 6  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 9         | 11        | 11        | 9         | 7         | 5  | 5  | 4  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 8         | 11        | 11        | 12        | 11        | 9  | 9  | 8  |

## University of Georgia

| Weed Code          | node 8         | node 9    | node 10   | node 11   | node 12   | node 13   | node 14   | node 15   |       |      |       |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|------|-------|
| Crop Code          | cotton         | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |       |      |       |
| Rating Data Type   | #              | #         | #         | #         | #         | #         | #         | #         |       |      |       |
| Rating Unit        | bolts          | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |       |      |       |
| Rating Date        | Oct-06-05      | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |       |      |       |
| Crop Stage         | rt row         | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |       |      |       |
| Trt-Eval Interval  | 91 DA-A        | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |       |      |       |
| ARM Action Codes   |                |           |           |           |           |           |           |           |       |      |       |
| # Subsamples, Dec. |                |           |           |           |           |           |           |           |       |      |       |
| Trt No.            | Treatment Name | Rate      | Unit      | 73        | 74        | 75        | 76        | 77        | 78    | 79   | 80    |
| 12                 | Envoke         | 0.1       | oz wt/a   | 8         | 12        | 11        | 8         | 8         | 6     | 4    | 4     |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |      |       |
|                    | Pix            | 6         | fl oz/a   |           |           |           |           |           |       |      |       |
|                    | Pix            | 8         | fl oz/a   |           |           |           |           |           |       |      |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |      |       |
|                    | Pix            | 12        | fl oz/a   |           |           |           |           |           |       |      |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |      |       |
| LSD (P=.05)        |                |           |           | 4.8       | 3.3       | 2.4       | 3.1       | 3.0       | 3.8   | 3.7  | 4.3   |
| Standard Deviation |                |           |           | 2.8       | 1.9       | 1.4       | 1.8       | 1.8       | 2.2   | 2.2  | 2.6   |
| CV                 |                |           |           | 30.0      | 17.91     | 13.08     | 17.88     | 18.88     | 30.49 | 37.1 | 57.08 |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | node 16   | node 17   | node 18   | node 19   | node 20   | node 21   | node 22   | node 23   |    |    |    |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |    |    |    |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |    |    |    |
| Rating Unit        | bolts   | bolts   | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |    |    |    |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |    |    |    |
| Crop Stage         | rt row  | rt row  | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |    |    |    |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |    |    |    |
| ARM Action Codes   |   |   |           |           |           |           |           |           |    |    |    |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |    |    |    |
| Trt No.            | Treatment Name  | Rate  | Unit      | 81        | 82        | 83        | 84        | 85        | 86 | 87 | 88 |
| 1                  | No Pix or Envoke  |   |           | 5         | 4         | 3         | 1         | 0         | 0  | 0  | 0  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 5         | 4         | 3         | 0         | 0         | 0  | 0  | 0  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 2         | 1         | 1         | 0         | 0         | 0  | 0  | 0  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 4         | 2         | 2         | 1         | 0         | 0  | 0  | 0  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 5         | 4         | 2         | 2         | 1         | 0  | 0  | 0  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 3         | 2         | 0         | 0         | 0         | 0  | 0  | 0  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 2         | 0         | 0         | 0         | 0         | 0  | 0  | 0  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 5         | 3         | 1         | 0         | 0         | 0  | 0  | 0  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 4         | 3         | 2         | 1         | 0         | 0  | 0  | 0  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 4         | 3         | 2         | 0         | 0         | 0  | 0  | 0  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 9         | 5         | 5         | 2         | 1         | 0  | 0  | 0  |

## University of Georgia

| Weed Code          | node 16        | node 17   | node 18   | node 19   | node 20   | node 21   | node 22   | node 23   |        |       |       |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|-------|
| Crop Code          | cotton         | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |        |       |       |
| Rating Data Type   | #              | #         | #         | #         | #         | #         | #         | #         |        |       |       |
| Rating Unit        | bolts          | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |        |       |       |
| Rating Date        | Oct-06-05      | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |        |       |       |
| Crop Stage         | rt row         | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |        |       |       |
| Trt-Eval Interval  | 91 DA-A        | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |        |       |       |
| ARM Action Codes   |                |           |           |           |           |           |           |           |        |       |       |
| # Subsamples, Dec. |                |           |           |           |           |           |           |           |        |       |       |
| Trt No.            | Treatment Name | Rate      | Unit      | 81        | 82        | 83        | 84        | 85        | 86     | 87    | 88    |
| 12                 | Envoke         | 0.1       | oz wt/a   | 4         | 4         | 3         | 2         | 1         | 0      | 0     | 0     |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |        |       |       |
|                    | Pix            | 6         | fl oz/a   |           |           |           |           |           |        |       |       |
|                    | Pix            | 8         | fl oz/a   |           |           |           |           |           |        |       |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |        |       |       |
|                    | Pix            | 12        | fl oz/a   |           |           |           |           |           |        |       |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |        |       |       |
| LSD (P=.05)        |                |           |           | 5.2       | 4.3       | 3.9       | 2.6       | 1.3       | 0.7    | 0.3   | 0.3   |
| Standard Deviation |                |           |           | 3.1       | 2.6       | 2.3       | 1.6       | 0.8       | 0.4    | 0.2   | 0.2   |
| CV                 |                |           |           | 70.78     | 88.29     | 110.85    | 180.72    | 229.13    | 277.91 | 600.0 | 600.0 |

Means followed by same letter do not significantly differ (P=.05, LSD)

---



# University of Georgia

| Weed Code  | node 24<br>cotton   | node 25<br>cotton | node 4<br>bolls | node 5<br>bolls | node 6<br>bolls | node 7<br>bolls | node 8<br>bolls | node 9<br>bolls |
|--|---|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Crop Code  | #   | #                 | both rows       | both rows       | both rows       | both rows       | both rows       | both rows       |
| Rating Data Type   | #   | #                 | #               | #               | #               | #               | #               | #               |
| Rating Unit  | bolls   | bolls             | #               | #               | #               | #               | #               | #               |
| Rating Date  | Oct-06-05   | Oct-06-05         | Oct-06-05       | Oct-06-05       | Oct-06-05       | Oct-06-05       | Oct-06-05       | Oct-06-05       |
| Crop Stage   | rt row  | rt row            |                 |                 |                 |                 |                 |                 |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A           | 91 DA-A         | 91 DA-A         | 91 DA-A         | 91 DA-A         | 91 DA-A         | 91 DA-A         |
| ARM Action Codes   |   |                   | T7              | T8              | T9              | T10             | T11             | T12             |
| # Subsamples, Dec.   |   |                   |                 |                 | 1               | 1               | 1               | 1               |
| Trt Treatment  |   |                   |                 |                 |                 |                 |                 |                 |
| No. Name   |   |                   |                 |                 |                 |                 |                 |                 |
| Rate   |   |                   |                 |                 |                 |                 |                 |                 |
| Rate Unit  |   |                   |                 |                 |                 |                 |                 |                 |
|  | 89  | 90                | 91              | 92              | 93              | 94              | 95              | 96              |
| 1 No Pix or Envoke   | 0   | 0                 | 0               | 1               | 4.3             | 4.3             | 20.7            | 23.3            |
| 2 Envoke<br>NIS  | 0.1 oz wt/a<br>0.25 % v/v   | 0                 | 0               | 0               | 4.3             | 4.3             | 19.3            | 21.0            |
| 3 Pix<br>NIS   | 8 fl oz/a<br>0.25 % v/v   | 0                 | 0               | 0               | 4.3             | 4.3             | 18.3            | 24.0            |
| 4 Envoke<br>NIS<br>Pix<br>NIS                              | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  | 0                 | 0               | 0               | 4.7             | 4.7             | 22.3            | 20.3            |
| 5 Pix<br>NIS   | 16 fl oz/a<br>0.25 % v/v  | 0                 | 0               | 0               | 1.7             | 1.7             | 17.3            | 20.3            |
| 6 Envoke<br>NIS<br>Pix<br>NIS                              | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   | 0                 | 0               | 0               | 2.0             | 2.0             | 18.7            | 21.3            |
| 7 Pix<br>NIS<br>Pix<br>NIS                                 | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   | 0                 | 0               | 0               | 0.7             | 0.7             | 19.0            | 19.3            |
| 8 Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            | 0                 | 0               | 0               | 1.7             | 1.7             | 19.0            | 20.0            |
| 9 Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                   | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              | 0                 | 0               | 0               | 3.7             | 3.7             | 22.7            | 25.3            |
| 10 Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v | 0                 | 0               | 0               | 2.7             | 2.7             | 18.0            | 21.7            |
| 11 Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   | 0                 | 0               | 0               | 3.7             | 3.7             | 17.3            | 21.7            |

## University of Georgia

| Weed Code          | node 24     | node 25   | node 4    | node 5    | node 6    | node 7    | node 8    | node 9    |       |
|--------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| Crop Code          | cotton      | cotton    | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |       |
| Rating Data Type   | #           | #         | both rows | both rows | both rows | both rows | both rows | both rows |       |
| Rating Unit        | bolts       | bolts     | #         | #         | #         | #         | #         | #         |       |
| Rating Date        | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |       |
| Crop Stage         | rt row      | rt row    |           |           |           |           |           |           |       |
| Trt-Eval Interval  | 91 DA-A     | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |       |
| ARM Action Codes   |             |           | T7        | T8        | T9        | T10       | T11       | T12       |       |
| # Subsamples, Dec. |             |           |           |           | 1         | 1         | 1         | 1         |       |
| Trt Treatment      |             |           |           |           |           |           |           |           |       |
| No. Name           | Rate        | Rate      | Rate      | Rate      | Rate      | Rate      | Rate      | Rate      |       |
|                    | Unit        | Unit      | Unit      | Unit      | Unit      | Unit      | Unit      | Unit      |       |
|                    |             |           |           |           |           |           |           |           |       |
| 12 Envoke          | 0.1 oz wt/a | 0         | 0         | 0         | 1         | 4.3       | 4.3       | 18.3      | 23.3  |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |       |
| Pix                | 6 fl oz/a   |           |           |           |           |           |           |           |       |
| Pix                | 8 fl oz/a   |           |           |           |           |           |           |           |       |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |       |
| Pix                | 12 fl oz/a  |           |           |           |           |           |           |           |       |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |       |
| LSD (P=.05)        |             | 0.0       | 0.0       | 0.0       | 1.1       | 4.06      | 4.06      | 5.54      | 5.17  |
| Standard Deviation |             | 0.0       | 0.0       | 0.0       | 0.6       | 2.39      | 2.39      | 3.27      | 3.05  |
| CV                 |             | 0.0       | 0.0       | 0.0       | 258.2     | 75.62     | 75.62     | 17.01     | 14.01 |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 91: T7 = [C47]+[C69]

Column 92: T8 = [C48]+[C70]

Column 93: T9 = [C49]+[C71]

Column 94: T10 = [C49]+[C71]

Column 95: T11 = [C51]+[C73]

Column 96: T12 = [C52]+[C74]

# University of Georgia

| Weed Code         | node 10<br>bolls  | node 11<br>bolls  | node 12<br>bolls | node 13<br>bolls | node 14<br>bolls | node 15<br>bolls | node 16<br>bolls | node 17<br>bolls |      |      |      |      |      |
|-------------------|---|---|------------------|------------------|------------------|------------------|------------------|------------------|------|------|------|------|------|
| Crop Code         | both rows   | both rows   | both rows        | both rows        | both rows        | both rows        | both rows        | both rows        |      |      |      |      |      |
| Rating Data Type  | #   | #   | #                | #                | #                | #                | #                | #                |      |      |      |      |      |
| Rating Unit       | Oct-06-05   | Oct-06-05   | Oct-06-05        | Oct-06-05        | Oct-06-05        | Oct-06-05        | Oct-06-05        | Oct-06-05        |      |      |      |      |      |
| Rating Date       | 91 DA-A   | 91 DA-A   | 91 DA-A          | 91 DA-A          | 91 DA-A          | 91 DA-A          | 91 DA-A          | 91 DA-A          |      |      |      |      |      |
| Crop Stage        | T13   | T14   | T15              | T16              | T17              | T18              | T19              | T20              |      |      |      |      |      |
| Trt-Eval Interval | 1   | 1   | 1                | 1                | 1                | 1                | 1                | 1                |      |      |      |      |      |
| ARM Action Codes  | # Subsamples, Dec.                                      | Trt No.   | Treatment Name   | Rate             | Rate Unit        | 97               | 98               | 99               | 100  | 101  | 102  | 103  | 104  |
| 1                 | No Pix or Envoke  |   |                  |                  |                  | 22.7             | 23.0             | 22.3             | 23.7 | 17.3 | 13.3 | 11.3 | 11.3 |
| 2                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   | 23.3             | 23.7             | 20.3             | 20.0             | 17.0             | 12.7             | 10.3 | 9.0  |      |      |      |
| 3                 | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   | 20.0             | 21.7             | 19.0             | 17.0             | 9.7              | 5.7              | 4.7  | 3.7  |      |      |      |
| 4                 | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  | 23.7             | 20.7             | 17.3             | 17.0             | 13.3             | 9.0              | 6.0  | 5.7  |      |      |      |
| 5                 | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  | 19.7             | 21.7             | 20.3             | 19.3             | 14.3             | 11.0             | 9.3  | 8.3  |      |      |      |
| 6                 | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   | 20.0             | 20.0             | 17.7             | 15.3             | 13.3             | 8.3              | 5.3  | 5.0  |      |      |      |
| 7                 | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   | 21.0             | 20.3             | 19.7             | 16.7             | 8.7              | 9.0              | 5.7  | 4.0  |      |      |      |
| 8                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            | 23.3             | 20.0             | 20.7             | 16.7             | 11.0             | 9.7              | 9.3  | 8.3  |      |      |      |
| 9                 | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              | 23.7             | 20.0             | 19.0             | 17.3             | 10.0             | 11.3             | 8.7  | 7.3  |      |      |      |
| 10                | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v | 20.0             | 18.3             | 13.0             | 15.0             | 8.3              | 6.0              | 6.0  | 5.3  |      |      |      |
| 11                | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   | 21.7             | 22.3             | 21.0             | 23.0             | 19.0             | 15.3             | 17.3 | 16.0 |      |      |      |

## University of Georgia

| Weed Code          | node 10   | node 11   | node 12   | node 13   | node 14   | node 15   | node 16   | node 17   |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Crop Code          | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |
| Rating Data Type   | both rows | both rows | both rows | both rows | both rows | both rows | both rows | both rows |
| Rating Unit        | #         | #         | #         | #         | #         | #         | #         | #         |
| Rating Date        | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |
| Crop Stage         |           |           |           |           |           |           |           |           |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |
| ARM Action Codes   | T13       | T14       | T15       | T16       | T17       | T18       | T19       | T20       |
| # Subsamples, Dec. | 1         | 1         | 1         | 1         | 1         | 1         | 1         | 1         |
| Trt Treatment      |           |           |           |           |           |           |           |           |
| No. Name           | 97        | 98        | 99        | 100       | 101       | 102       | 103       | 104       |
| Rate               |           |           |           |           |           |           |           |           |
| Unit               |           |           |           |           |           |           |           |           |
| 12 Envoke          | 21.7      | 18.3      | 16.3      | 14.0      | 8.7       | 7.7       | 6.7       | 6.0       |
| NIS                |           |           |           |           |           |           |           |           |
| Pix                |           |           |           |           |           |           |           |           |
| Pix                |           |           |           |           |           |           |           |           |
| NIS                |           |           |           |           |           |           |           |           |
| Pix                |           |           |           |           |           |           |           |           |
| NIS                |           |           |           |           |           |           |           |           |
| LSD (P=.05)        | 5.11      | 4.08      | 4.34      | 5.20      | 5.86      | 7.97      | 8.25      | 7.59      |
| Standard Deviation | 3.02      | 2.41      | 2.56      | 3.07      | 3.46      | 4.70      | 4.87      | 4.48      |
| CV                 | 13.9      | 11.57     | 13.56     | 17.15     | 27.58     | 47.44     | 58.09     | 59.76     |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 97: T13 = [C53]+[C75]

Column 98: T14 = [C54]+[C76]

Column 99: T15 = [C55]+[C77]

Column 100: T16 = [C56]+[C77]

Column 101: T17 = [C57]+[C79]

Column 102: T18 = [C58]+[C80]

Column 103: T19 = [C59]+[C81]

Column 104: T20 = [C60]+[C81]

# University of Georgia

| Weed Code          |   | node 18   | node 19   | node 20   | node 21   | node 22   | node 23   | node 24   | node 25   |     |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|
| Crop Code          |   | bolts   | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |     |     |
| Rating Data Type   |   | both rows   | both rows | both rows | both rows | both rows | both rows | both rows | both rows |     |     |
| Rating Unit        |   | #   | #         | #         | #         | #         | #         | #         | #         |     |     |
| Rating Date        |   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |
| Crop Stage         |   |   |           |           |           |           |           |           |           |     |     |
| Trt-Eval Interval  |   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |     |     |
| ARM Action Codes   |   | T21   | T22       | T23       | T24       | T25       | T26       | T27       | T28       |     |     |
| # Subsamples, Dec. |   | 1   | 1         | 1         | 1         | 1         | 1         | 1         | 1         |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 105       | 106       | 107       | 108       | 109       | 110       | 111 | 112 |
| 1                  | No Pix or Envoke  |   |           | 7.7       | 3.3       | 1.0       | 0.0       | 0.0       | 0.0       | 0.0 | 0.0 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 4.3       | 2.0       | 0.7       | 0.0       | 0.0       | 0.0       | 0.0 | 0.0 |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 1.7       | 0.3       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0 | 0.0 |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 2.3       | 1.3       | 0.7       | 0.3       | 0.0       | 0.0       | 0.0 | 0.0 |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 5.7       | 3.7       | 4.3       | 3.0       | 2.0       | 2.0       | 0.7 | 0.3 |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 1.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0 | 0.0 |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 2.0       | 1.7       | 0.3       | 0.7       | 0.3       | 0.3       | 0.0 | 0.0 |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 3.3       | 1.7       | 0.3       | 0.0       | 0.0       | 0.0       | 0.0 | 0.0 |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 2.0       | 1.3       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0 | 0.0 |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 2.7       | 0.7       | 0.0       | 0.3       | 0.0       | 0.0       | 0.0 | 0.0 |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 12.0      | 4.7       | 3.3       | 2.0       | 0.7       | 0.7       | 0.0 | 0.0 |

## University of Georgia

| Weed Code          | node 18     | node 19   | node 20   | node 21   | node 22   | node 23   | node 24   | node 25   |       |
|--------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| Crop Code          | bolts       | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     | bolts     |       |
| Rating Data Type   | both rows   | both rows | both rows | both rows | both rows | both rows | both rows | both rows |       |
| Rating Unit        | #           | #         | #         | #         | #         | #         | #         | #         |       |
| Rating Date        | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |       |
| Crop Stage         |             |           |           |           |           |           |           |           |       |
| Trt-Eval Interval  | 91 DA-A     | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   |       |
| ARM Action Codes   | T21         | T22       | T23       | T24       | T25       | T26       | T27       | T28       |       |
| # Subsamples, Dec. | 1           | 1         | 1         | 1         | 1         | 1         | 1         | 1         |       |
| Trt Treatment      | Rate        |           |           |           |           |           |           |           |       |
| No. Name           | Rate Unit   | 105       | 106       | 107       | 108       | 109       | 110       | 111       | 112   |
| 12 Envoke          | 0.1 oz wt/a | 4.3       | 3.0       | 1.3       | 0.3       | 0.3       | 0.3       | 0.0       | 0.0   |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |       |
| Pix                | 6 fl oz/a   |           |           |           |           |           |           |           |       |
| Pix                | 8 fl oz/a   |           |           |           |           |           |           |           |       |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |       |
| Pix                | 12 fl oz/a  |           |           |           |           |           |           |           |       |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |       |
| LSD (P=.05)        |             | 6.09      | 4.24      | 4.01      | 2.76      | 1.85      | 1.85      | 0.56      | 0.28  |
| Standard Deviation |             | 3.60      | 2.50      | 2.37      | 1.63      | 1.09      | 1.09      | 0.33      | 0.17  |
| CV                 |             | 88.09     | 126.97    | 236.93    | 292.96    | 393.45    | 393.45    | 600.0     | 600.0 |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 105: T21 = [C61]+[C83]

Column 106: T22 = [C62]+[C84]

Column 107: T23 = [C63]+[C85]

Column 108: T24 = [C64]+[C86]

Column 109: T25 = [C65]+[C87]

Column 110: T26 = [C66]+[C88]

Column 111: T27 = [C67]+[C89]

Column 112: T28 = [C68]+[C90]

# University of Georgia

| Weed Code          | nodes4-9<br>bolls                                       | nod10-14<br>bolls   | nod15-25<br>bolls | all node<br>bolls | mic<br>cotton | uhm<br>cotton | ui<br>cotton | str<br>cotton |     |     |     |
|--------------------|---|---|-------------------|-------------------|---------------|---------------|--------------|---------------|-----|-----|-----|
| Crop Code          | 20plants  | 20plants  | 20plants          | 20plants          | lint sample   | lint sample   | lint sample  | lint sample   |     |     |     |
| Rating Data Type   |   |   |                   |                   | unit          | IN            | %            | g/tex         |     |     |     |
| Rating Unit        | #   | #   | #                 | #                 |               |               |              |               |     |     |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05         | Oct-06-05         | Dec-12-05     | Dec-12-05     | Dec-12-05    | Dec-12-05     |     |     |     |
| Crop Stage         |   |   |                   |                   |               |               |              |               |     |     |     |
| Trt-Eval Interval  | 91 DA-A   | 91 DA-A   | 91 DA-A           | 91 DA-A           | 158 DA-A      | 158 DA-A      | 158 DA-A     | 158 DA-A      |     |     |     |
| ARM Action Codes   | T29   | T30   | T31               | T32               |               |               |              |               |     |     |     |
| # Subsamples, Dec. |   | 1   | 1                 | 1                 |               |               |              |               |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit              | 113               | 114           | 115           | 116          | 117           | 118 | 119 | 120 |
| 1                  | No Pix or Envoke  |   |                   | 49                | 109.0         | 65.3          | 223.3        | 5             | 1   | 81  | 28  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 45                | 104.3         | 56.0          | 205.0        | 5             | 1   | 81  | 29  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                   | 47                | 87.3          | 25.7          | 160.0        | 5             | 1   | 81  | 28  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                   | 47                | 92.0          | 38.7          | 178.0        | 5             | 1   | 80  | 29  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                   | 40                | 95.3          | 64.7          | 199.7        | 5             | 1   | 80  | 29  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                   | 42                | 86.3          | 33.0          | 161.3        | 5             | 1   | 81  | 29  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                   | 39                | 86.3          | 32.7          | 158.3        | 5             | 1   | 81  | 29  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                   | 41                | 91.7          | 43.7          | 176.3        | 5             | 1   | 80  | 28  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                   | 52                | 90.0          | 40.7          | 182.3        | 5             | 1   | 81  | 28  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                   | 42                | 74.7          | 29.3          | 146.3        | 5             | 1   | 80  | 29  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 43                | 107.0         | 91.0          | 240.7        | 5             | 1   | 80  | 28  |

# University of Georgia

|                    |             |           |           |           |           |             |             |             |             |
|--------------------|-------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|
| Weed Code          |             | nodes4-9  | nod10-14  | nod15-25  | all node  | mic         | uhm         | ui          | str         |
| Crop Code          |             | bolls     | bolls     | bolls     | bolls     | cotton      | cotton      | cotton      | cotton      |
| Rating Data Type   |             | 20plants  | 20plants  | 20plants  | 20plants  | lint sample | lint sample | lint sample | lint sample |
| Rating Unit        |             | #         | #         | #         | #         | unit        | IN          | %           | g/tex       |
| Rating Date        |             | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Dec-12-05   | Dec-12-05   | Dec-12-05   | Dec-12-05   |
| Crop Stage         |             |           |           |           |           |             |             |             |             |
| Trt-Eval Interval  |             | 91 DA-A   | 91 DA-A   | 91 DA-A   | 91 DA-A   | 158 DA-A    | 158 DA-A    | 158 DA-A    | 158 DA-A    |
| ARM Action Codes   |             | T29       | T30       | T31       | T32       |             |             |             |             |
| # Subsamples, Dec. |             |           | 1         | 1         | 1         |             |             |             |             |
| Trt Treatment      | Rate        |           |           |           |           |             |             |             |             |
| No. Name           | Rate Unit   | 113       | 114       | 115       | 116       | 117         | 118         | 119         | 120         |
| 12 Envoke          | 0.1 oz wt/a | 47        | 79.0      | 38.7      | 164.7     | 5           | 1           | 81          | 30          |
| NIS                | 0.25 % v/v  |           |           |           |           |             |             |             |             |
| Pix                | 6 fl oz/a   |           |           |           |           |             |             |             |             |
| Pix                | 8 fl oz/a   |           |           |           |           |             |             |             |             |
| NIS                | 0.25 % v/v  |           |           |           |           |             |             |             |             |
| Pix                | 12 fl oz/a  |           |           |           |           |             |             |             |             |
| NIS                | 0.25 % v/v  |           |           |           |           |             |             |             |             |
| LSD (P=.05)        |             | 10.7      | 18.28     | 42.95     | 56.46     | 0.2         | 0.0         | 1.3         | 1.3         |
| Standard Deviation |             | 6.3       | 10.80     | 25.36     | 33.34     | 0.1         | 0.0         | 0.8         | 0.8         |
| CV                 |             | 14.27     | 11.75     | 54.41     | 18.22     | 2.34        | 1.91        | 0.95        | 2.66        |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 113: T29 = [C91]+[C92]+[C93]+[C95]+[C96]

Column 114: T30 = [C97]+[C98]+[C99]+[C100]+[C101]

Column 115: T31 = [C101]+[C102]+[C103]+[C104]+[C105]+[C106]+[C107]+[C108]+[C109]+[C110]+[C111]+[C112]

Column 116: T32 = [C113]+[C114]+[C115]



# University of Georgia

| Weed Code          | elo<br>cotton   | rd<br>cotton  | +b<br>cotton | cgrd<br>cotton | cgrd<br>cotton | area %<br>cotton | sfc%<br>cotton |     |     |     |
|--------------------|---|---|--------------|----------------|----------------|------------------|----------------|-----|-----|-----|
| Crop Code          | lint sample   | lint sample   | lint sample  | lint sample    | lint sample    | lint sample      | lint sample    |     |     |     |
| Rating Data Type   | Dec-12-05   | Dec-12-05   | Dec-12-05    | Dec-12-05      | Dec-12-05      | Dec-12-05        | Dec-12-05      |     |     |     |
| Rating Unit        | 158 DA-A  | 158 DA-A  | 158 DA-A     | 158 DA-A       | 158 DA-A       | 158 DA-A         | 158 DA-A       |     |     |     |
| Rating Date        |   |   |              |                |                |                  |                |     |     |     |
| Crop Stage         |   |   |              |                |                |                  |                |     |     |     |
| Trt-Eval Interval  |   |   |              |                |                |                  |                |     |     |     |
| ARM Action Codes   |   |   |              |                |                |                  |                |     |     |     |
| # Subsamples, Dec. |   |   |              |                |                |                  |                |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit         | 121            | 122            | 123              | 124            | 125 | 126 | 127 |
| 1                  | No Pix or Envoke  |   |              | 6              | 77             | 8                | 34             | 2   | 1   | 11  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |              | 6              | 76             | 8                | 34             | 2   | 1   | 8   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |              | 5              | 77             | 8                | 31             | 2   | 1   | 10  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |              | 5              | 78             | 7                | 34             | 1   | 1   | 11  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |              | 5              | 76             | 8                | 38             | 1   | 1   | 10  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |              | 5              | 78             | 8                | 31             | 2   | 1   | 9   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |              | 6              | 77             | 9                | 31             | 2   | 1   | 10  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |              | 5              | 78             | 9                | 28             | 1   | 1   | 12  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |              | 5              | 75             | 9                | 34             | 3   | 1   | 11  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |              | 5              | 79             | 8                | 31             | 1   | 1   | 10  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |              | 5              | 77             | 8                | 38             | 2   | 1   | 11  |

# University of Georgia

|                    |             |             |             |             |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Weed Code          |             | elo         | rd          | +b          | cgrd        | cgrd        | area %      | sfc%        |
| Crop Code          |             | cotton      | cotton      | cotton      | cotton      | cotton      | cotton      | cotton      |
| Rating Data Type   |             | lint sample | lint sample | lint sample | lint sample | lint sample | lint sample | lint sample |
| Rating Unit        |             |             |             |             |             |             |             |             |
| Rating Date        |             | Dec-12-05   | Dec-12-05   | Dec-12-05   | Dec-12-05   | Dec-12-05   | Dec-12-05   | Dec-12-05   |
| Crop Stage         |             |             |             |             |             |             |             |             |
| Trt-Eval Interval  |             | 158 DA-A    | 158 DA-A    | 158 DA-A    | 158 DA-A    | 158 DA-A    | 158 DA-A    | 158 DA-A    |
| ARM Action Codes   |             |             |             |             |             |             |             |             |
| # Subsamples, Dec. |             |             |             |             |             |             |             |             |
| Trt Treatment      | Rate        |             |             |             |             |             |             |             |
| No. Name           | Rate Unit   | 121         | 122         | 123         | 124         | 125         | 126         | 127         |
| 12 Evoke           | 0.1 oz wt/a | 5           | 79          | 8           | 31          | 2           | 1           | 11          |
| NIS                | 0.25 % v/v  |             |             |             |             |             |             |             |
| Pix                | 6 fl oz/a   |             |             |             |             |             |             |             |
| Pix                | 8 fl oz/a   |             |             |             |             |             |             |             |
| NIS                | 0.25 % v/v  |             |             |             |             |             |             |             |
| Pix                | 12 fl oz/a  |             |             |             |             |             |             |             |
| NIS                | 0.25 % v/v  |             |             |             |             |             |             |             |
| LSD (P=.05)        |             | 0.6         | 2.3         | 1.6         | 12.7        | 1.6         | 0.6         | 2.6         |
| Standard Deviation |             | 0.3         | 1.4         | 1.0         | 7.5         | 0.9         | 0.4         | 1.5         |
| CV                 |             | 6.4         | 1.75        | 11.85       | 22.68       | 52.64       | 32.78       | 14.87       |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          |   |   |           |            |           |           |           |         |         |     |     |
|--------------------|---|---|-----------|------------|-----------|-----------|-----------|---------|---------|-----|-----|
| Crop Code          |   | gin   | gin       | %lint      | Seed yld  | Seed yld  | Lint yld  | plant 1 | plant 2 |     |     |
| Rating Data Type   |   | sample  | lint      | gin sample | cotton    | cotton    | cotton    | cotton  | cotton  |     |     |
| Rating Unit        |   | wt/lb   | wt/lb     | percent    | wt        | wt        | wt        | #       | #       |     |     |
| Rating Date        |   | Oct-25-05   | Oct-25-05 | Oct-25-05  | lb/plot   | lb/A      | lb/A      | nodes   | nodes   |     |     |
| Crop Stage         |   |   |           |            | Oct-21-05 | Oct-21-05 | Oct-21-05 | lt row  | lt row  |     |     |
| Trt-Eval Interval  |   | 110 DA-A  | 110 DA-A  | 110 DA-A   | 106 DA-A  | 106 DA-A  | 106 DA-A  |         |         |     |     |
| ARM Action Codes   |   |   |           | T3         |           | TY4       | T5        |         |         |     |     |
| # Subsamples, Dec. |   |   |           | 1          |           | 1         | 1         |         |         |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 128        | 129       | 130       | 131       | 132     | 133     | 134 | 135 |
| 1                  | No Pix or Envoke  |   |           | 0          | 0         | 0.6       | 11        | 3248.6  | 1790.1  | 19  | 17  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 0          | 0         | 0.5       | 10        | 2861.4  | 1536.3  | 18  | 18  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 0          | 0         | 0.5       | 10        | 2892.4  | 1512.6  | 16  | 16  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 0          | 0         | 0.6       | 10        | 2784.0  | 1563.7  | 18  | 17  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 0          | 0         | 0.6       | 11        | 3196.3  | 1741.2  | 19  | 18  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 0          | 0         | 0.5       | 10        | 2977.6  | 1624.3  | 16  | 17  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 0          | 0         | 0.5       | 10        | 2933.0  | 1455.2  | 18  | 17  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 1          | 0         | 0.5       | 10        | 2904.0  | 1495.4  | 17  | 16  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 1          | 0         | 0.5       | 10        | 2854.6  | 1416.0  | 15  | 16  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 1          | 0         | 0.5       | 9         | 2627.2  | 1342.8  | 17  | 16  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 1          | 0         | 0.5       | 10        | 2811.1  | 1478.7  | 19  | 21  |

# University of Georgia

|                    |             |           |            |           |           |           |           |           |       |
|--------------------|-------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-------|
| Weed Code          |             |           |            | Seed yld  | Seed yld  | Lint yld  | plant 1   | plant 2   |       |
| Crop Code          | gin         | gin       | %lint      | cotton    | cotton    | cotton    | cotton    | cotton    |       |
| Rating Data Type   | sample      | lint      | gin sample | wt        | wt        | wt        | #         | #         |       |
| Rating Unit        | wt/lb       | wt/lb     | percent    | lb/plot   | lb/A      | lb/A      | nodes     | nodes     |       |
| Rating Date        | Oct-25-05   | Oct-25-05 | Oct-25-05  | Oct-21-05 | Oct-21-05 | Oct-21-05 | Oct-06-05 | Oct-06-05 |       |
| Crop Stage         |             |           |            |           |           |           | lt row    | lt row    |       |
| Trt-Eval Interval  | 110 DA-A    | 110 DA-A  | 110 DA-A   | 106 DA-A  | 106 DA-A  | 106 DA-A  |           |           |       |
| ARM Action Codes   |             |           | T3         |           | TY4       | T5        |           |           |       |
| # Subsamples, Dec. |             |           | 1          |           | 1         | 1         |           |           |       |
| Trt Treatment      | Rate        |           |            |           |           |           |           |           |       |
| No. Name           | Rate Unit   | 128       | 129        | 130       | 131       | 132       | 133       | 134       | 135   |
| 12 Envoke          | 0.1 oz wt/a | 1         | 0          | 0.5       | 10        | 2902.1    | 1494.7    | 16        | 18    |
| NIS                | 0.25 % v/v  |           |            |           |           |           |           |           |       |
| Pix                | 6 fl oz/a   |           |            |           |           |           |           |           |       |
| Pix                | 8 fl oz/a   |           |            |           |           |           |           |           |       |
| NIS                | 0.25 % v/v  |           |            |           |           |           |           |           |       |
| Pix                | 12 fl oz/a  |           |            |           |           |           |           |           |       |
| NIS                | 0.25 % v/v  |           |            |           |           |           |           |           |       |
| LSD (P=.05)        |             | 0.3       | 0.1        | 0.08      | 2.3       | 674.94    | 435.00    | 3.5       | 3.4   |
| Standard Deviation |             | 0.2       | 0.1        | 0.05      | 1.4       | 398.57    | 256.87    | 2.1       | 2.0   |
| CV                 |             | 32.58     | 30.5       | 9.52      | 13.67     | 13.67     | 16.71     | 12.04     | 11.79 |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 130: T3 = [C129]/[C128]

Column 132: TY4 = 290.4\*[C131]

Column 133: T5 = [C132]\*[C130]

# University of Georgia

| Weed Code          | plant 3<br>cotton                                       | plant 4<br>cotton   | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton |     |     |     |
|--------------------|---|---|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-----|-----|-----|
| Crop Code          | #   | #   | #                 | #                 | #                 | #                 | #                 | #                  |     |     |     |
| Rating Data Type   | nodes   | nodes   | nodes             | nodes             | nodes             | nodes             | nodes             | nodes              |     |     |     |
| Rating Unit        | Oct-06-05   | Oct-06-05   | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05          |     |     |     |
| Rating Date        | lt row  | lt row  | lt row            | lt row            | lt row            | lt row            | lt row            | lt row             |     |     |     |
| Crop Stage         |   |   |                   |                   |                   |                   |                   |                    |     |     |     |
| Trt-Eval Interval  |   |   |                   |                   |                   |                   |                   |                    |     |     |     |
| ARM Action Codes   |   |   |                   |                   |                   |                   |                   |                    |     |     |     |
| # Subsamples, Dec. |   |   |                   |                   |                   |                   |                   |                    |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit              | 136               | 137               | 138               | 139               | 140                | 141 | 142 | 143 |
| 1                  | No Pix or Envoke  |   |                   | 17                | 19                | 19                | 17                | 19                 | 18  | 18  | 17  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 18                | 18                | 19                | 18                | 16                 | 18  | 17  | 17  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                   | 15                | 14                | 15                | 16                | 15                 | 16  | 16  | 17  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                   | 14                | 16                | 17                | 15                | 16                 | 16  | 17  | 18  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                   | 16                | 18                | 16                | 17                | 16                 | 17  | 16  | 19  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                   | 16                | 16                | 16                | 15                | 18                 | 16  | 16  | 16  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                   | 16                | 18                | 17                | 15                | 15                 | 18  | 15  | 16  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                   | 17                | 18                | 16                | 19                | 16                 | 17  | 17  | 17  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                   | 17                | 17                | 15                | 19                | 17                 | 17  | 15  | 17  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                   | 16                | 16                | 15                | 15                | 16                 | 16  | 16  | 16  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 20                | 21                | 19                | 18                | 16                 | 19  | 19  | 18  |

## University of Georgia

| Weed Code          | plant 3<br>cotton | plant 4<br>cotton | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton |       |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------|
| Rating Data Type   | #                 | #                 | #                 | #                 | #                 | #                 | #                 | #                  |       |
| Rating Unit        | nodes             | nodes             | nodes             | nodes             | nodes             | nodes             | nodes             | nodes              |       |
| Rating Date        | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05          |       |
| Crop Stage         | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            | lt row             |       |
| Trt-Eval Interval  |                   |                   |                   |                   |                   |                   |                   |                    |       |
| ARM Action Codes   |                   |                   |                   |                   |                   |                   |                   |                    |       |
| # Subsamples, Dec. |                   |                   |                   |                   |                   |                   |                   |                    |       |
| Trt Treatment      | Rate              |                   |                   |                   |                   |                   |                   |                    |       |
| No. Name           | Rate Unit         | 136               | 137               | 138               | 139               | 140               | 141               | 142                | 143   |
| 12 Envoke          | 0.1 oz wt/a       | 15                | 17                | 17                | 17                | 16                | 16                | 17                 | 17    |
| NIS                | 0.25 % v/v        |                   |                   |                   |                   |                   |                   |                    |       |
| Pix                | 6 fl oz/a         |                   |                   |                   |                   |                   |                   |                    |       |
| Pix                | 8 fl oz/a         |                   |                   |                   |                   |                   |                   |                    |       |
| NIS                | 0.25 % v/v        |                   |                   |                   |                   |                   |                   |                    |       |
| Pix                | 12 fl oz/a        |                   |                   |                   |                   |                   |                   |                    |       |
| NIS                | 0.25 % v/v        |                   |                   |                   |                   |                   |                   |                    |       |
| LSD (P=.05)        |                   | 2.9               | 3.4               | 3.3               | 3.4               | 3.8               | 3.3               | 3.3                | 3.2   |
| Standard Deviation |                   | 1.7               | 2.0               | 1.9               | 2.0               | 2.3               | 2.0               | 2.0                | 1.9   |
| CV                 |                   | 10.37             | 11.56             | 11.47             | 11.92             | 13.81             | 11.47             | 11.82              | 11.21 |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | Avg10pla<br>cotton                                      | plant 1<br>cotton   | plant 2<br>cotton | plant 3<br>cotton | plant 4<br>cotton | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton |     |     |     |
|--------------------|---|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|-----|
| Crop Code          | #   | #   | #                 | #                 | #                 | #                 | #                 | #                 |     |     |     |
| Rating Data Type   | nodes   | nodes   | nodes             | nodes             | nodes             | nodes             | nodes             | nodes             |     |     |     |
| Rating Unit        | Oct-06-05   | Oct-06-05   | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         |     |     |     |
| Rating Date        | lt row  | rt row  | rt row            | rt row            | rt row            | rt row            | rt row            | rt row            |     |     |     |
| Crop Stage         |   |   |                   |                   |                   |                   |                   |                   |     |     |     |
| Trt-Eval Interval  |   |   |                   |                   |                   |                   |                   |                   |     |     |     |
| ARM Action Codes   | T33   |   |                   |                   |                   |                   |                   |                   |     |     |     |
| # Subsamples, Dec. |   |   |                   |                   |                   |                   |                   |                   |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit              | 144               | 145               | 146               | 147               | 148               | 149 | 150 | 151 |
| 1                  | No Pix or Envoke  |   |                   | 18                | 17                | 15                | 17                | 16                | 18  | 17  | 17  |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 18                | 18                | 19                | 19                | 19                | 18  | 17  | 17  |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                   | 16                | 15                | 15                | 16                | 16                | 16  | 15  | 14  |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                   | 16                | 18                | 16                | 16                | 16                | 17  | 17  | 16  |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                   | 17                | 18                | 17                | 16                | 17                | 19  | 16  | 18  |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                   | 16                | 15                | 16                | 17                | 16                | 16  | 15  | 16  |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                   | 17                | 17                | 13                | 15                | 15                | 14  | 15  | 15  |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                   | 17                | 16                | 17                | 17                | 18                | 16  | 17  | 16  |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                   | 17                | 16                | 19                | 16                | 17                | 18  | 17  | 17  |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                   | 16                | 17                | 15                | 18                | 15                | 16  | 17  | 17  |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                   | 19                | 18                | 18                | 19                | 19                | 17  | 20  | 19  |

# University of Georgia

|                    |             |           |           |           |           |           |           |           |           |
|--------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Weed Code          |             | Avg10pla  | plant 1   | plant 2   | plant 3   | plant 4   | plant 5   | plant 6   | plant 7   |
| Crop Code          |             | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |
| Rating Data Type   |             | #         | #         | #         | #         | #         | #         | #         | #         |
| Rating Unit        |             | nodes     | nodes     | nodes     | nodes     | nodes     | nodes     | nodes     | nodes     |
| Rating Date        |             | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |
| Crop Stage         |             | lt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |
| Trt-Eval Interval  |             |           |           |           |           |           |           |           |           |
| ARM Action Codes   |             | T33       |           |           |           |           |           |           |           |
| # Subsamples, Dec. |             |           |           |           |           |           |           |           |           |
| Trt Treatment      | Rate        |           |           |           |           |           |           |           |           |
| No. Name           | Rate Unit   | 144       | 145       | 146       | 147       | 148       | 149       | 150       | 151       |
| 12 Envoke          | 0.1 oz wt/a | 17        | 17        | 17        | 17        | 16        | 17        | 16        | 21        |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| Pix                | 6 fl oz/a   |           |           |           |           |           |           |           |           |
| Pix                | 8 fl oz/a   |           |           |           |           |           |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| Pix                | 12 fl oz/a  |           |           |           |           |           |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| LSD (P=.05)        |             | 1.9       | 2.7       | 3.0       | 2.8       | 2.8       | 3.7       | 3.2       | 4.0       |
| Standard Deviation |             | 1.1       | 1.6       | 1.7       | 1.6       | 1.7       | 2.2       | 1.9       | 2.4       |
| CV                 |             | 6.8       | 9.36      | 10.55     | 9.64      | 10.06     | 13.04     | 11.47     | 13.98     |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 144: T33 =  $([C134]+[C135]+[C136]+[C137]+[C138]+[C139]+[C140]+[C141]+[C142]+[C143])/10$



# University of Georgia

| Weed Code          | plant 8   | plant 9   | plant 10  | Avg10pla  | Avg20pla  | HT/Node   | plant 1   | plant 2   |     |     |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | ratio     | cotton    | cotton    |     |     |     |
| Rating Data Type   | #   | #   | #         | #         | #         | cm        | #         | #         |     |     |     |
| Rating Unit        | nodes   | nodes   | nodes     | nodes     | nodes     | ht/node   | 1bollset  | 1bollset  |     |     |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |     |
| Crop Stage         | rt row  | rt row  | rt row    | rt row    | bothrows  | all       | lt row    | lt row    |     |     |     |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |     |     |
| ARM Action Codes   |   |   |           | T34       | T37       | T38       |           |           |     |     |     |
| # Subsamples, Dec. |   |   |           |           | 1         | 1         |           |           |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 152       | 153       | 154       | 155       | 156       | 157 | 158 | 159 |
| 1                  | No Pix or Envoke  |   |           | 17        | 17        | 19        | 17        | 17.5      | 5.9 | 7   | 7   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 16        | 17        | 17        | 18        | 17.7      | 5.7 | 7   | 7   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 16        | 15        | 17        | 16        | 15.7      | 5.3 | 7   | 8   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 17        | 18        | 19        | 17        | 16.6      | 4.4 | 7   | 7   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 17        | 17        | 18        | 17        | 17.2      | 5.0 | 7   | 8   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 16        | 16        | 16        | 16        | 16.1      | 4.3 | 7   | 7   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 16        | 16        | 16        | 15        | 15.8      | 5.1 | 8   | 8   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 19        | 16        | 15        | 17        | 16.9      | 4.5 | 8   | 7   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 17        | 18        | 16        | 17        | 16.8      | 4.7 | 8   | 8   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 17        | 18        | 18        | 17        | 16.5      | 4.2 | 7   | 7   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 21        | 18        | 19        | 19        | 18.8      | 5.3 | 7   | 8   |

# University of Georgia

|                    |             |           |           |           |           |           |           |           |   |
|--------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| Weed Code          | plant 8     | plant 9   | plant 10  | Avg10pla  | Avg20pla  | HT/Node   | plant 1   | plant 2   |   |
| Crop Code          | cotton      | cotton    | cotton    | cotton    | cotton    | ratio     | cotton    | cotton    |   |
| Rating Data Type   | #           | #         | #         | #         | #         | cm        | #         | #         |   |
| Rating Unit        | nodes       | nodes     | nodes     | nodes     | nodes     | ht/node   | 1bollset  | 1bollset  |   |
| Rating Date        | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |   |
| Crop Stage         | rt row      | rt row    | rt row    | rt row    | bothrows  | all       | lt row    | lt row    |   |
| Trt-Eval Interval  |             |           |           |           |           |           |           |           |   |
| ARM Action Codes   |             |           |           | T34       | T37       | T38       |           |           |   |
| # Subsamples, Dec. |             |           |           |           | 1         | 1         |           |           |   |
| Trt Treatment      |             |           |           |           |           |           |           |           |   |
| No. Name           | 152         | 153       | 154       | 155       | 156       | 157       | 158       | 159       |   |
| Rate               |             |           |           |           |           |           |           |           |   |
| Unit               |             |           |           |           |           |           |           |           |   |
| 12 Envoke          | 0.1 oz wt/a | 19        | 18        | 19        | 18        | 17.2      | 4.0       | 7         | 7 |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |   |
| Pix                | 6 fl oz/a   |           |           |           |           |           |           |           |   |
| Pix                | 8 fl oz/a   |           |           |           |           |           |           |           |   |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |   |
| Pix                | 12 fl oz/a  |           |           |           |           |           |           |           |   |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |   |
| LSD (P=.05)        | 3.6         | 3.5       | 3.7       | 2.1       | 1.77      | 0.37      | 1.4       | 1.7       |   |
| Standard Deviation | 2.1         | 2.1       | 2.2       | 1.3       | 1.04      | 0.22      | 0.8       | 1.0       |   |
| CV                 | 12.39       | 12.2      | 12.56     | 7.42      | 6.18      | 4.44      | 11.33     | 13.11     |   |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 155: T34 = ([C145]+[C146]+[C147]+[C148]+[C149]+[C150]+[C151]+[C152]+[C153]+[C154])/10

Column 156: T37 = ([C144]+[C155])/2

Column 157: T38 = [C46]/[C156]

# University of Georgia

| Weed Code          | plant 3<br>cotton<br>#                                  | plant 4<br>cotton<br>#  | plant 5<br>cotton<br># | plant 6<br>cotton<br># | plant 7<br>cotton<br># | plant 8<br>cotton<br># | plant 9<br>cotton<br># | plant 10<br>cotton<br># |     |     |     |
|--------------------|---|---|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-----|-----|-----|
| Crop Code          | 1bollset  | 1bollset  | 1bollset               | 1bollset               | 1bollset               | 1bollset               | 1bollset               | 1bollset                |     |     |     |
| Rating Data Type   | Oct-06-05   | Oct-06-05   | Oct-06-05              | Oct-06-05              | Oct-06-05              | Oct-06-05              | Oct-06-05              | Oct-06-05               |     |     |     |
| Rating Unit        | lt row  | lt row  | lt row                 | lt row                 | lt row                 | lt row                 | lt row                 | lt row                  |     |     |     |
| Rating Date        |   |   |                        |                        |                        |                        |                        |                         |     |     |     |
| Crop Stage         |   |   |                        |                        |                        |                        |                        |                         |     |     |     |
| Trt-Eval Interval  |   |   |                        |                        |                        |                        |                        |                         |     |     |     |
| ARM Action Codes   |   |   |                        |                        |                        |                        |                        |                         |     |     |     |
| # Subsamples, Dec. |   |   |                        |                        |                        |                        |                        |                         |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit                   | 160                    | 161                    | 162                    | 163                    | 164                     | 165 | 166 | 167 |
| 1                  | No Pix or Envoke  |   |                        | 7                      | 7                      | 8                      | 7                      | 8                       | 8   | 8   | 9   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                        | 8                      | 7                      | 8                      | 7                      | 8                       | 8   | 7   | 7   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                        | 7                      | 6                      | 8                      | 8                      | 6                       | 8   | 8   | 7   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                        | 7                      | 7                      | 7                      | 7                      | 7                       | 8   | 8   | 8   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                        | 8                      | 7                      | 7                      | 8                      | 7                       | 8   | 8   | 9   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                        | 9                      | 7                      | 8                      | 8                      | 8                       | 8   | 7   | 7   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                        | 8                      | 8                      | 8                      | 7                      | 7                       | 8   | 7   | 8   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                        | 8                      | 8                      | 8                      | 8                      | 6                       | 7   | 8   | 8   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                        | 7                      | 8                      | 7                      | 7                      | 7                       | 8   | 8   | 8   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                        | 7                      | 7                      | 7                      | 7                      | 7                       | 8   | 7   | 8   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                        | 7                      | 8                      | 7                      | 8                      | 8                       | 7   | 7   | 8   |

## University of Georgia

| Weed Code          | plant 3<br>cotton | plant 4<br>cotton | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Crop Code          |                   |                   |                   |                   |                   |                   |                   |                    |
| Rating Data Type   | #                 | #                 | #                 | #                 | #                 | #                 | #                 | #                  |
| Rating Unit        | 1bollset          | 1bollset          | 1bollset          | 1bollset          | 1bollset          | 1bollset          | 1bollset          | 1bollset           |
| Rating Date        | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05          |
| Crop Stage         | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            | lt row             |
| Trt-Eval Interval  |                   |                   |                   |                   |                   |                   |                   |                    |
| ARM Action Codes   |                   |                   |                   |                   |                   |                   |                   |                    |
| # Subsamples, Dec. |                   |                   |                   |                   |                   |                   |                   |                    |
| Trt Treatment      |                   |                   |                   |                   |                   |                   |                   |                    |
| No. Name           | 160               | 161               | 162               | 163               | 164               | 165               | 166               | 167                |
| Rate               |                   |                   |                   |                   |                   |                   |                   |                    |
| Unit               |                   |                   |                   |                   |                   |                   |                   |                    |
| 12 Envoke          | 7                 | 7                 | 4                 | 8                 | 7                 | 7                 | 7                 | 7                  |
| NIS                |                   |                   |                   |                   |                   |                   |                   |                    |
| Pix                |                   |                   |                   |                   |                   |                   |                   |                    |
| Pix                |                   |                   |                   |                   |                   |                   |                   |                    |
| NIS                |                   |                   |                   |                   |                   |                   |                   |                    |
| Pix                |                   |                   |                   |                   |                   |                   |                   |                    |
| NIS                |                   |                   |                   |                   |                   |                   |                   |                    |
| LSD (P=.05)        | 1.7               | 1.7               | 2.2               | 2.0               | 2.2               | 1.5               | 1.3               | 1.7                |
| Standard Deviation | 1.0               | 1.0               | 1.3               | 1.2               | 1.3               | 0.9               | 0.8               | 1.0                |
| CV                 | 13.72             | 13.64             | 17.77             | 15.61             | 18.48             | 11.02             | 10.02             | 12.96              |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | plt avg<br>cotton<br>#                                  | plant 1<br>cotton<br>#  | plant 2<br>cotton<br># | plant 3<br>cotton<br># | plant 4<br>cotton<br># | plant 5<br>cotton<br># | plant 6<br>cotton<br># | plant 7<br>cotton<br># |     |     |     |
|--------------------|---|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----|-----|-----|
| Crop Code          | 1bollset  | 1bollset  | 1bollset               | 1bollset               | 1bollset               | 1bollset               | 1bollset               | 1bollset               |     |     |     |
| Rating Data Type   | Oct-06-05   | Oct-06-05   | Oct-06-05              | Oct-06-05              | Oct-06-05              | Oct-06-05              | Oct-06-05              | Oct-06-05              |     |     |     |
| Rating Unit        | lt row  | rt row  | rt row                 | rt row                 | rt row                 | rt row                 | rt row                 | rt row                 |     |     |     |
| Rating Date        |   |   |                        |                        |                        |                        |                        |                        |     |     |     |
| Crop Stage         |   |   |                        |                        |                        |                        |                        |                        |     |     |     |
| Trt-Eval Interval  |   |   |                        |                        |                        |                        |                        |                        |     |     |     |
| ARM Action Codes   | T35   |   |                        |                        |                        |                        |                        |                        |     |     |     |
| # Subsamples, Dec. |   |   |                        |                        |                        |                        |                        |                        |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit                   | 168                    | 169                    | 170                    | 171                    | 172                    | 173 | 174 | 175 |
| 1                  | No Pix or Envoke  |   |                        | 8                      | 7                      | 7                      | 8                      | 8                      | 8   | 7   | 7   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                        | 7                      | 8                      | 8                      | 8                      | 8                      | 8   | 7   | 7   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |                        | 7                      | 7                      | 7                      | 8                      | 8                      | 8   | 7   | 7   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |                        | 7                      | 8                      | 7                      | 8                      | 7                      | 7   | 6   | 7   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |                        | 8                      | 10                     | 7                      | 8                      | 8                      | 8   | 8   | 7   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |                        | 8                      | 7                      | 8                      | 7                      | 8                      | 8   | 7   | 8   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |                        | 8                      | 7                      | 7                      | 8                      | 8                      | 8   | 7   | 8   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |                        | 8                      | 7                      | 8                      | 8                      | 8                      | 7   | 9   | 8   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |                        | 8                      | 8                      | 8                      | 7                      | 7                      | 7   | 7   | 8   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |                        | 7                      | 8                      | 7                      | 8                      | 7                      | 7   | 7   | 8   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |                        | 8                      | 7                      | 7                      | 8                      | 8                      | 7   | 7   | 8   |

## University of Georgia

|                    |             |           |           |           |           |           |           |           |           |
|--------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Weed Code          |             | plt avg   | plant 1   | plant 2   | plant 3   | plant 4   | plant 5   | plant 6   | plant 7   |
| Crop Code          |             | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |
| Rating Data Type   |             | #         | #         | #         | #         | #         | #         | #         | #         |
| Rating Unit        |             | 1bollset  | 1bollset  | 1bollset  | 1bollset  | 1bollset  | 1bollset  | 1bollset  | 1bollset  |
| Rating Date        |             | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |
| Crop Stage         |             | lt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |
| Trt-Eval Interval  |             |           |           |           |           |           |           |           |           |
| ARM Action Codes   |             | T35       |           |           |           |           |           |           |           |
| # Subsamples, Dec. |             |           |           |           |           |           |           |           |           |
| Trt Treatment      | Rate        |           |           |           |           |           |           |           |           |
| No. Name           | Rate Unit   | 168       | 169       | 170       | 171       | 172       | 173       | 174       | 175       |
| 12 Envoke          | 0.1 oz wt/a | 7         | 7         | 7         | 7         | 8         | 7         | 8         | 8         |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| Pix                | 6 fl oz/a   |           |           |           |           |           |           |           |           |
| Pix                | 8 fl oz/a   |           |           |           |           |           |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| Pix                | 12 fl oz/a  |           |           |           |           |           |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |           |           |           |           |           |
| LSD (P=.05)        |             | 0.6       | 2.0       | 1.3       | 1.7       | 1.3       | 1.6       | 1.5       | 1.3       |
| Standard Deviation |             | 0.3       | 1.2       | 0.7       | 1.0       | 0.8       | 0.9       | 0.9       | 0.8       |
| CV                 |             | 4.64      | 15.44     | 10.34     | 13.29     | 10.15     | 12.56     | 11.82     | 10.3      |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 168: T35 =  $([C158]+[C159]+[C160]+[C161]+[C162]+[C163]+[C164]+[C165]+[C166]+[C167])/10$

---

# University of Georgia

| Weed Code          | plant 8   | plant 9   | plant 10  | plt avg   | 1st Boll  | plant 1   | plant 2   | plant 3   |     |     |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | Setting   | cotton    | cotton    | cotton    |     |     |     |
| Rating Data Type   | #   | #   | #         | #         | node #    | #         | #         | #         |     |     |     |
| Rating Unit        | 1bollset  | 1bollset  | 1bollset  | 1bollset  | 1st posi  | gr bolls  | gr bolls  | gr bolls  |     |     |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |     |
| Crop Stage         | rt row  | rt row  | rt row    | rt row    | all       | lt row    | lt row    | lt row    |     |     |     |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |     |     |
| ARM Action Codes   |   |   |           | T36       | T39       |           |           |           |     |     |     |
| # Subsamples, Dec. |   |   |           |           | 1         |           |           |           |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 176       | 177       | 178       | 179       | 180       | 181 | 182 | 183 |
| 1                  | No Pix or Envoke  |   |           | 8         | 8         | 8         | 7         | 7.6       | 7   | 4   | 5   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 7         | 7         | 7         | 7         | 7.4       | 7   | 5   | 5   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 7         | 7         | 8         | 7         | 7.3       | 4   | 5   | 1   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 7         | 6         | 8         | 7         | 7.2       | 4   | 4   | 4   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 8         | 8         | 7         | 8         | 7.8       | 7   | 4   | 1   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 8         | 8         | 7         | 8         | 7.5       | 6   | 4   | 4   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 8         | 8         | 8         | 8         | 7.8       | 5   | 4   | 3   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 8         | 8         | 7         | 8         | 7.6       | 3   | 3   | 4   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 6         | 6         | 8         | 7         | 7.4       | 2   | 2   | 4   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 7         | 7         | 8         | 7         | 7.4       | 4   | 3   | 3   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 8         | 8         | 8         | 8         | 7.6       | 7   | 13  | 7   |

# University of Georgia

|                    |             |                   |                   |                    |                   |                     |                   |                   |                   |
|--------------------|-------------|-------------------|-------------------|--------------------|-------------------|---------------------|-------------------|-------------------|-------------------|
| Weed Code          |             | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton | plt avg<br>cotton | 1st Boll<br>Setting | plant 1<br>cotton | plant 2<br>cotton | plant 3<br>cotton |
| Crop Code          |             | #                 | #                 | #                  | #                 | node #              | #                 | #                 | #                 |
| Rating Data Type   |             | 1bollset          | 1bollset          | 1bollset           | 1bollset          | 1st posi            | gr bolls          | gr bolls          | gr bolls          |
| Rating Unit        |             | rt row            | rt row            | rt row             | rt row            | all                 | lt row            | lt row            | lt row            |
| Rating Date        |             | Oct-06-05         | Oct-06-05         | Oct-06-05          | Oct-06-05         | Oct-06-05           | Oct-06-05         | Oct-06-05         | Oct-06-05         |
| Crop Stage         |             |                   |                   |                    |                   |                     |                   |                   |                   |
| Trt-Eval Interval  |             |                   |                   |                    |                   |                     |                   |                   |                   |
| ARM Action Codes   |             |                   |                   |                    | T36               | T39                 |                   |                   |                   |
| # Subsamples, Dec. |             |                   |                   |                    |                   | 1                   |                   |                   |                   |
| Trt Treatment      | Rate        |                   |                   |                    |                   |                     |                   |                   |                   |
| No. Name           | Rate Unit   | 176               | 177               | 178                | 179               | 180                 | 181               | 182               | 183               |
| 12 Envoke          | 0.1 oz wt/a | 8                 | 8                 | 8                  | 8                 | 7.1                 | 4                 | 4                 | 3                 |
| NIS                | 0.25 % v/v  |                   |                   |                    |                   |                     |                   |                   |                   |
| Pix                | 6 fl oz/a   |                   |                   |                    |                   |                     |                   |                   |                   |
| Pix                | 8 fl oz/a   |                   |                   |                    |                   |                     |                   |                   |                   |
| NIS                | 0.25 % v/v  |                   |                   |                    |                   |                     |                   |                   |                   |
| Pix                | 12 fl oz/a  |                   |                   |                    |                   |                     |                   |                   |                   |
| NIS                | 0.25 % v/v  |                   |                   |                    |                   |                     |                   |                   |                   |
| LSD (P=.05)        |             | 1.4               | 1.3               | 2.0                | 0.6               | 0.48                | 5.1               | 5.1               | 5.4               |
| Standard Deviation |             | 0.8               | 0.7               | 1.2                | 0.4               | 0.28                | 3.0               | 3.0               | 3.2               |
| CV                 |             | 10.95             | 9.92              | 15.29              | 5.01              | 3.78                | 60.6              | 67.94             | 88.48             |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 179: T36 =  $([C169]+[C170]+[C171]+[C172]+[C173]+[C174]+[C175]+[C176]+[C177]+[C178])/10$

Column 180: T39 =  $([C168]+[C179])/2$

---



# University of Georgia

| Weed Code          | plant 4   | plant 5   | plant 6   | plant 7   | plant 8   | plant 9   | plant 10  | Total #   |     |     |      |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|------|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | closed    |     |     |      |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |     |     |      |
| Rating Unit        | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  |     |     |      |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |      |
| Crop Stage         | lt row  | lt row  | lt row    | lt row    | lt row    | lt row    | lt row    | lt row    |     |     |      |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |     |      |
| ARM Action Codes   |   |   |           |           |           |           |           | T40       |     |     |      |
| # Subsamples, Dec. |   |   |           |           |           |           |           | 1         |     |     |      |
| Trt No.            | Treatment Name  | Rate  | Unit      | 184       | 185       | 186       | 187       | 188       | 189 | 190 | 191  |
| 1                  | No Pix or Envoke  |   |           | 8         | 8         | 3         | 7         | 3         | 5   | 4   | 53.3 |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 5         | 7         | 4         | 3         | 4         | 3   | 4   | 46.7 |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 3         | 3         | 3         | 3         | 4         | 7   | 6   | 38.0 |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 1         | 5         | 4         | 2         | 3         | 3   | 3   | 32.7 |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 4         | 4         | 3         | 3         | 3         | 2   | 4   | 35.7 |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 2         | 3         | 2         | 3         | 4         | 3   | 3   | 34.0 |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 4         | 6         | 2         | 4         | 7         | 4   | 2   | 40.3 |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 5         | 4         | 5         | 3         | 4         | 4   | 4   | 39.0 |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 3         | 3         | 4         | 2         | 4         | 2   | 2   | 28.0 |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 3         | 2         | 2         | 3         | 2         | 2   | 1   | 25.3 |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 9         | 9         | 3         | 3         | 4         | 6   | 3   | 63.7 |

# University of Georgia

|                    |             |                   |                   |                   |                   |                   |                   |                    |                   |
|--------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|
| Weed Code          |             | plant 4<br>cotton | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton | Total #<br>closed |
| Crop Code          |             | #                 | #                 | #                 | #                 | #                 | #                 | #                  | #                 |
| Rating Data Type   |             | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls           | gr bolls          |
| Rating Unit        |             | lt row            | lt row            | lt row            | lt row            | lt row            | lt row            | lt row             | lt row            |
| Rating Date        |             | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05          | Oct-06-05         |
| Crop Stage         |             |                   |                   |                   |                   |                   |                   |                    |                   |
| Trt-Eval Interval  |             |                   |                   |                   |                   |                   |                   |                    |                   |
| ARM Action Codes   |             |                   |                   |                   |                   |                   |                   |                    | T40               |
| # Subsamples, Dec. |             |                   |                   |                   |                   |                   |                   |                    | 1                 |
| Trt Treatment      | Rate        |                   |                   |                   |                   |                   |                   |                    |                   |
| No. Name           | Rate Unit   | 184               | 185               | 186               | 187               | 188               | 189               | 190                | 191               |
| 12 Envoke          | 0.1 oz wt/a | 4                 | 3                 | 3                 | 3                 | 1                 | 3                 | 2                  | 31.0              |
| NIS                | 0.25 % v/v  |                   |                   |                   |                   |                   |                   |                    |                   |
| Pix                | 6 fl oz/a   |                   |                   |                   |                   |                   |                   |                    |                   |
| Pix                | 8 fl oz/a   |                   |                   |                   |                   |                   |                   |                    |                   |
| NIS                | 0.25 % v/v  |                   |                   |                   |                   |                   |                   |                    |                   |
| Pix                | 12 fl oz/a  |                   |                   |                   |                   |                   |                   |                    |                   |
| NIS                | 0.25 % v/v  |                   |                   |                   |                   |                   |                   |                    |                   |
| LSD (P=.05)        |             | 5.3               | 4.3               | 3.9               | 4.5               | 3.8               | 4.4               | 3.7                | 26.09             |
| Standard Deviation |             | 3.1               | 2.6               | 2.3               | 2.7               | 2.2               | 2.6               | 2.2                | 15.41             |
| CV                 |             | 73.16             | 53.66             | 73.29             | 80.54             | 61.34             | 72.85             | 68.48              | 39.53             |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 191: T40 = [181]+[182]+[183]+[184]+[185]+[186]+[187]+[188]+[189]+[190]

---

# University of Georgia

| Weed Code          | plant 1   | plant 2   | plant 3   | plant 4   | plant 5   | plant 6   | plant 7   | plant 8   |     |     |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |     |     |     |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |     |     |     |
| Rating Unit        | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  | gr bolls  |     |     |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |     |
| Crop Stage         | rt row  | rt row  | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |     |     |     |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |     |     |
| ARM Action Codes   |   |   |           |           |           |           |           |           |     |     |     |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 192       | 193       | 194       | 195       | 196       | 197 | 198 | 199 |
| 1                  | No Pix or Envoke  |   |           | 4         | 4         | 6         | 4         | 2         | 4   | 2   | 2   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 5         | 4         | 5         | 6         | 4         | 4   | 3   | 3   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 3         | 3         | 2         | 4         | 2         | 4   | 2   | 3   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 4         | 3         | 4         | 5         | 7         | 4   | 3   | 3   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 4         | 4         | 3         | 6         | 5         | 3   | 6   | 3   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 2         | 3         | 3         | 3         | 3         | 1   | 2   | 1   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 5         | 1         | 1         | 3         | 1         | 1   | 2   | 3   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 2         | 2         | 4         | 4         | 2         | 3   | 2   | 5   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 2         | 4         | 2         | 4         | 5         | 3   | 5   | 3   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 4         | 2         | 4         | 2         | 3         | 4   | 3   | 4   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 5         | 4         | 5         | 7         | 4         | 8   | 5   | 8   |

## University of Georgia

| Weed Code          | plant 1<br>cotton | plant 2<br>cotton | plant 3<br>cotton | plant 4<br>cotton | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Crop Code          | #                 | #                 | #                 | #                 | #                 | #                 | #                 | #                 |
| Rating Data Type   | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls          | gr bolls          |
| Rating Unit        | rt row            | rt row            | rt row            | rt row            | rt row            | rt row            | rt row            | rt row            |
| Rating Date        | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         |
| Crop Stage         |                   |                   |                   |                   |                   |                   |                   |                   |
| Trt-Eval Interval  |                   |                   |                   |                   |                   |                   |                   |                   |
| ARM Action Codes   |                   |                   |                   |                   |                   |                   |                   |                   |
| # Subsamples, Dec. |                   |                   |                   |                   |                   |                   |                   |                   |
| Trt No.            | 192               | 193               | 194               | 195               | 196               | 197               | 198               | 199               |
| Treatment Name     |                   |                   |                   |                   |                   |                   |                   |                   |
| Rate               |                   |                   |                   |                   |                   |                   |                   |                   |
| Unit               |                   |                   |                   |                   |                   |                   |                   |                   |
| 12 Envoke          | 5                 | 2                 | 6                 | 3                 | 3                 | 4                 | 7                 | 6                 |
| NIS                |                   |                   |                   |                   |                   |                   |                   |                   |
| Pix                |                   |                   |                   |                   |                   |                   |                   |                   |
| Pix                |                   |                   |                   |                   |                   |                   |                   |                   |
| NIS                |                   |                   |                   |                   |                   |                   |                   |                   |
| Pix                |                   |                   |                   |                   |                   |                   |                   |                   |
| NIS                |                   |                   |                   |                   |                   |                   |                   |                   |
| LSD (P=.05)        | 4.3               | 3.6               | 3.6               | 4.4               | 3.4               | 3.9               | 4.7               | 4.8               |
| Standard Deviation | 2.6               | 2.1               | 2.1               | 2.6               | 2.0               | 2.3               | 2.8               | 2.8               |
| CV                 | 67.37             | 70.75             | 57.04             | 62.53             | 59.36             | 65.12             | 81.0              | 76.74             |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | plant 9   | plant 10  | Total #   | Total #   | plant 1   | plant 2   | plant 3   | plant 4   |     |     |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| Crop Code          | cotton  | cotton  | closed    | closed    | cotton    | cotton    | cotton    | cotton    |     |     |     |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |     |     |     |
| Rating Unit        | gr bolls  | gr bolls  | gr bolls  | gr bolls  | opn boll  | opn boll  | opn boll  | opn boll  |     |     |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |     |
| Crop Stage         | rt row  | rt row  | rt row    | all       | lt row    | lt row    | lt row    | lt row    |     |     |     |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |     |     |
| ARM Action Codes   |   |   | T41       | T45       |           |           |           |           |     |     |     |
| # Subsamples, Dec. |   |   | 1         | 1         |           |           |           |           |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 200       | 201       | 202       | 203       | 204       | 205 | 206 | 207 |
| 1                  | No Pix or Envoke  |   |           | 7         | 4         | 39.0      | 92.3      | 8         | 6   | 7   | 6   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 3         | 2         | 39.3      | 86.0      | 6         | 7   | 6   | 6   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 3         | 4         | 29.3      | 67.3      | 5         | 5   | 5   | 4   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 7         | 6         | 45.7      | 78.3      | 7         | 5   | 4   | 6   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 3         | 5         | 42.0      | 77.7      | 6         | 5   | 6   | 6   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 3         | 4         | 24.0      | 58.0      | 5         | 5   | 3   | 5   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 2         | 4         | 23.0      | 63.3      | 5         | 6   | 5   | 6   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 2         | 2         | 27.7      | 66.7      | 5         | 5   | 5   | 6   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 4         | 3         | 35.0      | 63.0      | 4         | 6   | 8   | 7   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 6         | 2         | 35.0      | 60.3      | 5         | 2   | 5   | 4   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 5         | 6         | 56.0      | 119.7     | 5         | 5   | 6   | 5   |

## University of Georgia

|                    |                   |                    |                   |                   |                   |                   |                   |                   |       |
|--------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| Weed Code          | plant 9<br>cotton | plant 10<br>cotton | Total #<br>closed | Total #<br>closed | plant 1<br>cotton | plant 2<br>cotton | plant 3<br>cotton | plant 4<br>cotton |       |
| Crop Code          | #                 | #                  | #                 | #                 | #                 | #                 | #                 | #                 |       |
| Rating Data Type   | gr bolls          | gr bolls           | gr bolls          | gr bolls          | opn boll          | opn boll          | opn boll          | opn boll          |       |
| Rating Unit        | Oct-06-05         | Oct-06-05          | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         |       |
| Rating Date        | rt row            | rt row             | rt row            | all               | lt row            | lt row            | lt row            | lt row            |       |
| Crop Stage         |                   |                    |                   |                   |                   |                   |                   |                   |       |
| Trt-Eval Interval  |                   |                    |                   |                   |                   |                   |                   |                   |       |
| ARM Action Codes   |                   |                    | T41               | T45               |                   |                   |                   |                   |       |
| # Subsamples, Dec. |                   |                    | 1                 | 1                 |                   |                   |                   |                   |       |
| Trt Treatment      | Rate              |                    |                   |                   |                   |                   |                   |                   |       |
| No. Name           | Rate Unit         | 200                | 201               | 202               | 203               | 204               | 205               | 206               | 207   |
| 12 Envoke          | 0.1 oz wt/a       | 4                  | 4                 | 44.3              | 75.3              | 5                 | 6                 | 5                 | 3     |
| NIS                | 0.25 % v/v        |                    |                   |                   |                   |                   |                   |                   |       |
| Pix                | 6 fl oz/a         |                    |                   |                   |                   |                   |                   |                   |       |
| Pix                | 8 fl oz/a         |                    |                   |                   |                   |                   |                   |                   |       |
| NIS                | 0.25 % v/v        |                    |                   |                   |                   |                   |                   |                   |       |
| Pix                | 12 fl oz/a        |                    |                   |                   |                   |                   |                   |                   |       |
| NIS                | 0.25 % v/v        |                    |                   |                   |                   |                   |                   |                   |       |
| LSD (P=.05)        |                   | 5.5                | 3.9               | 26.19             | 43.76             | 2.8               | 3.2               | 3.6               | 3.3   |
| Standard Deviation |                   | 3.3                | 2.3               | 15.46             | 25.84             | 1.7               | 1.9               | 2.1               | 1.9   |
| CV                 |                   | 79.67              | 60.39             | 42.14             | 34.15             | 30.74             | 35.73             | 39.84             | 36.05 |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 202: T41 = [192]+[193]+[194]+[195]+[196]+[197]+[198]+[199]+[200]+[201]

Column 203: T45 = [191]+[202]

# University of Georgia

| Weed Code          | plant 5   | plant 6   | plant 7   | plant 8   | plant 9   | plant 10  | Total #   | plant 1   |     |      |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|------|-----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | open      | cotton    |     |      |     |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |     |      |     |
| Rating Unit        | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  |     |      |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |      |     |
| Crop Stage         | lt row  | lt row  | lt row    | lt row    | lt row    | lt row    | lt row    | rt row    |     |      |     |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |      |     |
| ARM Action Codes   |   |   |           |           |           |           | T42       |           |     |      |     |
| # Subsamples, Dec. |   |   |           |           |           |           | 1         |           |     |      |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 208       | 209       | 210       | 211       | 212       | 213 | 214  | 215 |
| 1                  | No Pix or Envoke  |   |           | 7         | 5         | 6         | 6         | 7         | 8   | 65.0 | 7   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 6         | 5         | 3         | 6         | 5         | 4   | 54.7 | 6   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 5         | 5         | 4         | 5         | 4         | 3   | 44.7 | 5   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 4         | 4         | 5         | 4         | 5         | 6   | 49.0 | 5   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 6         | 4         | 6         | 4         | 5         | 6   | 53.0 | 5   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 4         | 5         | 6         | 5         | 6         | 6   | 49.7 | 5   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 5         | 5         | 3         | 4         | 5         | 5   | 48.0 | 5   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 4         | 5         | 5         | 5         | 4         | 5   | 48.7 | 8   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 5         | 8         | 7         | 4         | 4         | 7   | 60.7 | 5   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 4         | 5         | 4         | 4         | 4         | 5   | 42.3 | 4   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 4         | 6         | 4         | 6         | 6         | 5   | 52.7 | 5   |

## University of Georgia

|                       |                   |                   |                   |                   |                   |                    |                 |                   |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|-------------------|
| Weed Code             | plant 5<br>cotton | plant 6<br>cotton | plant 7<br>cotton | plant 8<br>cotton | plant 9<br>cotton | plant 10<br>cotton | Total #<br>open | plant 1<br>cotton |
| Crop Code             | #                 | #                 | #                 | #                 | #                 | #                  | #               | #                 |
| Rating Data Type      | opn boll          | opn boll          | opn boll          | opn boll          | opn boll          | opn boll           | opn boll        | opn boll          |
| Rating Unit           | lt row            | lt row            | lt row            | lt row            | lt row            | lt row             | lt row          | rt row            |
| Rating Date           | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05         | Oct-06-05          | Oct-06-05       | Oct-06-05         |
| Crop Stage            |                   |                   |                   |                   |                   |                    |                 |                   |
| Trt-Eval Interval     |                   |                   |                   |                   |                   |                    |                 |                   |
| ARM Action Codes      |                   |                   |                   |                   |                   |                    | T42             |                   |
| # Subsamples, Dec.    |                   |                   |                   |                   |                   |                    | 1               |                   |
| Trt Treatment         |                   |                   |                   |                   |                   |                    |                 |                   |
| No. Name Rate Unit    | 208               | 209               | 210               | 211               | 212               | 213                | 214             | 215               |
| 12 Envoke 0.1 oz wt/a | 5                 | 5                 | 4                 | 5                 | 5                 | 6                  | 50.3            | 4                 |
| NIS 0.25 % v/v        |                   |                   |                   |                   |                   |                    |                 |                   |
| Pix 6 fl oz/a         |                   |                   |                   |                   |                   |                    |                 |                   |
| Pix 8 fl oz/a         |                   |                   |                   |                   |                   |                    |                 |                   |
| NIS 0.25 % v/v        |                   |                   |                   |                   |                   |                    |                 |                   |
| Pix 12 fl oz/a        |                   |                   |                   |                   |                   |                    |                 |                   |
| NIS 0.25 % v/v        |                   |                   |                   |                   |                   |                    |                 |                   |
| LSD (P=.05)           | 2.7               | 3.5               | 3.4               | 2.6               | 2.5               | 2.8                | 16.13           | 3.5               |
| Standard Deviation    | 1.6               | 2.1               | 2.0               | 1.6               | 1.5               | 1.7                | 9.53            | 2.0               |
| CV                    | 32.8              | 39.43             | 42.16             | 32.16             | 30.27             | 29.7               | 18.48           | 37.48             |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 214: T42 = [204]+[205]+[206]+[207]+[208]+[209]+[210]+[211]+[212]+[213]

---



# University of Georgia

| Weed Code          | plant 2   | plant 3   | plant 4   | plant 5   | plant 6   | plant 7   | plant 8   | plant 9   |     |     |     |
|--------------------|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| Crop Code          | cotton  | cotton  | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |     |     |     |
| Rating Data Type   | #   | #   | #         | #         | #         | #         | #         | #         |     |     |     |
| Rating Unit        | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  |     |     |     |
| Rating Date        | Oct-06-05   | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |     |     |     |
| Crop Stage         | rt row  | rt row  | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |     |     |     |
| Trt-Eval Interval  |   |   |           |           |           |           |           |           |     |     |     |
| ARM Action Codes   |   |   |           |           |           |           |           |           |     |     |     |
| # Subsamples, Dec. |   |   |           |           |           |           |           |           |     |     |     |
| Trt No.            | Treatment Name  | Rate  | Unit      | 216       | 217       | 218       | 219       | 220       | 221 | 222 | 223 |
| 1                  | No Pix or Envoke  |   |           | 5         | 6         | 5         | 7         | 6         | 7   | 6   | 3   |
| 2                  | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 5         | 5         | 6         | 5         | 5         | 6   | 5   | 4   |
| 3                  | Pix<br>NIS  | 8 fl oz/a<br>0.25 % v/v   |           | 4         | 6         | 5         | 4         | 5         | 4   | 4   | 5   |
| 4                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v  |           | 7         | 4         | 4         | 5         | 5         | 4   | 5   | 4   |
| 5                  | Pix<br>NIS  | 16 fl oz/a<br>0.25 % v/v  |           | 7         | 3         | 3         | 4         | 5         | 3   | 3   | 5   |
| 6                  | Envoke<br>NIS<br>Pix<br>NIS                             | 0.1 oz wt/a<br>0.25 % v/v<br>16 fl oz/a<br>0.25 % v/v   |           | 5         | 5         | 4         | 4         | 6         | 4   | 5   | 6   |
| 7                  | Pix<br>NIS<br>Pix<br>NIS                                | 8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v   |           | 3         | 5         | 4         | 3         | 4         | 5   | 5   | 6   |
| 8                  | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS               | 0.1 oz wt/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                            |           | 5         | 5         | 4         | 5         | 6         | 5   | 5   | 5   |
| 9                  | Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS                  | 6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v                              |           | 4         | 6         | 4         | 7         | 5         | 4   | 5   | 5   |
| 10                 | Envoke<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS<br>Pix<br>NIS | 0.1 oz wt/a<br>0.25 % v/v<br>6 fl oz/a<br>0.25 % v/v<br>8 fl oz/a<br>0.25 % v/v<br>12 fl oz/a<br>0.25 % v/v |           | 5         | 6         | 3         | 5         | 5         | 4   | 5   | 3   |
| 11                 | Envoke<br>NIS   | 0.1 oz wt/a<br>0.25 % v/v   |           | 7         | 7         | 4         | 5         | 8         | 5   | 5   | 6   |

## University of Georgia

| Weed Code          | plant 2        | plant 3   | plant 4   | plant 5   | plant 6   | plant 7   | plant 8   | plant 9   |       |      |       |
|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|------|-------|
| Crop Code          | cotton         | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    | cotton    |       |      |       |
| Rating Data Type   | #              | #         | #         | #         | #         | #         | #         | #         |       |      |       |
| Rating Unit        | opn boll       | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  | opn boll  |       |      |       |
| Rating Date        | Oct-06-05      | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 | Oct-06-05 |       |      |       |
| Crop Stage         | rt row         | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    | rt row    |       |      |       |
| Trt-Eval Interval  |                |           |           |           |           |           |           |           |       |      |       |
| ARM Action Codes   |                |           |           |           |           |           |           |           |       |      |       |
| # Subsamples, Dec. |                |           |           |           |           |           |           |           |       |      |       |
| Trt No.            | Treatment Name | Rate      | Unit      | 216       | 217       | 218       | 219       | 220       | 221   | 222  | 223   |
| 12                 | Envoke         | 0.1       | oz wt/a   | 7         | 5         | 5         | 4         | 5         | 4     | 5    | 6     |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |      |       |
|                    | Pix            | 6         | fl oz/a   |           |           |           |           |           |       |      |       |
|                    | Pix            | 8         | fl oz/a   |           |           |           |           |           |       |      |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |      |       |
|                    | Pix            | 12        | fl oz/a   |           |           |           |           |           |       |      |       |
|                    | NIS            | 0.25      | % v/v     |           |           |           |           |           |       |      |       |
| LSD (P=.05)        |                |           |           | 2.8       | 3.3       | 2.8       | 3.0       | 3.0       | 2.6   | 2.9  | 2.7   |
| Standard Deviation |                |           |           | 1.7       | 1.9       | 1.6       | 1.8       | 1.8       | 1.5   | 1.7  | 1.6   |
| CV                 |                |           |           | 31.37     | 37.71     | 38.29     | 36.81     | 34.18     | 33.16 | 35.4 | 33.67 |

Means followed by same letter do not significantly differ (P=.05, LSD)

---

# University of Georgia

| Weed Code          | plant 10    | Total #   | Total #   | PERCENT   |       |      |
|--------------------|-------------|-----------|-----------|-----------|-------|------|
| Crop Code          | cotton      | open      | open      | OPEN      |       |      |
| Rating Data Type   | #           | #         | #         | %         |       |      |
| Rating Unit        | opn boll    | opn boll  | opn boll  | openboll  |       |      |
| Rating Date        | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 |       |      |
| Crop Stage         | rt row      | rt row    | ALL       | ALL       |       |      |
| Trt-Eval Interval  |             |           |           |           |       |      |
| ARM Action Codes   |             | T43       | T44       | T46       |       |      |
| # Subsamples, Dec. |             | 1         | 1         | 1         |       |      |
| Trt Treatment      |             |           |           |           |       |      |
| No. Name           | Rate        | Unit      | 224       | 225       | 226   | 227  |
| 1 No Pix or Envoke |             |           | 4         | 56.0      | 121.0 | 57.4 |
| 2 Envoke           | 0.1 oz wt/a |           | 5         | 51.3      | 106.0 | 55.2 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 3 Pix              | 8 fl oz/a   |           | 4         | 46.3      | 91.0  | 57.8 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 4 Envoke           | 0.1 oz wt/a |           | 5         | 47.3      | 96.3  | 55.3 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 8 fl oz/a   |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 5 Pix              | 16 fl oz/a  |           | 3         | 40.3      | 93.3  | 56.0 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 6 Envoke           | 0.1 oz wt/a |           | 6         | 50.3      | 100.0 | 63.3 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 16 fl oz/a  |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 7 Pix              | 8 fl oz/a   |           | 3         | 42.7      | 90.7  | 58.9 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 12 fl oz/a  |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 8 Envoke           | 0.1 oz wt/a |           | 6         | 53.0      | 101.7 | 61.1 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 8 fl oz/a   |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 12 fl oz/a  |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 9 Pix              | 6 fl oz/a   |           | 5         | 49.7      | 110.3 | 64.6 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 8 fl oz/a   |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 12 fl oz/a  |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 10 Envoke          | 0.1 oz wt/a |           | 6         | 46.7      | 89.0  | 61.4 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 6 fl oz/a   |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 8 fl oz/a   |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| Pix                | 12 fl oz/a  |           |           |           |       |      |
| NIS                | 0.25 % v/v  |           |           |           |       |      |
| 11 Envoke          | 0.1 oz wt/a |           | 6         | 58.7      | 111.3 | 48.8 |
| NIS                | 0.25 % v/v  |           |           |           |       |      |

# University of Georgia

|                    |             |           |           |           |
|--------------------|-------------|-----------|-----------|-----------|
| Weed Code          | plant 10    | Total #   | Total #   | PERCENT   |
| Crop Code          | cotton      | open      | open      | OPEN      |
| Rating Data Type   | #           | #         | #         | %         |
| Rating Unit        | opn boll    | opn boll  | opn boll  | openboll  |
| Rating Date        | Oct-06-05   | Oct-06-05 | Oct-06-05 | Oct-06-05 |
| Crop Stage         | rt row      | rt row    | ALL       | ALL       |
| Trt-Eval Interval  |             |           |           |           |
| ARM Action Codes   |             | T43       | T44       | T46       |
| # Subsamples, Dec. |             | 1         | 1         | 1         |
| Trt Treatment      | Rate        |           |           |           |
| No. Name           | Rate Unit   | 224       | 225       | 226       |
| 12 Envoke          | 0.1 oz wt/a | 5         | 50.3      | 100.7     |
| NIS                | 0.25 % v/v  |           |           | 57.8      |
| Pix                | 6 fl oz/a   |           |           |           |
| Pix                | 8 fl oz/a   |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |
| Pix                | 12 fl oz/a  |           |           |           |
| NIS                | 0.25 % v/v  |           |           |           |
| LSD (P=.05)        |             | 2.8       | 12.98     | 19.49     |
| Standard Deviation |             | 1.6       | 7.66      | 11.51     |
| CV                 |             | 34.3      | 15.52     | 11.4      |
|                    |             |           |           | 17.22     |
|                    |             |           |           | 10.17     |
|                    |             |           |           | 17.49     |

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 225: T43 = [215]+[216]+[217]+[218]+[219]+[220]+[221]+[222]+[223]+[224]

Column 226: T44 = [214]+[225]

Column 227: T46 = (([226]/([203]+[226]))\*100

---

# University of Georgia

Cotton response to Envoke or Pix as PGRs.

Trial ID: C49-05 Study Dir.: Culpepper  
 Location: Attapulgus Investigator: Stanley Culpepper

**GENERAL TRIAL INFORMATION**

**Study Director:** Stanley Culpepper **Title:** Ext. Weed Science  
**Affiliation:** University of Georgia  
**Postal Code:** 31794  
**Investigator:** Stanley Culpepper **Title:** Ext. Weed Science  
**Affiliation:** University of Georgia  
**Postal Code:** 31794

**TRIAL LOCATION**

**City:** Attapulgus **Trial Status:** completed  
**State/Prov.:** GA **Trial Reliability:** good  
**Postal Code:** 31794 **Initiation Date:** Jun-07-05  
**Country:** USA **Planned Completion Date:** \_\_\_\_\_  
**E-Longitude of LL Corner °:** \_\_\_\_\_ **N-Latitude of LL Corner °:** \_\_\_\_\_  
**Altitude of LL Corner:** \_\_\_\_\_ **Unit:** \_\_\_\_\_ **Angle y-axis to North °:** \_\_\_\_\_  
**Directions:**

**COOPERATOR/LANDOWNER**

**Cooperator:** \_\_\_\_\_ **Country:** \_\_\_\_\_  
**Org:** \_\_\_\_\_ **Phone No:** \_\_\_\_\_  
**Address 1:** \_\_\_\_\_ **Fax No:** \_\_\_\_\_  
**Address 2:** \_\_\_\_\_  
**City:** \_\_\_\_\_  
**State/Prov:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_

**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N  
**Guidelines:** \_\_\_\_\_ **Guideline Description:** \_\_\_\_\_

**Objective:**

**Conclusions:**

**CROP AND WEED DESCRIPTION**

| Weed | Code | Common Name | Scientific Name |
|------|------|-------------|-----------------|
| 1.   |      |             |                 |

**Crop 1:** GOSHI cotton **Variety:** DP 555 B/RR  
**Planting Date:** Jun-07-05 **Planting Method:** seeded  
**Rate:** 3 per ft **Depth:** 0.5 in **Perennial Age:** \_\_\_\_\_  
**Row Spacing:** 36 inch **Spacing Within Row:** 4 inch **Seed Bed:** flat  
**Soil Temperature:** 84 F **Soil Moisture:** irrigated **Emergence Date:** Jun-10-05

**SITE AND DESIGN**

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4  
**Site Type:** Research station  
**Tillage Type:** conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

**Trial Initiation Comments:**

|    | Previous Crops | Previous Pesticides | Year |
|----|----------------|---------------------|------|
| 1. |                |                     |      |

**MAINTENANCE**

**Field Prep./Maintenance:**

# University of Georgia

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

### SOIL DESCRIPTION

% Sand: 84      % OM: 1.3      Texture: loamy sand  
 % Silt: 8      pH: 5.9      Soil Name: \_\_\_\_\_  
 % Clay: 8      CEC: \_\_\_\_\_      Fert. Level: \_\_\_\_\_

### ADDITIONAL MEASURED ELEMENTS

| Element | Quantity | Unit |
|---------|----------|------|
|         |          |      |

### MOISTURE CONDITIONS

| No. | Date | Time | Amount | Unit | Type | Interval | Unit |
|-----|------|------|--------|------|------|----------|------|
| 1.  |      |      |        |      |      |          |      |

Overall Moisture Conditions: \_\_\_\_\_

Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_\_ Unit: \_\_\_\_\_

### APPLICATION DESCRIPTION

|                      | A         | B         | C         | D         |
|----------------------|-----------|-----------|-----------|-----------|
| Application Date:    | Jul-07-05 | Jul-12-05 | Jul-18-05 | Jul-28-05 |
| Time of Day:         | 12 pm     | 1 pm      | 11 am     | 2 pm      |
| Application Method:  | broadcast | broadcast | broadcast | broadcast |
| Application Timing:  | POST 1    | POST 2    | POST 3    | POST 4    |
| Applic. Placement:   | overtop   | overtop   | overtop   | overtop   |
| Air Temp., Unit:     | 86 F      | 87 F      | 84 F      | 94 F      |
| % Relative Humidity: | 54        | 55        | 64        | 45        |
| Wind Velocity, Unit: | 3 mph     | 3 mph     | 3 mph     | 0 mph     |
| Dew Presence (Y/N):  | n         | n         | n         | n         |
| Water Hardness:      |           |           |           |           |
| Soil Temp., Unit:    | 89 F      | 90 F      | 84 F      | 92 F      |
| Soil Moisture:       | wet       | wet       | wet       | fair      |
| % Cloud Cover:       | 0         | 0         | 0         | 0         |

### CROP STAGE AT EACH APPLICATION

|                     | A            | B            | C            | D            |
|---------------------|--------------|--------------|--------------|--------------|
| Crop 1 Code, Stage: | GOSHI POST 1 | GOSHI POST 2 | GOSHI POST 3 | GOSHI POST 4 |
| Stage Scale:        | 7-8 lf       | 10-11 lf     | 13-14 lf     | 15-16 lf     |
| Height, Unit:       | 11 inch      | 15 inch      | 21 inch      | 23 inch      |

### WEED STAGE AT EACH APPLICATION

|                     | A | B | C | D |
|---------------------|---|---|---|---|
| Weed 1 Code, Stage: |   |   |   |   |
| Stage Scale:        |   |   |   |   |
| Density, Unit:      |   |   |   |   |

# University of Georgia

## APPLICATION EQUIPMENT

|                              | A        | B        | C        | D        |
|------------------------------|----------|----------|----------|----------|
| <b>Appl. Equipment:</b>      | backpack | backpack | backpack | backpack |
| <b>Operating Pressure:</b>   | 23       | 23       | 23       | 23       |
| <b>Nozzle Type:</b>          | flat fan | flat fan | flat fan | flat fan |
| <b>Nozzle Size:</b>          | 11002    | 11002    | 11002    | 11002    |
| <b>Nozzle Spacing, Unit:</b> | 18 inch  | 18 inch  | 18 inch  | 18 inch  |
| <b>Nozzles/Row:</b>          |          |          |          |          |
| <b>Band Width, Unit:</b>     |          |          |          |          |
| <b>Boom Length, Unit:</b>    | 4.5 feet | 4.5 feet | 4.5 feet | 4.5 feet |
| <b>Boom Height, Unit:</b>    | 15 inch  | 15 inch  | 15 inch  | 15 inch  |
| <b>Ground Speed, Unit:</b>   | 3 mph    | 3 mph    | 3 mph    | 3 mph    |
| <b>Incorporation Equip.:</b> |          |          |          |          |
| <b>Hours to Incorp.:</b>     |          |          |          |          |
| <b>Incorp. Depth, Unit:</b>  |          |          |          |          |
| <b>Carrier:</b>              | water    | water    | water    | water    |
| <b>Spray Volume, Unit:</b>   | 14.8 GPA | 14.8 GPA | 14.8 GPA | 14.8 GPA |
| <b>Spray pH:</b>             |          |          |          |          |
| <b>Propellant:</b>           | CO2      | CO2      | CO2      | CO2      |
| <b>Tank Mix (Y/N):</b>       | Y        | Y        | Y        | Y        |

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