

# LSU Northeast Research Station

Sales Support: Evaluation of Sequence vs. competitive products.

Trial ID: Study Dir.: Eric Palmer  
 Location: Louisiana Investigator: Donnie Miller

## SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: \_\_\_\_\_

Tillage Type: \_\_\_\_\_ Study Design: RANDOMIZED COMPLETE BLOCK

### Trial Initiation Comments:

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

### APPLICATION DESCRIPTION

|                      | A          | B           | C           |
|----------------------|------------|-------------|-------------|
| Application Date:    | 1/Jun/2006 | 14/Jun/2006 | 17/Jul/2006 |
| Time of Day:         | 10:50 AM   | 3:45 PM     | 2:10 PM     |
| Application Method:  | SPRAY      | SPRAY       | SPRAY       |
| Application Timing:  | EAPOCR     | LAPOCR      | LAPOWE      |
| Applic. Placement:   | BROFOL     | BROFOL      | BROFOL      |
| Air Temp., Unit:     | 83 F       | 89 F        | 97 F        |
| % Relative Humidity: | 75         | 44          | 50          |
| Wind Velocity, Unit: | 1.9 MPH    | 2.7 MPH     | 2.6 MPH     |
| Dew Presence (Y/N):  | N          | N           | N           |
| Water Hardness:      |            |             |             |
| Soil Temp., Unit:    | 81 F       | 97 F        | 94 F        |
| Soil Moisture:       | MOIST      | DRY         | DRY         |
| % Cloud Cover:       | 90         | 0           | 55          |

### CROP STAGE AT EACH APPLICATION

|                     | A               | B              | C        |
|---------------------|-----------------|----------------|----------|
| Crop 1 Code, Stage: | GLXMA 3-4TRIFOL | GLXMA 7 TRIFOL | GLXMA R6 |
| Stage Scale:        |                 |                |          |
| Height, Unit:       |                 |                |          |

### WEED STAGE AT EACH APPLICATION

|                     | A          | B          | C           |
|---------------------|------------|------------|-------------|
| Weed 1 Code, Stage: | IPOLA 2-4" | IPOLA 4-6" | IPOLA 8-10" |
| Stage Scale:        |            |            |             |
| Density, Unit:      |            |            |             |
| Weed 2 Code, Stage: | IPOHG 2-4" | IPOHG 4-6" | IPOHG 8-10" |
| Stage Scale:        |            |            |             |
| Density, Unit:      |            |            |             |
| Weed 3 Code, Stage: | SEBEX 2-4" | SEBEX 4-6" | SEBEX 8-10" |
| Stage Scale:        |            |            |             |
| Density, Unit:      |            |            |             |
| Weed 4 Code, Stage: | CASOB 2-4" | CASOB 4-6" | CASOB 8-10" |
| Stage Scale:        |            |            |             |
| Density, Unit:      |            |            |             |
| Weed 5 Code, Stage: | SORHA 2-4" | SORHA 4-6" | SORHA 8-10" |
| Stage Scale:        |            |            |             |
| Density, Unit:      |            |            |             |
| Weed 6 Code, Stage: | ECHCG 2-4" | ECHCG 4-6" | ECHCG 8-10" |
| Stage Scale:        |            |            |             |
| Density, Unit:      |            |            |             |

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## APPLICATION EQUIPMENT

|                              | A          | B          | C          |
|------------------------------|------------|------------|------------|
| <b>Appl. Equipment:</b>      | CO2 BCPCCK | CO2 BCPCCK | CO2 BCPCCK |
| <b>Operating Pressure:</b>   | 35 PSI     | 35 PSI     | 35 psi     |
| <b>Nozzle Type:</b>          | A1         | A1         | A1         |
| <b>Nozzle Size:</b>          | 11002      | 11002      | 11002      |
| <b>Nozzle Spacing, Unit:</b> | 20 IN      | 20 IN      | 20 IN      |
| <b>Nozzles/Row:</b>          | 2          | 2          | 2          |
| <b>Band Width, Unit:</b>     |            |            |            |
| <b>Boom Length, Unit:</b>    |            |            |            |
| <b>Boom Height, Unit:</b>    |            |            |            |
| <b>Ground Speed, Unit:</b>   | 3.2 MPH    | 3.2 MPH    | 3.2 MPH    |
| <b>Incorporation Equip.:</b> |            |            |            |
| <b>Hours to Incorp.:</b>     |            |            |            |
| <b>Incorp. Depth, Unit:</b>  |            |            |            |
| <b>Carrier:</b>              | WATER      | WATER      | WATER      |
| <b>Spray Volume, Unit:</b>   | 15 GPA     | 15 GPA     | 15 GPA     |
| <b>Spray pH:</b>             |            |            |            |
| <b>Propellant:</b>           |            |            |            |
| <b>Tank Mix (Y/N):</b>       |            |            |            |

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Sales Support: Evaluation of Sequence vs. competitive products.

|                    |                      |                             |            |            |            |            |            |            |            |            |        |
|--------------------|----------------------|-----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|
| Trial ID:          |                      | Study Dir.: Eric Palmer     |            |            |            |            |            |            |            |            |        |
| Location:          |                      | Investigator: Donnie Miller |            |            |            |            |            |            |            |            |        |
| Weed Code          |                      | SORHA                       | ECHCG      | CASOB      | SEBEX      | IPOHG      | IPOLA      | AMARE      |            |            |        |
| Crop Code          |                      | GLXMA                       | GLXMA      | GLXMA      | GLXMA      | GLXMA      | GLXMA      | GLXMA      | GLXMA      | GLXMA      |        |
| Rating Data Type   |                      | CONTROL                     | CONTROL    | CONTROL    | CONTROL    | CONTROL    | CONTROL    | CONTROL    | CONTROL    | INJURY     |        |
| Rating Unit        |                      | %                           | %          | %          | %          | %          | %          | %          | %          | %          |        |
| Rating Date        |                      | 8/Jun/2006                  | 8/Jun/2006 | 8/Jun/2006 | 8/Jun/2006 | 8/Jun/2006 | 8/Jun/2006 | 8/Jun/2006 | 8/Jun/2006 | 8/Jun/2006 |        |
| Trt-Eval Interval  |                      | 7 DAT-A                     | 7 DAT-A    | 7 DAT-A    | 7 DAT-A    | 7 DAT-A    | 7 DAT-A    | 7 DAT-A    | 7 DAT-A    | 7 DAT-A    |        |
| ARM Action Codes   |                      |                             |            |            |            |            |            |            |            |            |        |
| # Subsamples, Dec. |                      |                             |            |            |            |            |            |            |            |            |        |
| Trt No.            | Treatment Name       | Rate Unit                   | Appl Code  | 1          | 2          | 3          | 4          | 5          | 6          | 7          | 8      |
| 1                  | CHECK UNTREATED      |                             |            | 0.00 b     | 0.00 c     | 0.00 b     | 0.00 b     | 0.00 c     | 0.00 c     | 0.00 b     | 0.00 c |
| 2                  | SEQUENCE             |                             | A          | 86.25 a    | 78.75 ab   | 92.50 a    | 95.00 a    | 75.00 ab   | 75.00 ab   | 95.00 a    | 5.00 b |
|                    | TOUCHDOWN TOTAL      |                             | C          |            |            |            |            |            |            |            |        |
| 3                  | TOUCHDOWN TOTAL      |                             | A          | 86.25 a    | 83.75 a    | 95.00 a    | 95.00 a    | 82.50 a    | 82.50 a    | 95.00 a    | 5.00 b |
|                    | OUTLOOK              |                             | A          |            |            |            |            |            |            |            |        |
|                    | TOUCHDOWN TOTAL      |                             | C          |            |            |            |            |            |            |            |        |
| 4                  | TOUCHDOWN TOTAL      |                             | A          | 86.25 a    | 82.50 a    | 95.00 a    | 95.00 a    | 78.75 ab   | 80.00 ab   | 95.00 a    | 0.00 c |
|                    | TOUCHDOWN TOTAL      |                             | B          |            |            |            |            |            |            |            |        |
| 5                  | ROUNDUP ORIGINAL MAX |                             | A          | 77.50 a    | 72.50 b    | 93.75 a    | 95.00 a    | 67.50 b    | 67.50 b    | 93.75 a    | 7.50 a |
|                    | ME-TOO-LACHLOR       |                             | A          |            |            |            |            |            |            |            |        |
|                    | ROUNDUP ORIGINAL MAX |                             | C          |            |            |            |            |            |            |            |        |
| LSD (P=.05)        |                      |                             |            | 10.020     | 7.206      | 3.978      | 0.000      | 13.528     | 14.413     | 1.723      | 1.989  |
| Standard Deviation |                      |                             |            | 6.503      | 4.677      | 2.582      | 0.000      | 8.780      | 9.354      | 1.118      | 1.291  |
| CV                 |                      |                             |            | 9.67       | 7.37       | 3.43       | 0.0        | 14.45      | 15.33      | 1.48       | 36.89  |
| Grand Mean         |                      |                             |            | 67.25      | 63.5       | 75.25      | 76.0       | 60.75      | 61.0       | 75.75      | 3.5    |
| Bartlett's X2      |                      |                             |            | 15.302     | 3.703      | 1.296      | 0.0        | 1.855      | 1.896      | 0.0        | 0.0    |
| P(Bartlett's X2)   |                      |                             |            | 0.002*     | 0.295      | 0.255      | .          | 0.603      | 0.594      | .          | .      |
| Replicate F        |                      |                             |            | 1.764      | 2.667      | 0.688      | 0.000      | 0.405      | 0.381      | 1.000      | 1.000  |
| Replicate Prob(F)  |                      |                             |            | 0.2075     | 0.0951     | 0.5768     | 1.0000     | 0.7519     | 0.7686     | 0.4262     | 0.4262 |
| Treatment F        |                      |                             |            | 135.030    | 233.914    | 1062.375   | 0.000      | 61.443     | 54.657     | 5739.001   | 27.000 |
| Treatment Prob(F)  |                      |                             |            | 0.0001     | 0.0001     | 0.0001     | 1.0000     | 0.0001     | 0.0001     | 0.0001     | 0.0001 |

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

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

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| Weed Code              | SORHA       | ECHCG       | CASOB       | SEBEX       | IPOHG       | IPOLA       | AMARE       |    |        |   |        |   |        |   |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|--------|---|--------|---|--------|---|
| Crop Code              | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       |    |        |   |        |   |        |   |
| Rating Data Type       | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     |    |        |   |        |   |        |   |
| Rating Unit            | %           | %           | %           | %           | %           | %           | %           |    |        |   |        |   |        |   |
| Rating Date            | 15/Jun/2006 | 15/Jun/2006 | 15/Jun/2006 | 15/Jun/2006 | 15/Jun/2006 | 15/Jun/2006 | 15/Jun/2006 |    |        |   |        |   |        |   |
| Trt-Eval Interval      | 14 DAT-A    | 14 DAT-A    | 14 DAT-A    | 14 DAT-A    | 14 DAT-A    | 14 DAT-A    | 14 DAT-A    |    |        |   |        |   |        |   |
| ARM Action Codes       |             |             |             |             |             |             |             |    |        |   |        |   |        |   |
| # Subsamples, Dec.     |             |             |             |             |             |             |             |    |        |   |        |   |        |   |
| Trt Treatment          | Rate        | Appl        |             |             |             |             |             |    |        |   |        |   |        |   |
| No. Name               | Unit        | Code        | 9           | 10          | 11          | 12          | 13          | 14 | 15     |   |        |   |        |   |
| 1 CHECK UNTREATED      | 0.00        | c           | 0.00        | d           | 0.00        | b           | 0.00        | b  | 0.00   | c | 0.00   | b |        |   |
| 2 SEQUENCE             | 92.50       | a           | 83.75       | b           | 95.00       | a           | 95.00       | a  | 77.50  | a | 77.50  | a | 95.00  | a |
| TOUCHDOWN TOTAL        |             | C           |             |             |             |             |             |    |        |   |        |   |        |   |
| 3 TOUCHDOWN TOTAL      | 91.25       | a           | 88.75       | a           | 95.00       | a           | 95.00       | a  | 81.25  | a | 81.25  | a | 95.00  | a |
| OUTLOOK                |             | A           |             |             |             |             |             |    |        |   |        |   |        |   |
| TOUCHDOWN TOTAL        |             | C           |             |             |             |             |             |    |        |   |        |   |        |   |
| 4 TOUCHDOWN TOTAL      | 88.75       | ab          | 87.50       | ab          | 95.00       | a           | 95.00       | a  | 77.50  | a | 77.50  | a | 95.00  | a |
| TOUCHDOWN TOTAL        |             | B           |             |             |             |             |             |    |        |   |        |   |        |   |
| 5 ROUNDUP ORIGINAL MAX | 85.00       | b           | 77.50       | c           | 95.00       | a           | 95.00       | a  | 66.25  | b | 66.25  | b | 95.00  | a |
| ME-TOO-LACHLOR         |             | A           |             |             |             |             |             |    |        |   |        |   |        |   |
| ROUNDUP ORIGINAL MAX   |             | C           |             |             |             |             |             |    |        |   |        |   |        |   |
| LSD (P=.05)            | 5.757       |             | 4.040       |             | 0.000       |             | 0.000       |    | 11.186 |   | 11.186 |   | 0.000  |   |
| Standard Deviation     | 3.736       |             | 2.622       |             | 0.000       |             | 0.000       |    | 7.260  |   | 7.260  |   | 0.000  |   |
| CV                     | 5.23        |             | 3.88        |             | 0.0         |             | 0.0         |    | 12.0   |   | 12.0   |   | 0.0    |   |
| Grand Mean             | 71.5        |             | 67.5        |             | 76.0        |             | 76.0        |    | 60.5   |   | 60.5   |   | 76.0   |   |
| Bartlett's X2          | 1.804       |             | 0.114       |             | 0.0         |             | 0.0         |    | 2.752  |   | 2.752  |   | 0.0    |   |
| P(Bartlett's X2)       | 0.614       |             | 0.99        |             | .           |             | .           |    | 0.431  |   | 0.431  |   | .      |   |
| Replicate F            | 2.269       |             | 0.242       |             | 0.000       |             | 0.000       |    | 0.664  |   | 0.664  |   | 0.000  |   |
| Replicate Prob(F)      | 0.1328      |             | 0.8651      |             | 1.0000      |             | 1.0000      |    | 0.5900 |   | 0.5900 |   | 1.0000 |   |
| Treatment F            | 460.164     |             | 839.546     |             | 0.000       |             | 0.000       |    | 89.206 |   | 89.206 |   | 0.000  |   |
| Treatment Prob(F)      | 0.0001      |             | 0.0001      |             | 1.0000      |             | 1.0000      |    | 0.0001 |   | 0.0001 |   | 1.0000 |   |

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

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| Weed Code              |             |             |             | SORHA       | ECHCG       | CASOB       | SEBEX       | IPOHG       |    |          |   |          |    |        |   |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|----------|---|----------|----|--------|---|
| Crop Code              | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       |    |          |   |          |    |        |   |
| Rating Data Type       | INJURY      | INJURY      | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     |    |          |   |          |    |        |   |
| Rating Unit            | %           | %           | %           | %           | %           | %           | %           | %           |    |          |   |          |    |        |   |
| Rating Date            | 15/Jun/2006 | 27/Jun/2006 | 29/Jun/2006 | 29/Jun/2006 | 29/Jun/2006 | 29/Jun/2006 | 29/Jun/2006 | 29/Jun/2006 |    |          |   |          |    |        |   |
| Trt-Eval Interval      | 14 DAT-A    | 13 DAT-B    | 15 DAT-B    | 15 DAT-B    | 15 DAT-B    | 15 DAT-B    | 15 DAT-B    | 15 DAT-B    |    |          |   |          |    |        |   |
| ARM Action Codes       |             |             | 28 DAT-A    | 28 DAT-A    | 28 DAT-A    | 28 DAT-A    | 28 DAT-A    | 28 DAT-A    |    |          |   |          |    |        |   |
| # Subsamples, Dec.     |             |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| Trt Treatment          | Rate        | Appl        |             |             |             |             |             |             |    |          |   |          |    |        |   |
| No. Name               | Unit        | Code        | 16          | 17          | 18          | 19          | 20          | 21          | 22 |          |   |          |    |        |   |
| 1 CHECK UNTREATED      | 0.00        | b           |             | 0.00        | b           | 0.00        | d           | 0.00        | b  | 0.00     | c |          |    |        |   |
| 2 SEQUENCE             | A           |             | 6.25        | a           |             | 95.00       | a           | 87.50       | b  | 95.00    | a | 80.00    | ab |        |   |
| TOUCHDOWN TOTAL        | C           |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| 3 TOUCHDOWN TOTAL      | A           |             | 5.00        | a           |             | 95.00       | a           | 93.75       | ab | 95.00    | a | 95.00    | a  | 87.50  | a |
| OUTLOOK                | A           |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| TOUCHDOWN TOTAL        | C           |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| 4 TOUCHDOWN TOTAL      | A           |             | 0.00        | b           | 0.00        | 95.00       | a           | 95.00       | a  | 95.00    | a | 95.00    | a  | 82.50  | a |
| TOUCHDOWN TOTAL        | B           |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| 5 ROUNDUP ORIGINAL MAX | A           |             | 6.25        | a           |             | 92.50       | a           | 80.00       | c  | 93.75    | a | 93.75    | a  | 68.75  | b |
| ME-TOO-LACHLOR         | A           |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| ROUNDUP ORIGINAL MAX   | C           |             |             |             |             |             |             |             |    |          |   |          |    |        |   |
| LSD (P=.05)            | 4.278       | .           |             |             | 3.445       | 7.172       |             | 1.723       |    | 1.723    |   | 1.723    |    | 12.776 |   |
| Standard Deviation     | 2.776       | .           |             |             | 2.236       | 4.655       |             | 1.118       |    | 1.118    |   | 1.118    |    | 8.292  |   |
| CV                     | 79.33       | .           |             |             | 2.96        | 6.53        |             | 1.48        |    | 1.48     |   | 1.48     |    | 13.01  |   |
| Grand Mean             | 3.5         | 0.0         |             |             | 75.5        | 71.25       |             | 75.75       |    | 75.75    |   | 75.75    |    | 63.75  |   |
| Bartlett's X2          | 1.137       | .           |             |             | 0.0         | 2.782       |             | 0.0         |    | 0.0      |   | 0.0      |    | 2.226  |   |
| P(Bartlett's X2)       | 0.566       | .           |             |             | .           | 0.249       |             | .           |    | .        |   | .        |    | 0.527  |   |
| Replicate F            | 1.946       |             |             |             | 1.000       | 0.519       |             | 1.000       |    | 1.000    |   | 1.000    |    | 1.424  |   |
| Replicate Prob(F)      | 0.1761      |             |             |             | 0.4262      | 0.6770      |             | 0.4262      |    | 0.4262   |   | 0.4262   |    | 0.2841 |   |
| Treatment F            | 5.432       |             |             |             | 1426.000    | 299.423     |             | 5739.001    |    | 5739.001 |   | 5739.001 |    | 76.636 |   |
| Treatment Prob(F)      | 0.0099      |             |             |             | 0.0001      | 0.0001      |             | 0.0001      |    | 0.0001   |   | 0.0001   |    | 0.0001 |   |

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| Weed Code              |           | IPOLA       | AMARE       | SORHA       | ECHCG       | CASOB       | SEBEX       | IPOHG       |
|------------------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Crop Code              |           | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       |
| Rating Data Type       |           | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     |
| Rating Unit            |           | %           | %           | %           | %           | %           | %           | %           |
| Rating Date            |           | 29/Jun/2006 | 29/Jun/2006 | 12/Jul/2006 | 12/Jul/2006 | 12/Jul/2006 | 12/Jul/2006 | 12/Jul/2006 |
| Trt-Eval Interval      |           | 15 DAT-B    | 15 DAT-B    | 41 DAT-A    | 41 DAT-A    | 41 DAT-A    | 41 DAT-A    | 41 DAT-A    |
| ARM Action Codes       |           | 28 DAT-A    | 28 DAT-A    | 28 DAT-B    | 28 DAT-B    | 28 DAT-B    | 28 DAT-B    | 28 DAT-B    |
| # Subsamples, Dec.     |           |             |             |             |             |             |             |             |
| Trt Treatment          | Rate      |             |             |             |             |             |             |             |
| No. Name               | Unit Code |             |             |             |             |             |             |             |
| 1 CHECK UNTREATED      |           | 0.00 c      | 0.00 b      | 0.00 c      | 0.00 d      | 0.00 d      | 0.00 b      | 0.00 d      |
| 2 SEQUENCE             | A         | 80.00 ab    | 93.75 a     | 91.25 ab    | 76.25 bc    | 92.50 a     | 95.00 a     | 75.00 bc    |
| TOUCHDOWN TOTAL        | C         |             |             |             |             |             |             |             |
| 3 TOUCHDOWN TOTAL      | A         | 87.50 a     | 95.00 a     | 91.25 ab    | 78.75 b     | 90.00 ab    | 91.25 a     | 81.25 ab    |
| OUTLOOK                | A         |             |             |             |             |             |             |             |
| TOUCHDOWN TOTAL        | C         |             |             |             |             |             |             |             |
| 4 TOUCHDOWN TOTAL      | A         | 82.50 a     | 95.00 a     | 95.00 a     | 92.50 a     | 85.00 bc    | 95.00 a     | 82.50 a     |
| TOUCHDOWN TOTAL        | B         |             |             |             |             |             |             |             |
| 5 ROUNDUP ORIGINAL MAX | A         | 68.75 b     | 88.75 a     | 90.00 b     | 71.25 c     | 81.25 c     | 93.75 a     | 72.50 c     |
| ME-TOO-LACHLOR         | A         |             |             |             |             |             |             |             |
| ROUNDUP ORIGINAL MAX   | C         |             |             |             |             |             |             |             |
| LSD (P=.05)            |           | 12.776      | 6.329       | 4.040       | 6.997       | 7.309       | 3.916       | 6.522       |
| Standard Deviation     |           | 8.292       | 4.108       | 2.622       | 4.541       | 4.743       | 2.541       | 4.233       |
| CV                     |           | 13.01       | 5.51        | 3.57        | 7.12        | 6.8         | 3.39        | 6.8         |
| Grand Mean             |           | 63.75       | 74.5        | 73.5        | 63.75       | 69.75       | 75.0        | 62.25       |
| Bartlett's X2          |           | 2.226       | 4.097       | 1.148       | 2.092       | 3.012       | 1.148       | 2.591       |
| P(Bartlett's X2)       |           | 0.527       | 0.043*      | 0.284       | 0.553       | 0.39        | 0.284       | 0.459       |
| Replicate F            |           | 1.424       | 1.679       | 0.242       | 0.545       | 1.833       | 0.516       | 1.930       |
| Replicate Prob(F)      |           | 0.2841      | 0.2242      | 0.8651      | 0.6605      | 0.1948      | 0.6790      | 0.1786      |
| Treatment F            |           | 76.636      | 412.704     | 984.273     | 258.333     | 273.667     | 1090.161    | 274.256     |
| Treatment Prob(F)      |           | 0.0001      | 0.0001      | 0.0001      | 0.0001      | 0.0001      | 0.0001      | 0.0001      |

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

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

## LSU Northeast Research Station

| Weed Code              | IPOLA<br>GLXMA | AMARE<br>GLXMA | GLXMA       | SORHA<br>GLXMA | ECHCG<br>GLXMA | CASOB<br>GLXMA | SEBEX<br>GLXMA |   |         |    |         |          |
|------------------------|----------------|----------------|-------------|----------------|----------------|----------------|----------------|---|---------|----|---------|----------|
| Crop Code              | CONTROL        | CONTROL        | INJURY      | CONTROL        | CONTROL        | CONTROL        | CONTROL        |   |         |    |         |          |
| Rating Data Type       | %              | %              | %           | %              | %              | %              | %              |   |         |    |         |          |
| Rating Unit            | 12/Jul/2006    | 12/Jul/2006    | 24/Jul/2006 | 31/Jul/2006    | 31/Jul/2006    | 31/Jul/2006    | 31/Jul/2006    |   |         |    |         |          |
| Trt-Eval Interval      | 41 DAT-A       | 41 DAT-A       | 7 DA-C      | 14 DA-C        | 14 DA-C        | 14 DA-C        | 14 DA-C        |   |         |    |         |          |
| ARM Action Codes       | 28 DAT-B       | 28 DAT-B       |             |                |                |                |                |   |         |    |         |          |
| # Subsamples, Dec.     |                |                |             |                |                |                |                |   |         |    |         |          |
| Trt Treatment          | Rate           | Appl           |             |                |                |                |                |   |         |    |         |          |
| No. Name               | Unit           | Code           |             |                |                |                |                |   |         |    |         |          |
| 1 CHECK UNTREATED      | 0.00           | d              | 0.00        | c              | 0.00           | a              | 0.00           | c | 0.00    | b  |         |          |
| 2 SEQUENCE             | 75.00          | bc             | 83.75       | b              | 0.00           | a              | 93.75          | a | 88.75   | ab | 95.00   | a        |
| TOUCHDOWN TOTAL        |                | C              |             |                |                |                |                |   |         |    |         |          |
| 3 TOUCHDOWN TOTAL      | 81.25          | ab             | 92.50       | ab             | 0.00           | a              | 95.00          | a | 95.00   | a  | 95.00   | a        |
| OUTLOOK                |                | A              |             |                |                |                |                |   |         |    |         |          |
| TOUCHDOWN TOTAL        |                | C              |             |                |                |                |                |   |         |    |         |          |
| 4 TOUCHDOWN TOTAL      | 82.50          | a              | 95.00       | a              | 0.00           | a              | 88.75          | b | 82.50   | b  | 68.75   | b        |
| TOUCHDOWN TOTAL        |                | B              |             |                |                |                |                |   |         |    |         | 92.50    |
| 5 ROUNDUP ORIGINAL MAX | 72.50          | c              | 83.75       | b              | 0.00           | a              | 93.75          | a | 93.75   | a  | 93.75   | a        |
| ME-TOO-LACHLOR         |                | A              |             |                |                |                |                |   |         |    |         | 95.00    |
| ROUNDUP ORIGINAL MAX   |                | C              |             |                |                |                |                |   |         |    |         |          |
| LSD (P=.05)            | 6.522          |                | 9.770       |                | 0.000          |                | 4.040          |   | 7.988   |    | 6.171   | 3.445    |
| Standard Deviation     | 4.233          |                | 6.341       |                | 0.000          |                | 2.622          |   | 5.184   |    | 4.005   | 2.236    |
| CV                     | 6.8            |                | 8.93        |                | 0.0            |                | 3.53           |   | 7.2     |    | 5.68    | 2.96     |
| Grand Mean             | 62.25          |                | 71.0        |                | 0.0            |                | 74.25          |   | 72.0    |    | 70.5    | 75.5     |
| Bartlett's X2          | 2.591          |                | 0.931       |                | 0.0            |                | 3.453          |   | 6.254   |    | 3.585   | 0.0      |
| P(Bartlett's X2)       | 0.459          |                | 0.628       |                | .              |                | 0.178          |   | 0.044*  |    | 0.058   | .        |
| Replicate F            | 1.930          |                | 0.249       |                | 0.000          |                | 3.576          |   | 2.357   |    | 0.935   | 1.000    |
| Replicate Prob(F)      | 0.1786         |                | 0.8607      |                | 1.0000         |                | 0.0469         |   | 0.1232  |    | 0.4539  | 0.4262   |
| Treatment F            | 274.256        |                | 159.280     |                | 0.000          |                | 1005.727       |   | 244.721 |    | 418.558 | 1426.000 |
| Treatment Prob(F)      | 0.0001         |                | 0.0001      |                | 1.0000         |                | 0.0001         |   | 0.0001  |    | 0.0001  | 0.0001   |

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

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

## LSU Northeast Research Station

| Weed Code              | IPOHG       | IPOLA       | AMARE       | SORHA       | ECHCG       | CASOB       | SEBEX       |   |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Crop Code              | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       | GLXMA       |   |
| Rating Data Type       | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     | CONTROL     |   |
| Rating Unit            | %           | %           | %           | %           | %           | %           | %           |   |
| Rating Date            | 31/Jul/2006 | 31/Jul/2006 | 31/Jul/2006 | 21/Aug/2006 | 21/Aug/2006 | 21/Aug/2006 | 21/Aug/2006 |   |
| Trt-Eval Interval      | 14 DA-C     | 14 DA-C     | 14 DA-C     | 35 DA-C     | 35 DA-C     | 35 DA-C     | 35 DA-C     |   |
| ARM Action Codes       |             |             |             |             |             |             |             |   |
| # Subsamples, Dec.     |             |             |             |             |             |             |             |   |
| Trt Treatment          | Rate        | Appl        |             |             |             |             |             |   |
| No. Name               | Unit        | Code        |             |             |             |             |             |   |
| 1 CHECK UNTREATED      | 0.00        | b           | 0.00        | b           | 0.00        | b           | 0.00        | b |
| 2 SEQUENCE             | 90.00       | a           | 90.00       | a           | 95.00       | a           | 93.75       | a |
| TOUCHDOWN TOTAL        |             | C           |             |             |             |             |             |   |
| 3 TOUCHDOWN TOTAL      | 87.50       | a           | 87.50       | a           | 95.00       | a           | 92.50       | a |
| OUTLOOK                |             | A           |             |             |             |             |             |   |
| TOUCHDOWN TOTAL        |             | C           |             |             |             |             |             |   |
| 4 TOUCHDOWN TOTAL      | 85.00       | a           | 85.00       | a           | 95.00       | a           | 83.75       | b |
| TOUCHDOWN TOTAL        |             | B           |             |             |             |             |             |   |
| 5 ROUNDUP ORIGINAL MAX | 85.00       | a           | 85.00       | a           | 95.00       | a           | 93.75       | a |
| ME-TOO-LACHLOR         |             | A           |             |             |             |             |             |   |
| ROUNDUP ORIGINAL MAX   |             | C           |             |             |             |             |             |   |
| LSD (P=.05)            | 9.946       |             | 9.946       |             | 0.000       |             | 6.407       |   |
| Standard Deviation     | 6.455       |             | 6.455       |             | 0.000       |             | 4.158       |   |
| CV                     | 9.29        |             | 9.29        |             | 0.0         |             | 5.72        |   |
| Grand Mean             | 69.5        |             | 69.5        |             | 76.0        |             | 72.75       |   |
| Bartlett's X2          | 4.684       |             | 4.684       |             | 0.0         |             | 5.591       |   |
| P(Bartlett's X2)       | 0.196       |             | 0.196       |             | .           |             | 0.133       |   |
| Replicate F            | 3.000       |             | 3.000       |             | 0.000       |             | 0.458       |   |
| Replicate Prob(F)      | 0.0728      |             | 0.0728      |             | 1.0000      |             | 0.7168      |   |
| Treatment F            | 145.320     |             | 145.320     |             | 0.000       |             | 386.639     |   |
| Treatment Prob(F)      | 0.0001      |             | 0.0001      |             | 1.0000      |             | 0.0001      |   |

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

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

## LSU Northeast Research Station

| Weed Code              |      | IPOHG       | IPOLA       | AMARE       | GLXMA      | GLXMA      | GLXMA      |        |
|------------------------|------|-------------|-------------|-------------|------------|------------|------------|--------|
| Crop Code              |      | GLXMA       | GLXMA       | GLXMA       | GLXMA      | GLXMA      | GLXMA      |        |
| Rating Data Type       |      | CONTROL     | CONTROL     | CONTROL     | YIELD      | MOISTURE   | YIELD      |        |
| Rating Unit            |      | %           | %           | %           | LB/PLOT    | %          | BU/A       |        |
| Rating Date            |      | 21/Aug/2006 | 21/Aug/2006 | 21/Aug/2006 | 7/Sep/2006 | 7/Sep/2006 | 7/Sep/2006 |        |
| Trt-Eval Interval      |      | 35 DA-C     | 35 DA-C     | 35 DA-C     |            |            |            |        |
| ARM Action Codes       |      |             |             |             |            |            | TY1        |        |
| # Subsamples, Dec.     |      |             |             |             |            |            | 1          |        |
| Trt Treatment          | Rate | Appl        |             |             |            |            |            |        |
| No. Name               | Unit | Code        |             |             |            |            |            |        |
| 1 CHECK UNTREATED      |      |             | 44          | 45          | 46         | 47         | 48         | 49     |
| 2 SEQUENCE             | A    |             | 95.00 a     | 95.00 a     | 95.00 a    | 8.80 a     | 17.10 a    | 36.3 a |
| TOUCHDOWN TOTAL        | C    |             |             |             |            |            |            |        |
| 3 TOUCHDOWN TOTAL      | A    |             | 95.00 a     | 95.00 a     | 95.00 a    | 7.60 a     | 12.90 a    | 33.1 a |
| OUTLOOK                | A    |             |             |             |            |            |            |        |
| TOUCHDOWN TOTAL        | C    |             |             |             |            |            |            |        |
| 4 TOUCHDOWN TOTAL      | A    |             | 72.50 c     | 72.50 c     | 95.00 a    | 7.95 a     | 12.45 a    | 34.8 a |
| TOUCHDOWN TOTAL        | B    |             |             |             |            |            |            |        |
| 5 ROUNDUP ORIGINAL MAX | A    |             | 90.00 b     | 90.00 b     | 95.00 a    | 7.98 a     | 12.43 a    | 34.9 a |
| ME-TOO-LACHLOR         | A    |             |             |             |            |            |            |        |
| ROUNDUP ORIGINAL MAX   | C    |             |             |             |            |            |            |        |
| LSD (P=.05)            |      |             | 4.872       | 4.872       | 0.000      | 2.041      | 28.606     | 8.02   |
| Standard Deviation     |      |             | 3.162       | 3.162       | 0.000      | 1.324      | 18.566     | 5.20   |
| CV                     |      |             | 4.49        | 4.49        | 0.0        | 19.67      | 113.35     | 18.17  |
| Grand Mean             |      |             | 70.5        | 70.5        | 76.0       | 6.74       | 16.38      | 28.63  |
| Bartlett's X2          |      |             | 0.119       | 0.119       | 0.0        | 2.235      | 51.381     | 2.943  |
| P(Bartlett's X2)       |      |             | 0.731       | 0.731       | .          | 0.693      | 0.001*     | 0.567  |
| Replicate F            |      |             | 0.167       | 0.167       | 0.000      | 0.532      | 0.860      | 0.461  |
| Replicate Prob(F)      |      |             | 0.9168      | 0.9168      | 1.0000     | 0.6692     | 0.4883     | 0.7150 |
| Treatment F            |      |             | 655.500     | 655.500     | 0.000      | 21.107     | 0.456      | 28.131 |
| Treatment Prob(F)      |      |             | 0.0001      | 0.0001      | 1.0000     | 0.0001     | 0.7669     | 0.0001 |

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

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

Column 49: TY1 = 4.353823\*[47]\*(100-[48])/87