

## LSU Northeast Research Station

Evaluation of rimsulfuron for weed control in Roundup Ready corn.

Trial ID: SJ05C002  
Location:Study Dir.: US 012/05/01  
Investigator: Bill Williams**GENERAL TRIAL INFORMATION**Study Director: US 012/05/01  
Investigator: Bill Williams

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

**Conclusions:** Weed control and corn yields were confounded in this trial largely due to the late planting date and the lack of rainfall following planting and herbicide applications. Generally speaking preplant applications of Basis plus atrazine improved both henbit and cutleaf eveningprimrose control. Due to the lack of activating rainfall few differences in weed control and corn yield were observed between preemergence and postemergence herbicide applications. Overall, the best weed control and corn yields were observed in plots treated with 22 oz/A Roundup plus 1 oz/A DPX-E9636 plus 0.25 oz/A DPX-X4145 and 22 oz/A Roundup plus 1 oz/A DPX-E9636 plus 0.063 Harmony GT plus 0.25 oz/A DPX-X4145.

**CROP AND WEED DESCRIPTION**

| Weed Code | Common Name                    | Scientific Name        |
|-----------|--------------------------------|------------------------|
| 1.        | LAMAM Henbit                   | Lamium amplexicaule    |
| 2.        | OEOLA Eveningprimrose, cutleaf | Oenothera laciniata    |
| 3.        | POAAN Annual bluegrass         | Poa annua              |
| 4.        | CYPES Nutsedge, yellow         | Cyperus esculentus     |
| 5.        | BRAPP Signalgrass, broadleaf   | Brachiaria platyphylla |
| 6.        | CASOB Sickle pod               | Cassia obtusifolia     |
| 7.        | SIDSP Teaweed                  | Sida spinosa           |
| 8.        | SEBEX Coffeebean               | Sesbania exaltata      |
| 9.        | IPOHE Morningglory, entireleaf | Ipomoea hederacea      |
| 10.       | AMARE Pigweed, redroot         | Amaranthus retroflexus |

Crop 1: ZEAMX CORN, FIELD

Variety: DeKalb 6971

Planting Date: 4/14/05

Planting Method: BEDDED

Rate: 30000 S/A

Depth: 2 IN

Row Spacing: 40 IN

Seed Bed: FINE/TRASHY

Soil Moisture: DRY

Emergence Date: 4/22/05

**SITE AND DESIGN**

Plot Width, Unit: 13.3 FT

Plot Length, Unit: 30 FT

Reps: 3

Site Type: FIELD

Tillage Type: NO-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

**MAINTENANCE**

**Field Prep./Maintenance:** The entire test area was oversprayed with 1/qt Roundup Weathermax 2 WPP and at Planting.

**SOIL DESCRIPTION**

|            |           |                                  |
|------------|-----------|----------------------------------|
| % Sand: 20 | % OM: 1.6 | Texture: Silty clay loam         |
| % Silt: 54 | pH: 5.9   | Soil Name: Nhoom Silty Clay Loam |
| % Clay: 26 | CEC: 12.4 | Fert. Level: EXCELLENT           |

## LSU Northeast Research Station

**MOISTURE CONDITIONS**

|     | Date    | Time    | Amount | Unit | Type     | Interval | Unit |
|-----|---------|---------|--------|------|----------|----------|------|
| 1.  | 4/26/05 | 3:00 AM | 1.04   | in   | Rainfall | 0        | n/a  |
| 2.  | 4/27/05 | 8:30 AM | 0.04   | in   | Rainfall | 0        | n/a  |
| 3.  | 4/30/05 | 3:00 AM | 0.21   | in   | Rainfall | 0        | n/a  |
| 4.  | 5/10/05 | 6:30 PM | 0.25   | in   | Rainfall | 0        | n/a  |
| 5.  | 5/15/05 | 5:30 PM | 0.46   | in   | Rainfall | 0        | n/a  |
| 6.  | 5/25/05 | 8:00 PM | 0.78   | in   | Rainfall | 0        | n/a  |
| 7.  | 5/29/05 | 1:00 AM | 0.63   | in   | Rainfall | 0        | n/a  |
| 8.  | 5/30/05 | 11:00 A | 1.51   | in   | Rainfall | 0        | n/a  |
| 9.  | 5/31/05 | 8:00 PM | 0.26   | in   | Rainfall | 0        | n/a  |
| 10. | 6/2/05  | 4:00 PM | 0.04   | in   | Rainfall | 0        | n/a  |
| 11. | 6/6/05  | 7:00 PM | 0.39   | in   | Rainfall | 0        | n/a  |
| 12. | 6/18/05 | 11:00 A | 0.42   | in   | Rainfall | 0        | n/a  |
| 13. | 7/3/04  | 6:00 PM | 0.06   | in   | Rainfall | 0        | n/a  |
| 14. | 7/6/05  | 1:30 PM | 1.6    | in   | Rainfall | 0        | n/a  |
| 15. | 7/8/05  | 1:45 PM | 0.93   | in   | Rainfall | 0        | n/a  |
| 16. | 7/10/05 | 1:00 PM | 0.04   | in   | Rainfall | 0        | n/a  |
| 17. | 7/14/05 | 2:00 PM | 0.44   | in   | Rainfall | 0        | n/a  |
| 18. | 7/16/05 | 10:00 P | 0.04   | in   | Rainfall | 0        | n/a  |
| 19. | 7/17/05 | 1:00 PM | 0.25   | in   | Rainfall | 0        | n/a  |
| 20. | 7/18/05 | 7:00 PM | 0.05   | in   | Rainfall | 0        | n/a  |
| 21. | 7/22/05 | 2:30 PM | 0.15   | in   | Rainfall | 0        | n/a  |
| 22. | 8/4/05  | 3:30 PM | 0.27   | in   | Rainfall | 0        | n/a  |
| 23. | 8/5/05  | 8:00 PM | 0.45   | in   | Rainfall | 0        | n/a  |
| 24. | 8/6/05  | 6:00 PM | 0.25   | in   | Rainfall | 0        | n/a  |
| 25. | 8/16/05 | 6:00 PM | 1.31   | in   | Rainfall | 0        | n/a  |
| 26. | 8/22/05 | 9:00 PM | 0.05   | in   | Rainfall | 0        | n/a  |

Overall Moisture Conditions: Dry

Closest Weather Station: Northeast Research Station

Distance: 0.25 Unit: MI

**APPLICATION DESCRIPTION**

|                      | A       | B       | C      |
|----------------------|---------|---------|--------|
| Application Date:    | 4/2/05  | 4/14/05 | 5/3/05 |
| Time of Day:         | 1:00    | 10:00   | 4:00   |
| Application Method:  | SPRAY   | SPRAY   | SPRAY  |
| Application Timing:  | 2WPP    | PRE     | V2-V4  |
| Applic. Placement:   | BROSIOI | BROSIOI | BROFOL |
| Air Temp., Unit:     | 68 F    | 69 F    | 69 F   |
| % Relative Humidity: | 24      | 50      | 39     |
| Wind Velocity, Unit: | 10 NE   | 4.5 N   | 5 NW   |
| Soil Temp., Unit:    | 68 F    | 75 F    | 71 F   |
| Soil Moisture:       | moist   | dry     | dry    |
| % Cloud Cover:       | 0       | 60      | 0      |

**CROP STAGE AT EACH APPLICATION**

|                     | A         | B         | C        |
|---------------------|-----------|-----------|----------|
| Crop 1 Code, Stage: | ZEAMX n/a | ZEAMX n/a | ZEAMX V3 |
| Stage Scale:        | n/a       | n/a       | 5-8 in   |

## LSU Northeast Research Station

**WEED STAGE AT EACH APPLICATION**

|                            | <b>A</b>     | <b>B</b>  | <b>C</b>     |
|----------------------------|--------------|-----------|--------------|
| <b>Weed 1 Code, Stage:</b> | LAMAM n/a    | LAMAM n/a | LAMAM n/a    |
| <b>Stage Scale:</b>        | 4-6"         | n/a       | n/a          |
| <b>Weed 2 Code, Stage:</b> | OEOLA n/a    | OEOLA n/a | OEOLA n/a    |
| <b>Stage Scale:</b>        | 2-3"         | n/a       | n/a          |
| <b>Weed 3 Code, Stage:</b> | POAAN n/a    | POAAN n/a | POAAN n/a    |
| <b>Stage Scale:</b>        | 3-4"         | n/a       | n/a          |
| <b>Weed 4 Code, Stage:</b> | CYPES 1-2 lf | CYPES n/a | CYPES 3-4 lf |
| <b>Stage Scale:</b>        | 1"           | n/a       | 2-3 in       |
| <b>Weed 5 Code, Stage:</b> | BRAPP n/a    | BRAPP n/a | BRAPP 2-3 lf |
| <b>Stage Scale:</b>        | n/a          | n/a       | 3-4 in       |
| <b>Weed 6 Code, Stage:</b> | CASOB n/a    | CASOB n/a | CASOB 1-2 lf |
| <b>Stage Scale:</b>        | n/a          | n/a       | 1-2 in       |
| <b>Weed 7 Code, Stage:</b> | SIDSP n/a    | SIDSP n/a | SIDSP 1 lf   |
| <b>Stage Scale:</b>        | n/a          | n/a       | 1 in         |
| <b>Weed 8 Code, Stage:</b> | SEBEX n/a    | SEBEX n/a | SEBEX 2-3 lf |
| <b>Stage Scale:</b>        | n/a          | n/a       | 3-4 in       |
| <b>Weed 9 Code, Stage:</b> | IPOHE n/a    | IPOHE n/a | IPOHE 1-2 lf |
| <b>Stage Scale:</b>        | n/a          | n/a       | 1-2 in       |
| <b>Weed10 Code, Stage:</b> | AMARE n/a    | AMARE n/a | AMARE 1-3 lf |
| <b>Stage Scale:</b>        | n/a          | n/a       | 1-3 in       |

**APPLICATION EQUIPMENT**

|                              | <b>A</b> | <b>B</b> | <b>C</b> |
|------------------------------|----------|----------|----------|
| <b>Appl. Equipment:</b>      | Tractor  | Tractor  | Tractor  |
| <b>Operating Pressure:</b>   | 34       | 34       | 34       |
| <b>Nozzle Type:</b>          | Ven      | Ven      | Ven      |
| <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>Carrier:</b>              | Water    | Water    | Water    |
| <b>Spray Volume, Unit:</b>   | 15 GPA   | 15 GPA   | 15 GPA   |
| <b>Propellant:</b>           | CO2      | CO2      | CO2      |

## LSU Northeast Research Station

Evaluation of rimsulfuron for weed control in Roundup Ready corn.

Trial ID: SJ05C002  
Location:Study Dir.: US 012/05/01  
Investigator: Bill Williams

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | LAMAM    | LAMAM    | OEOLA    | OEOLA    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 4/12/05  | 4/29/05  | 4/12/05  | 4/29/05  |
| Trt-Eval Interval  | 10 DA-A  | 15 DA-B  | 10 DA-A  | 15 DA-B  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt No. | Treatment Name     | Rate  | Rate Unit | Grow Stg | 1  | 2    | 3    | 4    |   |
|---------|--------------------|-------|-----------|----------|----|------|------|------|---|
| 1       | Roundup Weathermax | 22    | OZ/A      | V2-V4    | 60 | b 70 | d 60 | b 70 | d |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |
| 2       | Roundup Weathermax | 22    | OZ/A      | V2-V4    | 60 | b 70 | d 60 | b 70 | d |
|         | DPX-E9636          | 1     | OZ/A      | V2-V4    |    |      |      |      |   |
|         | DPX-X4145          | 0.25  | OZ/A      | V2-V4    |    |      |      |      |   |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |
| 3       | Roundup Weathermax | 22    | OZ/A      | V2-V4    | 60 | b 70 | d 60 | b 70 | d |
|         | DPX-E9636          | 1     | OZ/A      | V2-V4    |    |      |      |      |   |
|         | Harmony GT         | 0.063 | OZ/A      | V2-V4    |    |      |      |      |   |
|         | DPX-X4145          | 0.25  | OZ/A      | V2-V4    |    |      |      |      |   |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |
| 4       | Roundup Weathermax | 22    | OZ/A      | V2-V4    | 60 | b 70 | d 60 | b 70 | d |
|         | DPX-E9636          | 1     | OZ/A      | V2-V4    |    |      |      |      |   |
|         | Clarity            | 4     | OZ/A      | V2-V4    |    |      |      |      |   |
|         | DPX-X4145          | 0.25  | OZ/A      | V2-V4    |    |      |      |      |   |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |
| 5       | Roundup Weathermax | 22    | OZ/A      | V2-V4    | 60 | b 70 | d 60 | b 70 | d |
|         | Harnes             | 1.5   | PT/A      | V2-V4    |    |      |      |      |   |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |
| 6       | Steadfast          | 0.75  | OZ/A      | V2-V4    | 60 | b 70 | d 60 | b 70 | d |
|         | Callisto           | 1.5   | OZ/A      | V2-V4    |    |      |      |      |   |
|         | Atrazine           | 1.5   | PT/A      | V2-V4    |    |      |      |      |   |
|         | COC                | 1     | % V/V     | V2-V4    |    |      |      |      |   |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |
| 7       | Basis              | 0.33  | OZ/A      | PRE      | 60 | b 95 | a 60 | b 70 | d |
|         | Atrazine           | 1     | QT/A      | PRE      |    |      |      |      |   |
|         | COC                | 1     | % V/V     | PRE      |    |      |      |      |   |
|         | Roundup Weathermax | 22    | OZ/A      | V2-V4    |    |      |      |      |   |
|         | AMS                | 2     | LB/A      | V2-V4    |    |      |      |      |   |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | LAMAM    | LAMAM    | OEOLA    | OEOLA    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 4/12/05  | 4/29/05  | 4/12/05  | 4/29/05  |
| Trt-Eval Interval  | 10 DA-A  | 15 DA-B  | 10 DA-A  | 15 DA-B  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt | Treatment          | Rate | Unit  | Grow  | 1  | 2    | 3     | 4    |   |
|-----|--------------------|------|-------|-------|----|------|-------|------|---|
| 8   | Basis              | 0.66 | OZ/A  | PRE   | 60 | b 95 | a 60  | b 70 | d |
|     | Atrazine           | 1    | QT/A  | PRE   |    |      |       |      |   |
|     | COC                | 1    | % V/V | PRE   |    |      |       |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |
| 9   | Basis              | 1    | OZ/A  | PRE   | 60 | b 95 | a 60  | b 70 | d |
|     | Atrazine           | 1    | QT/A  | PRE   |    |      |       |      |   |
|     | COC                | 1    | % V/V | PRE   |    |      |       |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |
| 10  | Basis              | 0.33 | OZ/A  | 14DPP | 83 | a 95 | a 90  | a 95 | a |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |       |      |   |
|     | COC                | 1    | % V/V | 14DPP |    |      |       |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |
| 11  | Basis              | 0.66 | OZ/A  | 14DPP | 87 | a 95 | a 90  | a 95 | a |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |       |      |   |
|     | COC                | 1    | % V/V | 14DPP |    |      |       |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |
| 12  | Basis              | 1    | OZ/A  | 14DPP | 87 | a 82 | c 90  | a 95 | a |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |       |      |   |
|     | COC                | 1    | % V/V | 14DPP |    |      |       |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |
| 13  | Harness Xtra       | 1.5  | QT/A  | PRE   | 60 | b 92 | b 60  | b 80 | c |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |
| 14  | Cinch ATZ          | 1.5  | PT/A  | PRE   | 60 | b 93 | ab 60 | b 80 | c |
|     | Steadfast          | 0.75 | OZ/A  | V2-V4 |    |      |       |      |   |
|     | Callisto           | 1.5  | OZ/A  | V2-V4 |    |      |       |      |   |
|     | Atrazine           | 1.5  | PT/A  | V2-V4 |    |      |       |      |   |
|     | COC                | 1    | % V/V | V2-V4 |    |      |       |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |       |      |   |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | LAMAM    | LAMAM    | OEOLA    | OEOLA    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 4/12/05  | 4/29/05  | 4/12/05  | 4/29/05  |
| Trt-Eval Interval  | 10 DA-A  | 15 DA-B  | 10 DA-A  | 15 DA-B  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt No.          | Treatment Name     | Rate | Unit  | Stg   | Grow 1 | Grow 2 | Grow 3 | Grow 4 | Grow d |
|------------------|--------------------|------|-------|-------|--------|--------|--------|--------|--------|
| 15               | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 60     | b 67   | e 60   | b 70   | d      |
|                  | DPX-E9636          | 1    | OZ/A  | V2-V4 |        |        |        |        |        |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |        |        |        |        |        |
|                  | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |        |        |        |        |        |
|                  | AMS                | 2    | LB/A  | V2-V4 |        |        |        |        |        |
| 16               | Basis              | 0.5  | OZ/A  | PRE   | 60     | b 70   | d 60   | b 70   | d      |
|                  | COC                | 1    | % V/V | PRE   |        |        |        |        |        |
|                  | Roundup Weathermax | 22   | OZ/A  | V2-V4 |        |        |        |        |        |
|                  | DPX-E9636          | 1    | OZ/A  | V2-V4 |        |        |        |        |        |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |        |        |        |        |        |
|                  | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |        |        |        |        |        |
|                  | AMS                | 2    | LB/A  | V2-V4 |        |        |        |        |        |
| 17               | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 60     | b 92   | b 60   | b 83   | b      |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |        |        |        |        |        |
|                  | AMS                | 2    | LB/A  | V2-V4 |        |        |        |        |        |
| 18               | nontreated         |      |       |       | 60     | b 70   | d 60   | b 70   | d      |
| LSD (P=.05)      |                    |      |       |       | 3.8    | 3.1    | 0.0    | 2.3    |        |
| Bartlett's X2    |                    |      |       |       | 0.0    | 1.845  | 0.0    | 0.0    |        |
| P(Bartlett's X2) |                    |      |       |       | 1.00   | 0.764  | .      | .      |        |

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          | OEOLA    | BRAPP    | BRAPP    | BRAPP    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 5/12/05  | 4/29/05  | 5/12/05  | 5/26/05  |
| Trt-Eval Interval  | 9 DA-C   | 15 DA-B  | 9 DA-C   | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt No. | Treatment Name               | Rate  | Unit  | Grow Stg | 5  | 6    | 7     | 8      |     |
|---------|------------------------------|-------|-------|----------|----|------|-------|--------|-----|
| 1       | Roundup Weathermax AMS       | 22    | OZ/A  | V2-V4    | 90 | a 0  | d 95  | a 73   | c   |
| 2       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 90 | a 0  | d 92  | abc 77 | bc  |
|         | DPX-X4145                    | 1     | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |
| 3       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 92 | a 0  | d 93  | ab 87  | ab  |
|         | Harmony GT                   | 1     | OZ/A  | V2-V4    |    |      |       |        |     |
|         | DPX-X4145                    | 0.063 | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |
| 4       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 90 | a 0  | d 93  | ab 88  | a   |
|         | Clarity                      | 1     | OZ/A  | V2-V4    |    |      |       |        |     |
|         | DPX-X4145                    | 4     | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |
| 5       | Roundup Weathermax Harnes    | 22    | OZ/A  | V2-V4    | 95 | a 0  | d 93  | ab 87  | ab  |
|         | AMS                          | 1.5   | PT/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |
| 6       | Steadfast                    | 0.75  | OZ/A  | V2-V4    | 95 | a 0  | d 87  | d 82   | abc |
|         | Callisto                     | 1.5   | OZ/A  | V2-V4    |    |      |       |        |     |
|         | Atrazine                     | 1.5   | PT/A  | V2-V4    |    |      |       |        |     |
|         | COC                          | 1     | % V/V | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |
| 7       | Basis                        | 0.33  | OZ/A  | PRE      | 95 | a 90 | ab 88 | cd 87  | ab  |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |      |       |        |     |
|         | COC                          | 1     | % V/V | PRE      |    |      |       |        |     |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |
| 8       | Basis                        | 0.66  | OZ/A  | PRE      | 93 | a 92 | a 90  | bcd 88 | a   |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |      |       |        |     |
|         | COC                          | 1     | % V/V | PRE      |    |      |       |        |     |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |      |       |        |     |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |       |        |     |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | OEOLA    | BRAPP    | BRAPP    | BRAPP    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 5/12/05  | 4/29/05  | 5/12/05  | 5/26/05  |
| Trt-Eval Interval  | 9 DA-C   | 15 DA-B  | 9 DA-C   | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt | Treatment          | Rate | Unit  | Grow  | 5  | 6    | 7      | 8      |     |
|-----|--------------------|------|-------|-------|----|------|--------|--------|-----|
| 9   | Basis              | 1    | OZ/A  | PRE   | 95 | a 92 | a 90   | bcd 87 | ab  |
|     | Atrazine           | 1    | QT/A  | PRE   |    |      |        |        |     |
|     | COC                | 1    | % V/V | PRE   |    |      |        |        |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |
| 10  | Basis              | 0.33 | OZ/A  | 14DPP | 95 | a 92 | a 92   | abc 85 | ab  |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |        |        |     |
|     | COC                | 1    | % V/V | 14DPP |    |      |        |        |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |
| 11  | Basis              | 0.66 | OZ/A  | 14DPP | 95 | a 92 | a 95   | a 90   | a   |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |        |        |     |
|     | COC                | 1    | % V/V | 14DPP |    |      |        |        |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |
| 12  | Basis              | 1    | OZ/A  | 14DPP | 95 | a 92 | a 95   | a 83   | abc |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |        |        |     |
|     | COC                | 1    | % V/V | 14DPP |    |      |        |        |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |
| 13  | Harness Xtra       | 1.5  | QT/A  | PRE   | 95 | a 87 | abc 95 | a 92   | a   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |
| 14  | Cinch ATZ          | 1.5  | PT/A  | PRE   | 95 | a 85 | bc 87  | d 87   | ab  |
|     | Steadfast          | 0.75 | OZ/A  | V2-V4 |    |      |        |        |     |
|     | Callisto           | 1.5  | OZ/A  | V2-V4 |    |      |        |        |     |
|     | Atrazine           | 1.5  | PT/A  | V2-V4 |    |      |        |        |     |
|     | COC                | 1    | % V/V | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |
| 15  | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 80 | b 0  | d 95   | a 88   | a   |
|     | DPX-E9636          | 1    | OZ/A  | V2-V4 |    |      |        |        |     |
|     | Atrazine           | 2    | QT/A  | V2-V4 |    |      |        |        |     |
|     | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |    |      |        |        |     |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |        |        |     |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | OEOLA    | BRAPP    | BRAPP    | BRAPP    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 5/12/05  | 4/29/05  | 5/12/05  | 5/26/05  |
| Trt-Eval Interval  | 9 DA-C   | 15 DA-B  | 9 DA-C   | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt              | Treatment          | Rate | Unit  | Grow  | 5     | 6     | 7     | 8          |
|------------------|--------------------|------|-------|-------|-------|-------|-------|------------|
| No.              | Name               | Rate | Unit  | Stg   |       |       |       |            |
| 16               | Basis              | 0.5  | OZ/A  | PRE   | 80    | b 83  | c 95  | a 87 ab    |
|                  | COC                | 1    | % V/V | PRE   |       |       |       |            |
|                  | Roundup Weathermax | 22   | OZ/A  | V2-V4 |       |       |       |            |
|                  | DPX-E9636          | 1    | OZ/A  | V2-V4 |       |       |       |            |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |       |       |       |            |
|                  | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |       |       |       |            |
|                  | AMS                | 2    | LB/A  | V2-V4 |       |       |       |            |
| 17               | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 83    | b 0   | d 92  | abc 83 abc |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |       |       |       |            |
|                  | AMS                | 2    | LB/A  | V2-V4 |       |       |       |            |
| 18               | nontreated         |      |       |       | 0     | c 0   | d 0   | e 0 d      |
| LSD (P=.05)      |                    |      |       |       | 5.8   | 5.3   | 4.0   | 11.2       |
| Bartlett's X2    |                    |      |       |       | 2.422 | 5.822 | 2.223 | 18.738     |
| P(Bartlett's X2) |                    |      |       |       | 0.659 | 0.561 | 0.973 | 0.226      |

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          | BRAPP    | CYPES    | CYPES    | CYPES    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 7/25/05  | 4/29/05  | 5/12/05  | 5/26/05  |
| Trt-Eval Interval  | 83 DA-C  | 15 DA-B  | 9 DA-C   | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt | Treatment          | Rate | Unit  | Grow  | 9  | 10     | 11    | 12     |    |
|-----|--------------------|------|-------|-------|----|--------|-------|--------|----|
| No. | Name               |      | Stg   |       |    |        |       |        |    |
| 9   | Basis              | 1    | OZ/A  | PRE   | 87 | ab 83  | ab 80 | bcd 75 | ab |
|     | Atrazine           | 1    | QT/A  | PRE   |    |        |       |        |    |
|     | COC                | 1    | % V/V | PRE   |    |        |       |        |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |
| 10  | Basis              | 0.33 | OZ/A  | 14DPP | 85 | ab 78  | ab 60 | e 83   | a  |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |        |       |        |    |
|     | COC                | 1    | % V/V | 14DPP |    |        |       |        |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |
| 11  | Basis              | 0.66 | OZ/A  | 14DPP | 90 | a 78   | ab 82 | bcd 67 | bc |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |        |       |        |    |
|     | COC                | 1    | % V/V | 14DPP |    |        |       |        |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |
| 12  | Basis              | 1    | OZ/A  | 14DPP | 83 | abc 87 | a 87  | ab 77  | ab |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |        |       |        |    |
|     | COC                | 1    | % V/V | 14DPP |    |        |       |        |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |
| 13  | Harness Xtra       | 1.5  | QT/A  | PRE   | 92 | a 60   | cd 82 | bcd 83 | a  |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |
| 14  | Cinch ATZ          | 1.5  | PT/A  | PRE   | 87 | ab 77  | b 80  | bcd 67 | bc |
|     | Steadfast          | 0.75 | OZ/A  | V2-V4 |    |        |       |        |    |
|     | Callisto           | 1.5  | OZ/A  | V2-V4 |    |        |       |        |    |
|     | Atrazine           | 1.5  | PT/A  | V2-V4 |    |        |       |        |    |
|     | COC                | 1    | % V/V | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |
| 15  | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 88 | a 0    | e 77  | cd 77  | ab |
|     | DPX-E9636          | 1    | OZ/A  | V2-V4 |    |        |       |        |    |
|     | Atrazine           | 2    | QT/A  | V2-V4 |    |        |       |        |    |
|     | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |    |        |       |        |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |        |       |        |    |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | BRAPP    | CYPES    | CYPES    | CYPES    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 7/25/05  | 4/29/05  | 5/12/05  | 5/26/05  |
| Trt-Eval Interval  | 83 DA-C  | 15 DA-B  | 9 DA-C   | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt              | Treatment          | Rate | Unit  | Grow  | 9      | 10  | 11    | 12 |        |    |       |     |
|------------------|--------------------|------|-------|-------|--------|-----|-------|----|--------|----|-------|-----|
| No.              | Name               | Rate | Unit  | Stg   |        |     |       |    |        |    |       |     |
| 16               | Basis              | 0.5  | OZ/A  | PRE   | 87     | ab  | 77    | b  | 92     | a  | 70    | abc |
|                  | COC                | 1    | % V/V | PRE   |        |     |       |    |        |    |       |     |
|                  | Roundup Weathermax | 22   | OZ/A  | V2-V4 |        |     |       |    |        |    |       |     |
|                  | DPX-E9636          | 1    | OZ/A  | V2-V4 |        |     |       |    |        |    |       |     |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |        |     |       |    |        |    |       |     |
|                  | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |        |     |       |    |        |    |       |     |
|                  | AMS                | 2    | LB/A  | V2-V4 |        |     |       |    |        |    |       |     |
| 17               | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 83     | abc | 0     | e  | 77     | cd | 73    | abc |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |        |     |       |    |        |    |       |     |
|                  | AMS                | 2    | LB/A  | V2-V4 |        |     |       |    |        |    |       |     |
| 18               | nontreated         |      |       |       | 0      | d   | 0     | e  | 0      | f  | 0     | d   |
| LSD (P=.05)      |                    |      |       |       | 11.2   |     | 9.0   |    | 9.0    |    | 14.2  |     |
| Bartlett's X2    |                    |      |       |       | 18.738 |     | 5.003 |    | 12.612 |    | 6.684 |     |
| P(Bartlett's X2) |                    |      |       |       | 0.226  |     | 0.66  |    | 0.398  |    | 0.966 |     |

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          | CYPES    | CASOB    | CASOB    | CASOB    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 7/25/05  | 4/29/05  | 5/12/05  | 5/26/05  |
| Trt-Eval Interval  | 83 DA-C  | 15 DA-B  | 9 DA-C   | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt No. | Treatment Name               | Rate  | Unit  | Grow Stg | 13 | 14     | 15   | 16   |   |
|---------|------------------------------|-------|-------|----------|----|--------|------|------|---|
| 1       | Roundup Weathermax AMS       | 22    | OZ/A  | V2-V4    | 63 | bc 0   | d 95 | a 88 | a |
| 2       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 70 | abc 0  | d 95 | a 92 | a |
|         | DPX-X4145                    | 1     | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |
| 3       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 73 | abc 0  | d 92 | b 85 | a |
|         | Harmony GT                   | 1     | OZ/A  | V2-V4    |    |        |      |      |   |
|         | DPX-X4145                    | 0.063 | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |
| 4       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 72 | abc 0  | d 95 | a 87 | a |
|         | Clarity                      | 1     | OZ/A  | V2-V4    |    |        |      |      |   |
|         | DPX-X4145                    | 4     | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |
| 5       | Roundup Weathermax Harnes    | 22    | OZ/A  | V2-V4    | 67 | bc 0   | d 95 | a 90 | a |
|         | AMS                          | 1.5   | PT/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |
| 6       | Steadfast                    | 0.75  | OZ/A  | V2-V4    | 60 | c 0    | d 88 | c 88 | a |
|         | Callisto                     | 1.5   | OZ/A  | V2-V4    |    |        |      |      |   |
|         | Atrazine                     | 1.5   | PT/A  | V2-V4    |    |        |      |      |   |
|         | COC                          | 1     | % V/V | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |
| 7       | Basis                        | 0.33  | OZ/A  | PRE      | 72 | abc 95 | a 95 | a 93 | a |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |        |      |      |   |
|         | COC                          | 1     | % V/V | PRE      |    |        |      |      |   |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |
| 8       | Basis                        | 0.66  | OZ/A  | PRE      | 70 | abc 88 | c 95 | a 90 | a |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |        |      |      |   |
|         | COC                          | 1     | % V/V | PRE      |    |        |      |      |   |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |        |      |      |   |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |        |      |      |   |



LSU Northeast Research Station

| Weed Code             | CYPES    | CASOB    | CASOB    | CASOB                  |
|-----------------------|----------|----------|----------|------------------------|
| Crop Code             |          |          |          |                        |
| Part Rated            | PLATOT P | PLATOT P | PLATOT P | PLATOT P               |
| Rating Data Type      | CONTROL  | CONTROL  | CONTROL  | CONTROL                |
| Rating Unit           | %        | %        | %        | %                      |
| Rating Date           | 7/25/05  | 4/29/05  | 5/12/05  | 5/26/05                |
| Trt-Eval Interval     | 83 DA-C  | 15 DA-B  | 9 DA-C   | 23 DA-C                |
| ARM Action Codes      |          |          |          |                        |
| # Subsamples, Dec.    |          |          |          |                        |
| Trt Treatment         | Rate     | Unit     | Grow     |                        |
| No. Name              | Rate     | Unit     | Stg      | 13 14 15 16            |
| 16 Basis              | 0.5      | OZ/A     | PRE      | 70 abc 87 c 95 a 95 a  |
| COC                   | 1        | % V/V    | PRE      |                        |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |                        |
| DPX-E9636             | 1        | OZ/A     | V2-V4    |                        |
| Atrazine              | 2        | QT/A     | V2-V4    |                        |
| DPX-X4145             | 0.25     | OZ/A     | V2-V4    |                        |
| AMS                   | 2        | LB/A     | V2-V4    |                        |
| 17 Roundup Weathermax | 22       | OZ/A     | V2-V4    | 73 abc 0 d 95 a 95 a   |
| Atrazine              | 2        | QT/A     | V2-V4    |                        |
| AMS                   | 2        | LB/A     | V2-V4    |                        |
| 18 nontreated         |          |          |          | 0 d 0 d 0 d 0 b        |
| LSD (P=.05)           |          |          |          | 14.2 4.3 2.3 11.2      |
| Bartlett's X2         |          |          |          | 6.684 1.676 0.0 3.475  |
| P(Bartlett's X2)      |          |          |          | 0.966 0.795 1.00 0.991 |

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          | CASOB    | IPOHE    | IPOHE    | IPOHE    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 7/25/05  | 4/29/05  | 5/26/05  | 7/25/05  |
| Trt-Eval Interval  | 83 DA-C  | 15 DA-B  | 23 DA-C  | 83 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt No. | Treatment Name               | Rate  | Unit  | Grow Stg | 17 | 18    | 19    | 20    |    |
|---------|------------------------------|-------|-------|----------|----|-------|-------|-------|----|
| 1       | Roundup Weathermax AMS       | 22    | OZ/A  | V2-V4    | 90 | ab 0  | c 85  | c 82  | b  |
| 2       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 92 | ab 0  | c 92  | ab 92 | ab |
|         | DPX-X4145                    | 1     | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |       |       |       |    |
| 3       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 87 | ab 0  | c 93  | ab 93 | a  |
|         | Harmony GT                   | 1     | OZ/A  | V2-V4    |    |       |       |       |    |
|         | DPX-X4145                    | 0.063 | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |       |       |       |    |
| 4       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 85 | b 0   | c 95  | a 95  | a  |
|         | Clarity                      | 1     | OZ/A  | V2-V4    |    |       |       |       |    |
|         | DPX-X4145                    | 4     | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |       |       |       |    |
| 5       | Roundup Weathermax Harnes    | 22    | OZ/A  | V2-V4    | 90 | ab 0  | c 85  | c 82  | b  |
|         | AMS                          | 1.5   | PT/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |       |       |       |    |
| 6       | Steadfast                    | 0.75  | OZ/A  | V2-V4    | 90 | ab 0  | c 88  | bc 85 | ab |
|         | Callisto                     | 1.5   | OZ/A  | V2-V4    |    |       |       |       |    |
|         | Atrazine                     | 1.5   | PT/A  | V2-V4    |    |       |       |       |    |
|         | COC                          | 1     | % V/V | V2-V4    |    |       |       |       |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |       |       |       |    |
| 7       | Basis                        | 0.33  | OZ/A  | PRE      | 93 | ab 95 | a 93  | ab 90 | ab |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |       |       |       |    |
|         | COC                          | 1     | % V/V | PRE      |    |       |       |       |    |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |       |       |       |    |
| 8       | Basis                        | 0.66  | OZ/A  | PRE      | 90 | ab 90 | ab 93 | ab 90 | ab |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |       |       |       |    |
|         | COC                          | 1     | % V/V | PRE      |    |       |       |       |    |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |       |       |       |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |       |       |       |    |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | CASOB    | IPOHE    | IPOHE    | IPOHE    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 7/25/05  | 4/29/05  | 5/26/05  | 7/25/05  |
| Trt-Eval Interval  | 83 DA-C  | 15 DA-B  | 23 DA-C  | 83 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt | Treatment          | Rate | Unit  | Grow  | 17 | 18    | 19   | 20    |    |
|-----|--------------------|------|-------|-------|----|-------|------|-------|----|
| 9   | Basis              | 1    | OZ/A  | PRE   | 88 | ab 95 | a 92 | ab 88 | ab |
|     | Atrazine           | 1    | QT/A  | PRE   |    |       |      |       |    |
|     | COC                | 1    | % V/V | PRE   |    |       |      |       |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |
| 10  | Basis              | 0.33 | OZ/A  | 14DPP | 90 | ab 87 | b 93 | ab 93 | a  |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |       |      |       |    |
|     | COC                | 1    | % V/V | 14DPP |    |       |      |       |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |
| 11  | Basis              | 0.66 | OZ/A  | 14DPP | 92 | ab 95 | a 95 | a 95  | a  |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |       |      |       |    |
|     | COC                | 1    | % V/V | 14DPP |    |       |      |       |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |
| 12  | Basis              | 1    | OZ/A  | 14DPP | 87 | ab 95 | a 93 | ab 93 | a  |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |       |      |       |    |
|     | COC                | 1    | % V/V | 14DPP |    |       |      |       |    |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |
| 13  | Harness Xtra       | 1.5  | QT/A  | PRE   | 90 | ab 95 | a 93 | ab 90 | ab |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |
| 14  | Cinch ATZ          | 1.5  | PT/A  | PRE   | 95 | a 95  | a 95 | a 95  | a  |
|     | Steadfast          | 0.75 | OZ/A  | V2-V4 |    |       |      |       |    |
|     | Callisto           | 1.5  | OZ/A  | V2-V4 |    |       |      |       |    |
|     | Atrazine           | 1.5  | PT/A  | V2-V4 |    |       |      |       |    |
|     | COC                | 1    | % V/V | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |
| 15  | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 95 | a 0   | c 95 | a 95  | a  |
|     | DPX-E9636          | 1    | OZ/A  | V2-V4 |    |       |      |       |    |
|     | Atrazine           | 2    | QT/A  | V2-V4 |    |       |      |       |    |
|     | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |    |       |      |       |    |
|     | AMS                | 2    | LB/A  | V2-V4 |    |       |      |       |    |

LSU Northeast Research Station

| Weed Code             | CASOB    | IPOHE    | IPOHE    | IPOHE                   |
|-----------------------|----------|----------|----------|-------------------------|
| Crop Code             |          |          |          |                         |
| Part Rated            | PLATOT P | PLATOT P | PLATOT P | PLATOT P                |
| Rating Data Type      | CONTROL  | CONTROL  | CONTROL  | CONTROL                 |
| Rating Unit           | %        | %        | %        | %                       |
| Rating Date           | 7/25/05  | 4/29/05  | 5/26/05  | 7/25/05                 |
| Trt-Eval Interval     | 83 DA-C  | 15 DA-B  | 23 DA-C  | 83 DA-C                 |
| ARM Action Codes      |          |          |          |                         |
| # Subsamples, Dec.    |          |          |          |                         |
| Trt Treatment         | Rate     | Unit     | Grow     |                         |
| No. Name              | Rate     | Unit     | Stg      | 17 18 19 20             |
| 16 Basis              | 0.5      | OZ/A     | PRE      | 95 a 90 ab 95 a 95 a    |
| COC                   | 1        | % V/V    | PRE      |                         |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |                         |
| DPX-E9636             | 1        | OZ/A     | V2-V4    |                         |
| Atrazine              | 2        | QT/A     | V2-V4    |                         |
| DPX-X4145             | 0.25     | OZ/A     | V2-V4    |                         |
| AMS                   | 2        | LB/A     | V2-V4    |                         |
| 17 Roundup Weathermax | 22       | OZ/A     | V2-V4    | 95 a 0 c 95 a 95 a      |
| Atrazine              | 2        | QT/A     | V2-V4    |                         |
| AMS                   | 2        | LB/A     | V2-V4    |                         |
| 18 nontreated         |          |          |          | 0 c 0 c 0 d 0 c         |
| LSD (P=.05)           |          |          |          | 9.7 6.4 5.8 10.6        |
| Bartlett's X2         |          |          |          | 6.506 0.494 8.008 9.303 |
| P(Bartlett's X2)      |          |          |          | 0.838 0.482 0.628 0.504 |

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          | AMARE    | AMARE    | AMARE    | SIDSP    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 5/12/05  | 5/26/05  | 7/25/05  | 5/26/05  |
| Trt-Eval Interval  | 9 DA-C   | 23 DA-C  | 83 DA-C  | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt No. | Treatment Name               | Rate  | Unit  | Grow Stg | 21 | 22   | 23   | 24   |    |
|---------|------------------------------|-------|-------|----------|----|------|------|------|----|
| 1       | Roundup Weathermax AMS       | 22    | OZ/A  | V2-V4    | 95 | a 88 | a 87 | a 87 | ab |
| 2       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 95 | a 83 | a 83 | a 95 | a  |
|         | DPX-X4145                    | 1     | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |
| 3       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 95 | a 83 | a 83 | a 95 | a  |
|         | Harmony GT                   | 1     | OZ/A  | V2-V4    |    |      |      |      |    |
|         | DPX-X4145                    | 0.063 | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |
| 4       | Roundup Weathermax DPX-E9636 | 22    | OZ/A  | V2-V4    | 95 | a 83 | a 83 | a 95 | a  |
|         | Clarity                      | 1     | OZ/A  | V2-V4    |    |      |      |      |    |
|         | DPX-X4145                    | 4     | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 0.25  | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |
| 5       | Roundup Weathermax Harnes    | 22    | OZ/A  | V2-V4    | 95 | a 90 | a 92 | a 90 | ab |
|         | AMS                          | 1.5   | PT/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |
| 6       | Steadfast                    | 0.75  | OZ/A  | V2-V4    | 95 | a 82 | a 82 | a 82 | b  |
|         | Callisto                     | 1.5   | OZ/A  | V2-V4    |    |      |      |      |    |
|         | Atrazine                     | 1.5   | PT/A  | V2-V4    |    |      |      |      |    |
|         | COC                          | 1     | % V/V | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |
| 7       | Basis                        | 0.33  | OZ/A  | PRE      | 95 | a 93 | a 93 | a 95 | a  |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |      |      |      |    |
|         | COC                          | 1     | % V/V | PRE      |    |      |      |      |    |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |
| 8       | Basis                        | 0.66  | OZ/A  | PRE      | 95 | a 95 | a 95 | a 95 | a  |
|         | Atrazine                     | 1     | QT/A  | PRE      |    |      |      |      |    |
|         | COC                          | 1     | % V/V | PRE      |    |      |      |      |    |
|         | Roundup Weathermax           | 22    | OZ/A  | V2-V4    |    |      |      |      |    |
|         | AMS                          | 2     | LB/A  | V2-V4    |    |      |      |      |    |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | AMARE    | AMARE    | AMARE    | SIDSP    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 5/12/05  | 5/26/05  | 7/25/05  | 5/26/05  |
| Trt-Eval Interval  | 9 DA-C   | 23 DA-C  | 83 DA-C  | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt | Treatment          | Rate | Unit  | Grow  | 21 | 22   | 23   | 24   |   |
|-----|--------------------|------|-------|-------|----|------|------|------|---|
| 9   | Basis              | 1    | OZ/A  | PRE   | 95 | a 95 | a 95 | a 93 | a |
|     | Atrazine           | 1    | QT/A  | PRE   |    |      |      |      |   |
|     | COC                | 1    | % V/V | PRE   |    |      |      |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |
| 10  | Basis              | 0.33 | OZ/A  | 14DPP | 95 | a 95 | a 95 | a 95 | a |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |      |      |   |
|     | COC                | 1    | % V/V | 14DPP |    |      |      |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |
| 11  | Basis              | 0.66 | OZ/A  | 14DPP | 95 | a 93 | a 93 | a 95 | a |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |      |      |   |
|     | COC                | 1    | % V/V | 14DPP |    |      |      |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |
| 12  | Basis              | 1    | OZ/A  | 14DPP | 95 | a 92 | a 92 | a 93 | a |
|     | Atrazine           | 1    | QT/A  | 14DPP |    |      |      |      |   |
|     | COC                | 1    | % V/V | 14DPP |    |      |      |      |   |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |
| 13  | Harness Xtra       | 1.5  | QT/A  | PRE   | 95 | a 95 | a 95 | a 95 | a |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |
| 14  | Cinch ATZ          | 1.5  | PT/A  | PRE   | 95 | a 95 | a 95 | a 95 | a |
|     | Steadfast          | 0.75 | OZ/A  | V2-V4 |    |      |      |      |   |
|     | Callisto           | 1.5  | OZ/A  | V2-V4 |    |      |      |      |   |
|     | Atrazine           | 1.5  | PT/A  | V2-V4 |    |      |      |      |   |
|     | COC                | 1    | % V/V | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |
| 15  | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 95 | a 95 | a 95 | a 95 | a |
|     | DPX-E9636          | 1    | OZ/A  | V2-V4 |    |      |      |      |   |
|     | Atrazine           | 2    | QT/A  | V2-V4 |    |      |      |      |   |
|     | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |    |      |      |      |   |
|     | AMS                | 2    | LB/A  | V2-V4 |    |      |      |      |   |

LSU Northeast Research Station

|                    |          |          |          |          |
|--------------------|----------|----------|----------|----------|
| Weed Code          | AMARE    | AMARE    | AMARE    | SIDSP    |
| Crop Code          |          |          |          |          |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | CONTROL  |
| Rating Unit        | %        | %        | %        | %        |
| Rating Date        | 5/12/05  | 5/26/05  | 7/25/05  | 5/26/05  |
| Trt-Eval Interval  | 9 DA-C   | 23 DA-C  | 83 DA-C  | 23 DA-C  |
| ARM Action Codes   |          |          |          |          |
| # Subsamples, Dec. |          |          |          |          |

| Trt              | Treatment          | Rate | Unit  | Grow  | 21  | 22     | 23     | 24    |   |
|------------------|--------------------|------|-------|-------|-----|--------|--------|-------|---|
| No.              | Name               |      |       | Stg   |     |        |        |       |   |
| 16               | Basis              | 0.5  | OZ/A  | PRE   | 95  | a 95   | a 95   | a 95  | a |
|                  | COC                | 1    | % V/V | PRE   |     |        |        |       |   |
|                  | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |        |        |       |   |
|                  | DPX-E9636          | 1    | OZ/A  | V2-V4 |     |        |        |       |   |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |     |        |        |       |   |
|                  | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |     |        |        |       |   |
|                  | AMS                | 2    | LB/A  | V2-V4 |     |        |        |       |   |
| 17               | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 95  | a 95   | a 95   | a 95  | a |
|                  | Atrazine           | 2    | QT/A  | V2-V4 |     |        |        |       |   |
|                  | AMS                | 2    | LB/A  | V2-V4 |     |        |        |       |   |
| 18               | nontreated         |      |       |       | 0   | b 0    | b 0    | b 0   | c |
| LSD (P=.05)      |                    |      |       |       | 0.0 | 14.0   | 13.9   | 8.5   |   |
| Bartlett's X2    |                    |      |       |       | 0.0 | 19.237 | 18.009 | 8.814 |   |
| P(Bartlett's X2) |                    |      |       |       | .   | 0.014* | 0.021* | 0.066 |   |

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          | SIDSP    | SEBEX    | SEBEX    | ZEAMX   |
| Crop Code          |          |          |          |         |
| Part Rated         | PLATOT P | PLATOT P | PLATOT P | GRAIN C |
| Rating Data Type   | CONTROL  | CONTROL  | CONTROL  | Lb/plt  |
| Rating Unit        | %        | %        | %        | 13% Mst |
| Rating Date        | 7/25/05  | 5/26/05  | 7/25/05  | 9/8/05  |
| Trt-Eval Interval  | 83 DA-C  | 23 DA-C  | 83 DA-C  |         |
| ARM Action Codes   |          |          |          |         |
| # Subsamples, Dec. |          |          |          |         |

| Trt | Treatment          | Rate  | Unit  | Grow  | 25 | 26    | 27    | 28    |    |
|-----|--------------------|-------|-------|-------|----|-------|-------|-------|----|
| No. | Name               | Rate  | Unit  | Stg   |    |       |       |       |    |
| 1   | Roundup Weathermax | 22    | OZ/A  | V2-V4 | 88 | ab 88 | ab 90 | ab 6  | g  |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 2   | Roundup Weathermax | 22    | OZ/A  | V2-V4 | 95 | a 92  | ab 92 | ab 17 | a  |
|     | DPX-E9636          | 1     | OZ/A  | V2-V4 |    |       |       |       |    |
|     | DPX-X4145          | 0.25  | OZ/A  | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 3   | Roundup Weathermax | 22    | OZ/A  | V2-V4 | 95 | a 95  | a 95  | a 16  | ab |
|     | DPX-E9636          | 1     | OZ/A  | V2-V4 |    |       |       |       |    |
|     | Harmony GT         | 0.063 | OZ/A  | V2-V4 |    |       |       |       |    |
|     | DPX-X4145          | 0.25  | OZ/A  | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 4   | Roundup Weathermax | 22    | OZ/A  | V2-V4 | 95 | a 95  | a 95  | a 12  | cd |
|     | DPX-E9636          | 1     | OZ/A  | V2-V4 |    |       |       |       |    |
|     | Clarity            | 4     | OZ/A  | V2-V4 |    |       |       |       |    |
|     | DPX-X4145          | 0.25  | OZ/A  | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 5   | Roundup Weathermax | 22    | OZ/A  | V2-V4 | 87 | ab 92 | ab 90 | ab 14 | bc |
|     | Harnes             | 1.5   | PT/A  | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 6   | Steadfast          | 0.75  | OZ/A  | V2-V4 | 82 | b 83  | b 83  | b 16  | ab |
|     | Callisto           | 1.5   | OZ/A  | V2-V4 |    |       |       |       |    |
|     | Atrazine           | 1.5   | PT/A  | V2-V4 |    |       |       |       |    |
|     | COC                | 1     | % V/V | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 7   | Basis              | 0.33  | OZ/A  | PRE   | 95 | a 95  | a 95  | a 12  | cd |
|     | Atrazine           | 1     | QT/A  | PRE   |    |       |       |       |    |
|     | COC                | 1     | % V/V | PRE   |    |       |       |       |    |
|     | Roundup Weathermax | 22    | OZ/A  | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |
| 8   | Basis              | 0.66  | OZ/A  | PRE   | 95 | a 95  | a 95  | a 13  | cd |
|     | Atrazine           | 1     | QT/A  | PRE   |    |       |       |       |    |
|     | COC                | 1     | % V/V | PRE   |    |       |       |       |    |
|     | Roundup Weathermax | 22    | OZ/A  | V2-V4 |    |       |       |       |    |
|     | AMS                | 2     | LB/A  | V2-V4 |    |       |       |       |    |

LSU Northeast Research Station

| Weed Code             | SIDSP    | SEBEX    | SEBEX    | ZEAMX   |    |    |    |    |          |
|-----------------------|----------|----------|----------|---------|----|----|----|----|----------|
| Crop Code             | PLATOT P | PLATOT P | PLATOT P | GRAIN C |    |    |    |    |          |
| Part Rated            | CONTROL  | CONTROL  | CONTROL  | Lb/plt  |    |    |    |    |          |
| Rating Data Type      | %        | %        | %        | 13% Mst |    |    |    |    |          |
| Rating Unit           | 7/25/05  | 5/26/05  | 7/25/05  | 9/8/05  |    |    |    |    |          |
| Rating Date           | 83 DA-C  | 23 DA-C  | 83 DA-C  |         |    |    |    |    |          |
| Trt-Eval Interval     |          |          |          |         |    |    |    |    |          |
| ARM Action Codes      |          |          |          |         |    |    |    |    |          |
| # Subsamples, Dec.    |          |          |          |         |    |    |    |    |          |
| Trt Treatment         | Rate     | Unit     | Stg      | Grow    | 25 | 26 | 27 | 28 |          |
| No. Name              | Rate     | Unit     | Stg      | Grow    | 25 | 26 | 27 | 28 |          |
| 9 Basis               | 1        | OZ/A     | PRE      | 93      | a  | 93 | a  | 93 | a 11 de  |
| Atrazine              | 1        | QT/A     | PRE      |         |    |    |    |    |          |
| COC                   | 1        | % V/V    | PRE      |         |    |    |    |    |          |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |
| 10 Basis              | 0.33     | OZ/A     | 14DPP    | 95      | a  | 95 | a  | 95 | a 12 cd  |
| Atrazine              | 1        | QT/A     | 14DPP    |         |    |    |    |    |          |
| COC                   | 1        | % V/V    | 14DPP    |         |    |    |    |    |          |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |
| 11 Basis              | 0.66     | OZ/A     | 14DPP    | 95      | a  | 95 | a  | 95 | a 12 cd  |
| Atrazine              | 1        | QT/A     | 14DPP    |         |    |    |    |    |          |
| COC                   | 1        | % V/V    | 14DPP    |         |    |    |    |    |          |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |
| 12 Basis              | 1        | OZ/A     | 14DPP    | 93      | a  | 93 | a  | 93 | a 9 fg   |
| Atrazine              | 1        | QT/A     | 14DPP    |         |    |    |    |    |          |
| COC                   | 1        | % V/V    | 14DPP    |         |    |    |    |    |          |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |
| 13 Harness Xtra       | 1.5      | QT/A     | PRE      | 95      | a  | 95 | a  | 95 | a 12 cd  |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |
| 14 Cinch ATZ          | 1.5      | PT/A     | PRE      | 95      | a  | 95 | a  | 95 | a 11 def |
| Steadfast             | 0.75     | OZ/A     | V2-V4    |         |    |    |    |    |          |
| Callisto              | 1.5      | OZ/A     | V2-V4    |         |    |    |    |    |          |
| Atrazine              | 1.5      | PT/A     | V2-V4    |         |    |    |    |    |          |
| COC                   | 1        | % V/V    | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |
| 15 Roundup Weathermax | 22       | OZ/A     | V2-V4    | 95      | a  | 95 | a  | 95 | a 9 ef   |
| DPX-E9636             | 1        | OZ/A     | V2-V4    |         |    |    |    |    |          |
| Atrazine              | 2        | QT/A     | V2-V4    |         |    |    |    |    |          |
| DPX-X4145             | 0.25     | OZ/A     | V2-V4    |         |    |    |    |    |          |
| AMS                   | 2        | LB/A     | V2-V4    |         |    |    |    |    |          |

LSU Northeast Research Station

| Weed Code             | SIDSP    | SEBEX    | SEBEX    | ZEAMX                |
|-----------------------|----------|----------|----------|----------------------|
| Crop Code             | PLATOT P | PLATOT P | PLATOT P | GRAIN C              |
| Part Rated            | CONTROL  | CONTROL  | CONTROL  | Lb/plt               |
| Rating Data Type      | %        | %        | %        | 13% Mst              |
| Rating Unit           | 7/25/05  | 5/26/05  | 7/25/05  | 9/8/05               |
| Trt-Eval Interval     | 83 DA-C  | 23 DA-C  | 83 DA-C  |                      |
| ARM Action Codes      |          |          |          |                      |
| # Subsamples, Dec.    |          |          |          |                      |
| Trt Treatment         | Rate     | Unit     | Grow     |                      |
| No. Name              | Rate     | Unit     | Stg      | 25 26 27 28          |
| 16 Basis              | 0.5      | OZ/A     | PRE      | 95 a 95 a 95 a 13 cd |
| COC                   | 1        | % V/V    | PRE      |                      |
| Roundup Weathermax    | 22       | OZ/A     | V2-V4    |                      |
| DPX-E9636             | 1        | OZ/A     | V2-V4    |                      |
| Atrazine              | 2        | QT/A     | V2-V4    |                      |
| DPX-X4145             | 0.25     | OZ/A     | V2-V4    |                      |
| AMS                   | 2        | LB/A     | V2-V4    |                      |
| 17 Roundup Weathermax | 22       | OZ/A     | V2-V4    | 95 a 95 a 95 a 11 de |
| Atrazine              | 2        | QT/A     | V2-V4    |                      |
| AMS                   | 2        | LB/A     | V2-V4    |                      |
| 18 nontreated         |          |          |          | 0 c 0 c 0 c 1 h      |
| LSD (P=.05)           | 9.4      |          |          | 8.7 8.7 2.5          |
| Bartlett's X2         | 9.779    |          |          | 10.962 11.202 13.99  |
| P(Bartlett's X2)      | 0.044*   |          |          | 0.052 0.048* 0.668   |

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  
 Crop Code ZEAMX  
 Part Rated GRAIN C  
 Rating Data Type YIELD  
 Rating Unit BU  
 Rating Date 9/8/05  
 Trt-Eval Interval  
 ARM Action Codes TY1  
 # Subsamples, Dec. 0

| Trt No. | Treatment Name     | Rate  | Unit  | Grow Stg | 29  |    |
|---------|--------------------|-------|-------|----------|-----|----|
| 1       | Roundup Weathermax | 22    | OZ/A  | V2-V4    | 40  | g  |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 2       | Roundup Weathermax | 22    | OZ/A  | V2-V4    | 107 | a  |
|         | DPX-E9636          | 1     | OZ/A  | V2-V4    |     |    |
|         | DPX-X4145          | 0.25  | OZ/A  | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 3       | Roundup Weathermax | 22    | OZ/A  | V2-V4    | 103 | ab |
|         | DPX-E9636          | 1     | OZ/A  | V2-V4    |     |    |
|         | Harmony GT         | 0.063 | OZ/A  | V2-V4    |     |    |
|         | DPX-X4145          | 0.25  | OZ/A  | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 4       | Roundup Weathermax | 22    | OZ/A  | V2-V4    | 77  | cd |
|         | DPX-E9636          | 1     | OZ/A  | V2-V4    |     |    |
|         | Clarity            | 4     | OZ/A  | V2-V4    |     |    |
|         | DPX-X4145          | 0.25  | OZ/A  | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 5       | Roundup Weathermax | 22    | OZ/A  | V2-V4    | 88  | bc |
|         | Harnes             | 1.5   | PT/A  | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 6       | Steadfast          | 0.75  | OZ/A  | V2-V4    | 103 | ab |
|         | Callisto           | 1.5   | OZ/A  | V2-V4    |     |    |
|         | Atrazine           | 1.5   | PT/A  | V2-V4    |     |    |
|         | COC                | 1     | % V/V | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 7       | Basis              | 0.33  | OZ/A  | PRE      | 75  | cd |
|         | Atrazine           | 1     | QT/A  | PRE      |     |    |
|         | COC                | 1     | % V/V | PRE      |     |    |
|         | Roundup Weathermax | 22    | OZ/A  | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |
| 8       | Basis              | 0.66  | OZ/A  | PRE      | 80  | cd |
|         | Atrazine           | 1     | QT/A  | PRE      |     |    |
|         | COC                | 1     | % V/V | PRE      |     |    |
|         | Roundup Weathermax | 22    | OZ/A  | V2-V4    |     |    |
|         | AMS                | 2     | LB/A  | V2-V4    |     |    |

## LSU Northeast Research Station

Weed Code  
 Crop Code ZEAMX  
 Part Rated GRAIN C  
 Rating Data Type YIELD  
 Rating Unit BU  
 Rating Date 9/8/05  
 Trt-Eval Interval  
 ARM Action Codes TY1  
 # Subsamples, Dec. 0

| Trt | Treatment          | Rate | Unit  | Grow  | Stg | 29 |     |
|-----|--------------------|------|-------|-------|-----|----|-----|
| 9   | Basis              | 1    | OZ/A  | PRE   | 71  |    | de  |
|     | Atrazine           | 1    | QT/A  | PRE   |     |    |     |
|     | COC                | 1    | % V/V | PRE   |     |    |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |
| 10  | Basis              | 0.33 | OZ/A  | 14DPP | 75  |    | cd  |
|     | Atrazine           | 1    | QT/A  | 14DPP |     |    |     |
|     | COC                | 1    | % V/V | 14DPP |     |    |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |
| 11  | Basis              | 0.66 | OZ/A  | 14DPP | 75  |    | cd  |
|     | Atrazine           | 1    | QT/A  | 14DPP |     |    |     |
|     | COC                | 1    | % V/V | 14DPP |     |    |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |
| 12  | Basis              | 1    | OZ/A  | 14DPP | 54  |    | fg  |
|     | Atrazine           | 1    | QT/A  | 14DPP |     |    |     |
|     | COC                | 1    | % V/V | 14DPP |     |    |     |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |
| 13  | Harness Xtra       | 1.5  | QT/A  | PRE   | 75  |    | cd  |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |
| 14  | Cinch ATZ          | 1.5  | PT/A  | PRE   | 67  |    | def |
|     | Steadfast          | 0.75 | OZ/A  | V2-V4 |     |    |     |
|     | Callisto           | 1.5  | OZ/A  | V2-V4 |     |    |     |
|     | Atrazine           | 1.5  | PT/A  | V2-V4 |     |    |     |
|     | COC                | 1    | % V/V | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |
| 15  | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 57  |    | ef  |
|     | DPX-E9636          | 1    | OZ/A  | V2-V4 |     |    |     |
|     | Atrazine           | 2    | QT/A  | V2-V4 |     |    |     |
|     | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |     |    |     |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |     |

## LSU Northeast Research Station

|                    |         |
|--------------------|---------|
| Weed Code          |         |
| Crop Code          | ZEAMX   |
| Part Rated         | GRAIN C |
| Rating Data Type   | YIELD   |
| Rating Unit        | BU      |
| Rating Date        | 9/8/05  |
| Trt-Eval Interval  |         |
| ARM Action Codes   | TY1     |
| # Subsamples, Dec. | 0       |

---

| Trt | Treatment          | Rate | Unit  | Grow  | Stg | 29 |  |
|-----|--------------------|------|-------|-------|-----|----|--|
| 16  | Basis              | 0.5  | OZ/A  | PRE   | 82  | cd |  |
|     | COC                | 1    | % V/V | PRE   |     |    |  |
|     | Roundup Weathermax | 22   | OZ/A  | V2-V4 |     |    |  |
|     | DPX-E9636          | 1    | OZ/A  | V2-V4 |     |    |  |
|     | Atrazine           | 2    | QT/A  | V2-V4 |     |    |  |
|     | DPX-X4145          | 0.25 | OZ/A  | V2-V4 |     |    |  |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |  |
| 17  | Roundup Weathermax | 22   | OZ/A  | V2-V4 | 71  | de |  |
|     | Atrazine           | 2    | QT/A  | V2-V4 |     |    |  |
|     | AMS                | 2    | LB/A  | V2-V4 |     |    |  |
| 18  | nontreated         |      |       |       | 8   | h  |  |

---

|                  |       |
|------------------|-------|
| LSD (P=.05)      | 15.5  |
| Bartlett's X2    | 13.99 |
| P(Bartlett's X2) | 0.668 |

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 29: TY1 = 6.28233\*[28]