

Tank-Mixtures of AE 0172747 with Option and Accent - Carbondale.

Project Code: 06-ARC-12B Location: Agronomy Research Center
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Carbondale IL 62901 USA
Trial Status: Final Updated: 11-6-06**Objective:**

Evaluate the benefit of Option and Accent tank-mixtures with AE 0172747 for grass efficacy, specifically broadleaf signalgrass or fall panicum.

| Weed Code | Common Name | Scientific Name |
|-----------|-----------------------|--------------------------------|
| 1. PANDI | panicum, fall | Panicum dichotomiflorum Michx. |
| 2. SETFA | foxtail, giant | Setaria faberi Herrm. |
| 3. IPOHE | morningglory, ivyleaf | Ipomoea hederacea (L.) Jacq. |
| 4. AMATA | waterhemp, common | Amaranthus rudis Sauer |

| | | | |
|------------------|-------------------|----------------|--------------|
| Crop 1: | ZEAMX corn, field | Variety: | P31G96 RR/HX |
| Planting Method: | Seeded | Planting Date: | 5-23-06 |
| Rate: | 28000 S/A | Depth: | 1.0 IN |
| Row Spacing: | 30 IN | | |

| | | | | | |
|--------------------------|---------------------------------------|--------------------|---------------------------|-------|---|
| Plot Width, Unit: | 10 FT | Plot Length, Unit: | 27 FT | Reps: | 3 |
| Tillage Type: | Reduced-Till | Study Design: | Randomized complete block | | |
| Field Prep./Maintenance: | N 158 LB/A, P205 46 LB/A, K20 60 LB/A | | | | |

| | | | | | | | |
|------------|-----------|--------------|--------------------------|-----|-----|------|-----|
| Soil Name: | Weir | % OM: | 1.5 | pH: | 6.7 | CEC: | 7.2 |
| Texture: | Silt loam | Fert. Level: | P1: 89 LB/A, K: 263 LB/A | | | | |

APPLICATION DESCRIPTION

| | |
|----------------------|----------|
| Application Date: | 6-14-06 |
| Time of Day: | 10:00 |
| Application Method: | Spray |
| Application Timing: | 4" GRASS |
| Applic. Placement: | BROFOL |
| Air Temp., Unit: | 78 F |
| % Relative Humidity: | 52 |
| Wind Velocity, Unit: | 3 MPH |
| Dew Presence (Y/N): | N |
| Soil Moisture: | BELNOR |
| % Cloud Cover: | 10 |

CROP STAGE AT EACH APPLICATION

| | |
|---------------------|----------|
| Crop 1 Code, Stage: | ZEAMX V4 |
| Height, Unit: | 8 IN |

WEED STAGE AT EACH APPLICATION

| | |
|------------------|--------|
| Weed 1 Code: | PANDI |
| Stage (leaves): | 2-6 |
| Height (inches): | 1-6 |
| Density: | Medium |
| Weed 2 Code: | SETFA |
| Stage (leaves): | 2-5 |
| Height (inches): | 1-5 |
| Density: | High |
| Weed 3 Code: | IPOHE |
| Stage (leaves): | 3-11 |
| Height (inches): | 2-4 |
| Density: | Medium |
| Weed 4 Code: | AMATA |
| Stage (leaves): | 4-20 |
| Height (inches): | 2-6 |
| Density: | Medium |

APPLICATION EQUIPMENT

| | |
|---------------------|-------------|
| Appl. Equipment: | CO2 sprayer |
| Operating Pressure: | 40 PSI |
| Nozzle Type: | Flat fan |
| Nozzle Size: | 8002 |
| Boom Length, Unit: | 7.5 FT |
| Spray Volume, Unit: | 20 GPA |

NOTES:

Tank-Mixtures of AE 0172747 with Option and Accent - Carbondale.

Project Code: 06-ARC-12B Location: Agronomy Research Center
Investigator: Bryan Young

| Weed Code | Crop Code | Rating Data Type | Rating Unit | Rating Date | Trt-Eval Interval | ZEAMX Injury Percent | ZEAMX Injury Percent | PANDI Control Percent | PANDI Control Percent | SETFA Control Percent | SETFA Control Percent | IPOHE Control Percent | IPOHE Control Percent |
|-----------|-----------|------------------|-------------|-------------|-------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | | | | | | 6-28-06 | 7-12-06 | 6-28-06 | 7-12-06 | 6-28-06 | 7-12-06 | 6-28-06 | 7-12-06 |
| | | | | | | 14 DA-A | 28 DA-A | 14 DA-A | 28 DA-A | 14 DA-A | 28 DA-A | 14 DA-A | 28 DA-A |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Prod Rate | Prod Unit | Grow Stg | Appl Code | | | | |
|---------|----------------|-----------|-----------|---------|-----------|-----------|-----------|----------|-----------|---|---|----|----|
| 1 | NONTREATED | | | | | | | | | 0 | 0 | 0 | 0 |
| 2 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 0 | 0 |
| 2 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 87 | 87 |
| 2 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | 72 | 73 |
| 3 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 10 | 0 |
| 3 | OPTION | 35 | WG | 0.0082 | lb ai/a | 0.375 | oz/a | 4"GRASS | A | | | 92 | 90 |
| 3 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 80 | 89 |
| 3 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 4 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 48 | 50 |
| 4 | OPTION | 35 | WG | 0.0164 | lb ai/a | 0.75 | oz/a | 4"GRASS | A | | | 90 | 86 |
| 4 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 79 | 83 |
| 4 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 5 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 86 | 87 |
| 5 | OPTION | 35 | WG | 0.0246 | lb ai/a | 1.125 | oz/a | 4"GRASS | A | | | 93 | 88 |
| 5 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 82 | 82 |
| 5 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 6 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 81 | 85 |
| 6 | OPTION | 35 | WG | 0.0328 | lb ai/a | 1.5 | oz/a | 4"GRASS | A | | | 91 | 87 |
| 6 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 84 | 84 |
| 6 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 7 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 67 | 73 |
| 7 | ACCENT | 75 | WG | 0.00586 | lb ai/a | 0.125 | oz/a | 4"GRASS | A | | | 87 | 84 |
| 7 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 86 | 87 |
| 7 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 8 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 75 | 81 |
| 8 | ACCENT | 75 | WG | 0.0117 | lb ai/a | 0.25 | oz/a | 4"GRASS | A | | | 93 | 90 |
| 8 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 96 | 91 |
| 8 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 9 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 73 | 83 |
| 9 | ACCENT | 75 | WG | 0.0176 | lb ai/a | 0.375 | oz/a | 4"GRASS | A | | | 90 | 90 |
| 9 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 92 | 91 |
| 9 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 10 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 91 | 90 |
| 10 | ACCENT | 75 | WG | 0.0234 | lb ai/a | 0.5 | oz/a | 4"GRASS | A | | | 93 | 92 |
| 10 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 94 | 93 |
| 10 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 11 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 0 | 0 |
| 11 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 98 | 97 |
| 11 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | 98 | 96 |
| 12 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 87 | 84 |
| 12 | OPTION | 35 | WG | 0.0082 | lb ai/a | 0.375 | oz/a | 4"GRASS | A | | | 91 | 90 |
| 12 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 95 | 89 |
| 12 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 13 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 84 | 85 |
| 13 | OPTION | 35 | WG | 0.0164 | lb ai/a | 0.75 | oz/a | 4"GRASS | A | | | 94 | 90 |
| 13 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 87 | 90 |
| 13 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 14 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 83 | 83 |
| 14 | OPTION | 35 | WG | 0.0246 | lb ai/a | 1.125 | oz/a | 4"GRASS | A | | | 90 | 89 |
| 14 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 84 | 87 |
| 14 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 15 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 83 | 89 |
| 15 | OPTION | 35 | WG | 0.0328 | lb ai/a | 1.5 | oz/a | 4"GRASS | A | | | 93 | 91 |
| 15 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 84 | 86 |
| 15 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |
| 16 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | 3 | fl oz/a | 4"GRASS | A | 0 | 0 | 87 | 82 |
| 16 | ACCENT | 75 | WG | 0.00586 | lb ai/a | 0.125 | oz/a | 4"GRASS | A | | | 90 | 89 |
| 16 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | 1 | % v/v | 4"GRASS | A | | | 87 | 90 |
| 16 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS | A | | | | |

Tank-Mixtures of AE 0172747 with Option and Accent - Carbondale.

Project Code: 06-ARC-12B Location: Agronomy Research Center
 Investigator: Bryan Young

| Weed Code | | Crop Code | | Rating Data Type | | Rating Unit | | Rating Date | | Trt-Eval Interval | | ZEAMX | ZEAMX | PANDI | PANDI | SETFA | SETFA | IPOHE | IPOHE |
|-------------------|----------------|-----------|-----------|------------------|-----------|-------------|-----------|-------------|-----------|-------------------|--------|---------|----------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | | | | Injury | Injury | Control | Control | Control | Control | Control | Control |
| | | | | | | | | | | | | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
| | | | | | | | | | | | | 6-28-06 | 7-12-06 | 6-28-06 | 7-12-06 | 6-28-06 | 7-12-06 | 6-28-06 | 7-12-06 |
| | | | | | | | | | | | | 14 DA-A | 28 DA-A | 14 DA-A | 28 DA-A | 14 DA-A | 28 DA-A | 14 DA-A | 28 DA-A |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Prod Rate | Prod Unit | Grow Stg | Appl Code | | | | | | | | | | |
| 17 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS | A | 0 | 0 | 87 | 86 | 94 | 92 | 91 | 91 | | |
| 17 | ACCENT | 75 | WG | 0.0117 | lb ai/a | 0.25 | oz/a | 4"GRASS | A | | | | | | | | | | |
| 17 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS | A | | | | | | | | | | |
| 17 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS | A | | | | | | | | | | |
| 18 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS | A | 0 | 0 | 88 | 90 | 92 | 93 | 87 | 90 | | |
| 18 | ACCENT | 75 | WG | 0.0176 | lb ai/a | 0.375 | oz/a | 4"GRASS | A | | | | | | | | | | |
| 18 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS | A | | | | | | | | | | |
| 18 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS | A | | | | | | | | | | |
| 19 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS | A | 0 | 0 | 90 | 91 | 97 | 95 | 94 | 95 | | |
| 19 | ACCENT | 75 | WG | 0.0234 | lb ai/a | 0.5 | oz/a | 4"GRASS | A | | | | | | | | | | |
| 19 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS | A | | | | | | | | | | |
| 19 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS | A | | | | | | | | | | |
| 20 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS | A | 0 | 0 | 0 | 0 | 99 | 99 | 99 | 99 | | |
| 20 | AATREX | 90 | WG | 0.5 | lb ai/a | 8.9 | oz/a | 4"GRASS | A | | | | | | | | | | |
| 20 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS | A | | | | | | | | | | |
| 20 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS | A | | | | | | | | | | |
| LSD (P=.05) | | | | | | | | | | 0.0 | 0.0 | 4.3 | 2.8 | 4.0 | 3.7 | 5.3 | 4.4 | | |
| Replicate F | | | | | | | | | | 0.000 | 0.000 | 0.536 | 0.843 | 0.764 | 5.508 | 0.688 | 0.393 | | |
| Replicate Prob(F) | | | | | | | | | | 1.0000 | 1.0000 | 0.5894 | 0.4383 | 0.4727 | 0.0079 | 0.5088 | 0.6778 | | |
| Treatment F | | | | | | | | | | 0.000 | 0.000 | 578.132 | 1469.315 | 219.519 | 251.536 | 126.022 | 175.852 | | |
| Treatment Prob(F) | | | | | | | | | | 1.0000 | 1.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | | |

Tank-Mixtures of AE 0172747 with Option and Accent - Carbondale.

Project Code: 06-ARC-12B Location: Agronomy Research Center
 Investigator: Bryan Young

| | | |
|-------------------|---------|---------|
| Weed Code | AMATA | AMATA |
| Crop Code | | |
| Rating Data Type | Control | Control |
| Rating Unit | Percent | Percent |
| Rating Date | 6-28-06 | 7-12-06 |
| Trt-Eval Interval | 14 DA-A | 28 DA-A |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Prod Rate | Prod Unit | Grow Stg | Appl Code | | |
|---------|----------------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|----|----|
| 1 | NONTREATED | | | | | | | | | 0 | 0 |
| 2 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 2 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 2 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 3 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 3 | OPTION | 35 | WG | 0.0082 | lb ai/a | 0.375 | oz/a | 4"GRASS A | | | |
| 3 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 3 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 4 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 4 | OPTION | 35 | WG | 0.0164 | lb ai/a | 0.75 | oz/a | 4"GRASS A | | | |
| 4 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 4 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 5 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 5 | OPTION | 35 | WG | 0.0246 | lb ai/a | 1.125 | oz/a | 4"GRASS A | | | |
| 5 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 5 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 6 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 6 | OPTION | 35 | WG | 0.0328 | lb ai/a | 1.5 | oz/a | 4"GRASS A | | | |
| 6 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 6 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 7 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 7 | ACCENT | 75 | WG | 0.00586 | lb ai/a | 0.125 | oz/a | 4"GRASS A | | | |
| 7 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 7 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 8 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 8 | ACCENT | 75 | WG | 0.0117 | lb ai/a | 0.25 | oz/a | 4"GRASS A | | | |
| 8 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 8 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 9 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 9 | ACCENT | 75 | WG | 0.0176 | lb ai/a | 0.375 | oz/a | 4"GRASS A | | | |
| 9 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 9 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 10 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 10 | ACCENT | 75 | WG | 0.0234 | lb ai/a | 0.5 | oz/a | 4"GRASS A | | | |
| 10 | PRIME OIL COC | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 10 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 11 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 11 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 11 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 12 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 12 | OPTION | 35 | WG | 0.0082 | lb ai/a | 0.375 | oz/a | 4"GRASS A | | | |
| 12 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 12 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 13 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 13 | OPTION | 35 | WG | 0.0164 | lb ai/a | 0.75 | oz/a | 4"GRASS A | | | |
| 13 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 13 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 14 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 14 | OPTION | 35 | WG | 0.0246 | lb ai/a | 1.125 | oz/a | 4"GRASS A | | | |
| 14 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 14 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 15 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 15 | OPTION | 35 | WG | 0.0328 | lb ai/a | 1.5 | oz/a | 4"GRASS A | | | |
| 15 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 15 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |
| 16 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 16 | ACCENT | 75 | WG | 0.00586 | lb ai/a | 0.125 | oz/a | 4"GRASS A | | | |
| 16 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 16 | 28% UAN | 100 | LIQ | 2.5 | % v/v | 2.5 | % v/v | 4"GRASS A | | | |

Tank-Mixtures of AE 0172747 with Option and Accent - Carbondale.

Project Code: 06-ARC-12B Location: Agronomy Research Center
 Investigator: Bryan Young

| | | |
|-------------------|---------|---------|
| Weed Code | AMATA | AMATA |
| Crop Code | | |
| Rating Data Type | Control | Control |
| Rating Unit | Percent | Percent |
| Rating Date | 6-28-06 | 7-12-06 |
| Trt-Eval Interval | 14 DA-A | 28 DA-A |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Prod Rate | Prod Unit | Grow Stg | Appl Code | | |
|-------------------|----------------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|--------|
| 17 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 17 | ACCENT | 75 | WG | 0.0117 | lb ai/a | 0.25 | oz/a | 4"GRASS A | | | |
| 17 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 17 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS A | | | |
| 18 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 18 | ACCENT | 75 | WG | 0.0176 | lb ai/a | 0.375 | oz/a | 4"GRASS A | | | |
| 18 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 18 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS A | | | |
| 19 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 19 | ACCENT | 75 | WG | 0.0234 | lb ai/a | 0.5 | oz/a | 4"GRASS A | | | |
| 19 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 19 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS A | | | |
| 20 | AE 0172747 | 5.25 | SC | 0.123 | lb ai/a | | 3 fl oz/a | 4"GRASS A | | 99 | 99 |
| 20 | AATREX | 90 | WG | 0.5 | lb ai/a | 8.9 | oz/a | 4"GRASS A | | | |
| 20 | DESTINY MSO | 100 | LIQ | 1.0 | % v/v | | 1 % v/v | 4"GRASS A | | | |
| 20 | 28% UAN | 100 | LIQ | 2.5 | % v/v | | 2.5 % v/v | 4"GRASS A | | | |
| LSD (P=.05) | | | | | | | | | | 0.0 | 0.0 |
| Replicate F | | | | | | | | | | 0.000 | 0.000 |
| Replicate Prob(F) | | | | | | | | | | 1.0000 | 1.0000 |
| Treatment F | | | | | | | | | | 0.000 | 0.000 |
| Treatment Prob(F) | | | | | | | | | | 1.0000 | 1.0000 |

Trial Comments

1. Protocol: Bayer, Waddington.
2. Ratings: CI/WC 14 + 28 DAT. Other evaluations may be necessary.
3. Target broadleaf signalgrass data.
4. DA-A = Days after 4"GRASS application.