

Purdue University

Winter annual burndown and summer annual residual study in no-till corn.

Trial ID: 06S-ACR-NTC-36
Location: ACRE

Study Dir.: Vince Davis
Investigator: Dr. William G. Johnson

GENERAL TRIAL INFORMATION

Study Director: Vince Davis **Title:** Research Associate
Affiliation: Purdue University
Postal Code: 47907
Investigator: Dr. William G. Johnson **Title:** Associate Professor
Affiliation: Purdue University
Postal Code: 47907

TRIAL LOCATION

City: West Lafayette
State/Prov.: Indiana
Postal Code: 47906
Country: USA
Directions: West end of block 102

COOPERATOR/LANDOWNER

Cooperator: Agronomy Center for Res. & Educ. **Country:** USA
Org: Purdue University **Phone No:** 765-463-2632
Address 1: 4540 U.S. 52 West
City: West Lafayette
State/Prov: IN
Postal Code: 47906

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: The objective of this study is to evaluate the efficacy of various herbicide programs on winter annual weeds and residual activity on summer annual weeds in no-till corn.

CROP AND WEED DESCRIPTION

| Weed | Code | Common Name | Scientific Name |
|------|-------|---------------------|-------------------------|
| 1. | STEME | Common chickweed | Stellaria media |
| 2. | SENGL | Cressleaf groundsel | Senecio glabellus |
| 3. | CAPBP | Shepherd's purse | Capsella bursa-pastoris |
| 4. | TAROF | Common dandelion | Taraxacum officinale |
| 5. | SETFA | Giant foxtail | Setaria faberi |
| 6. | AMBTR | Giant Ragweed | Ambrosia trifida |
| 7. | ERICA | Canada horseweed | Erigeron canadensis |

Crop 1: ZEAMX CORN, FIELD **Variety:** DKC 60-18 RR11/YGPL
Planting Date: 27/May/2006 **Planting Method:** DIRECT DRILLED
Rate: 30700 S/A **Depth:** 2 IN
Row Spacing: 30 IN **Soil Moisture:** NORMAL **Emergence Date:** 8/May/2006

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 30 FT **Reps:** 4
Site Type: FIELD
Tillage Type: NO-TILL **Study Design:** RANDOMIZED COMPLETE BLOCK

| | Previous Crops | Previous Pesticides | Year |
|----|----------------|---------------------|------|
| 1. | Soybean | Glyphosate | 2005 |

SOIL DESCRIPTION

% Sand: 35 **% OM:** 3 **Texture:** SILT LOAM
% Silt: 65 **pH:** 6.3 **Soil Name:** Raub
% Clay: 80 **CEC:** 19.0

ADDITIONAL MEASURED ELEMENTS

| Element | Quantity | Unit |
|-------------|----------|----------|
| Phosphorous | 44 | LBS/ACRE |
| Potassium | 193 | LBS/ACRE |
| Calcium | 4343 | LBS/ACRE |
| Magnesium | 1079 | LBS/ACRE |

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APPLICATION DESCRIPTION

| | A | B | C |
|----------------------|-------------|-------------|------------|
| Application Date: | 20/Apr/2006 | 22/May/2006 | 5/Jun/2006 |
| Time of Day: | 9:00 AM | 11:45 AM | 9:00 AM |
| Application Method: | Backpack | Backpack | SPRAY |
| Application Timing: | 14dEPP | EAPOWE | POSPOS |
| Applic. Placement: | BROFOL | BROFOL | BROFOL |
| Air Temp., Unit: | 66 F | 62 F | 69 F |
| % Relative Humidity: | 52 | 75 | 71 |
| Wind Velocity, Unit: | Calm | 3 MPH | 2 MPH |
| Dew Presence (Y/N): | Y | N | N |
| Water Hardness: | Very Hard | Very Hard | Very Hard |
| Soil Temp., Unit: | 56 F | 54 F | 65 F |
| Soil Moisture: | Moist | Moist | ADEQUATE |
| % Cloud Cover: | 30 | 0 | |

CROP STAGE AT EACH APPLICATION

| | A | B | C |
|---------------------|-------|--------|-------|
| Crop 1 Code, Stage: | ZEAMX | ZEAMX | ZEAMX |
| Stage Scale: | n/a | V 1-2 | V 4 |
| Height, Unit: | | 3.5 IN | |

WEED STAGE AT EACH APPLICATION

| | A | B | C |
|---------------------|-----------|-----------|-----------|
| Weed 1 Code, Stage: | STEME | STEME | STEME |
| Stage Scale: | 3-4"flowe | | |
| Density, Unit: | 95% cover | | |
| Weed 2 Code, Stage: | SENGL | SENGL | SENGL |
| Stage Scale: | 3-5"flowe | | |
| Density, Unit: | 10 YD2 | | |
| Weed 3 Code, Stage: | CAPBP | CAPBP | CAPBP |
| Stage Scale: | 12-18"f1o | | |
| Density, Unit: | 2 YD2 | | |
| Weed 4 Code, Stage: | TAROF | TAROF | TAROF |
| Stage Scale: | | | 1-4" |
| Density, Unit: | | | 15 YD2 |
| Weed 5 Code, Stage: | SETFA | SETFA | SETFA |
| Stage Scale: | | 2-3" | 1-6" |
| Density, Unit: | | 32 YD2 | 5 YD2 |
| Weed 6 Code, Stage: | AMBTR | AMBTR | AMBTR |
| Stage Scale: | | 2-4" | 1-12" |
| Density, Unit: | | 1 YD2 | 5 YD2 |
| Weed 7 Code, Stage: | ERICA | ERICA | ERICA |
| Stage Scale: | | cotyledon | 3" Rosett |
| Density, Unit: | | 10 YD2 | 5 YD2 |

APPLICATION EQUIPMENT

| | A | B | C |
|-----------------------|----------|----------|-----------|
| Appl. Equipment: | Backpack | Backpack | 3pt-spray |
| Operating Pressure: | 15psi | 15psi | 27 |
| Nozzle Type: | XR | XR | XR |
| Nozzle Size: | 11002 | 11002 | 8004 |
| Nozzle Spacing, Unit: | 15 IN | 15 IN | 20 IN |
| Boom Length, Unit: | 10 FT | 10 FT | 15 FT |
| Boom Height, Unit: | 15 IN | 15 IN | 42 IN |
| Ground Speed, Unit: | 3 MPH | 3 MPH | 6 MPH |
| Carrier: | Water | Water | Water |
| Spray Volume, Unit: | 15 GPA | 15 GPA | 20 GPA |
| Propellant: | CO2 | CO2 | PTO Pump |

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Trial ID: 06S-ACR-NTC-36
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Trial Comments

Corn shows hail and frost injury-WGJ 5-22-06

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Trial ID: 06S-ACR-NTC-36
 Location: ACRE

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| | | | | | | | | | ZEAMX CROP INJURY % 8/May/2006 0 0-0" | STEME CONTRO % 8/May/2006 FLOWER 95 % GC | SENGL CONTRO % 8/May/2006 FLOWER 10 YD2 | TAROF CONTRO % 8/May/2006 FLOWER 2 YD2 | CAPBP CONTRO % 8/May/2006 SEEDSET 10 YD2 | ZEAMX CROP INJURY % 22/May/2006 V1 WGJ + VAM |
|---------|----------------------|--------|---------|--------------|-------------------|----------|-----------|--|--|---|--|---|---|---|
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | non-treated check | | | | | | | 101 504 705 904 Mean = | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 102 | 0 | 99 | 100 | 99 | 100 | 0 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 506 | 0 | 100 | 100 | 35 | 100 | 0 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | 703 | 0 | 100 | 100 | 90 | 95 | 0 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 907 | 0 | 100 | 100 | 75 | 100 | 0 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 100 | 75 | 99 | 0 |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | 103 | 0 | 100 | 100 | 70 | 99 | 0 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 401 | 0 | 100 | 100 | 75 | 100 | 0 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | 605 | 0 | 100 | 100 | 95 | 100 | 0 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 803 | 0 | 100 | 100 | 90 | 100 | 0 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 100 | 83 | 100 | 0 |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 104 | 0 | 88 | 35 | 50 | 50 | 0 |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | 306 | 0 | 95 | 50 | 70 | 85 | 0 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | 602 | 0 | 93 | 80 | 80 | 70 | 0 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 805 | 0 | 80 | 20 | 50 | 95 | 0 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 89 | 46 | 63 | 75 | 0 |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 105 | 0 | 100 | 100 | 60 | 50 | 0 |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | 304 | 0 | 100 | 100 | 80 | 70 | 0 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 706 | 0 | 100 | 100 | 55 | 95 | 0 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | 902 | 0 | 100 | 100 | 65 | 75 | 0 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 100 | 65 | 73 | 0 |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 106 | 0 | 100 | 100 | 90 | 100 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 405 | 0 | 100 | 100 | 70 | 70 | 0 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | 707 | 0 | 100 | 98 | 65 | 95 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 903 | 0 | 100 | 80 | 60 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 95 | 71 | 91 | 0 |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 107 | 0 | 100 | 100 | 80 | 90 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 406 | 0 | 100 | 93 | 100 | 100 | 0 |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | 603 | 0 | 100 | 95 | 70 | 100 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 1001 | 0 | 100 | 100 | 65 | 90 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 97 | 79 | 95 | 0 |

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| Weed Code Crop Code Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Assessed By | | | | | | | | | ZEAMX CROP INJURY % 8/May/2006 0 0-0" | STEME CONTRO % 8/May/2006 FLOWER 95 % GC | SENGL CONTRO % 8/May/2006 FLOWER 10 YD2 | TAROF CONTRO % 8/May/2006 FLOWER 2 YD2 | CAPBP CONTRO % 8/May/2006 SEEDSET 10 YD2 | ZEAMX CROP INJURY % 22/May/2006 V1 WGJ + VAM |
|---|----------------------|-------|---------|---------|------------|---------|------|------|--|---|--|---|---|---|
| Tri | Treatment | Rate | Rate | Product | Product | Grow | Appl | Plot | 1 | 2 | 3 | 4 | 5 | 6 |
| No. | Name | Rate | Unit | Rate | Unit | Stg | Code | | | | | | | |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 201 | 0 | 100 | 100 | 95 | 100 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 307 | 0 | 100 | 95 | 55 | 95 | 0 |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | 704 | 0 | 100 | 95 | 55 | 100 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 806 | 0 | 100 | 90 | 70 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 95 | 69 | 99 | 0 |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 202 | 0 | 100 | 100 | 95 | 90 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 501 | 0 | 100 | 95 | 60 | 95 | 0 |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | 702 | 0 | 100 | 95 | 85 | 88 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 804 | 0 | 100 | 95 | 80 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 96 | 80 | 93 | 0 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 203 | 0 | 100 | 100 | 90 | 90 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 502 | 0 | 100 | 100 | 90 | 95 | 0 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | 802 | 0 | 100 | 95 | 95 | 100 | 0 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 1005 | 0 | 100 | 93 | 85 | 100 | 0 |
| | Mean = | | | | | | | | 0 | 100 | 97 | 90 | 96 | 0 |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 204 | 0 | 100 | 100 | 75 | 65 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 305 | 0 | 100 | 100 | 50 | 95 | 0 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 604 | 0 | 100 | 95 | 70 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 1003 | 0 | 100 | 95 | 80 | 100 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 98 | 69 | 90 | 0 |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 205 | 0 | 100 | 100 | 85 | 85 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 505 | 0 | 100 | 100 | 30 | 100 | 0 |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | 606 | 0 | 100 | 98 | 55 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 901 | 0 | 100 | 100 | 75 | 90 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 100 | 61 | 94 | 0 |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 206 | 0 | 100 | 100 | 85 | 85 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 404 | 0 | 100 | 95 | 90 | 90 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 701 | 0 | 100 | 100 | 85 | 88 | 0 |
| | | | | | | | | 807 | 0 | 100 | 85 | 60 | 100 | 0 |
| | Mean = | | | | | | | | 0 | 100 | 95 | 80 | 91 | 0 |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 207 | 0 | 100 | 100 | 90 | 100 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 403 | 0 | 100 | 100 | 65 | 100 | 0 |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | 607 | 0 | 100 | 95 | 85 | 100 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 1002 | 0 | 100 | 100 | 80 | 60 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 99 | 80 | 90 | 0 |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 301 | 0 | 100 | 100 | 95 | 100 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 402 | 0 | 100 | 100 | 90 | 90 | 0 |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | 507 | 0 | 100 | 98 | 80 | 100 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 906 | 0 | 100 | 100 | 90 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 0 | 100 | 100 | 89 | 98 | 0 |

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| Weed Code | | | | | | | | | ZEAMX | STEME | SENGL | TAROF | CAPBP | ZEAMX |
|--------------------|-------------------|------|-----------|--------------|-------------------|----------|-----------|--------|-------------|------------|------------|------------|------------|-------------|
| Crop Code | | | | | | | | | CROP INJURY | CONTRO | CONTRO | CONTRO | CONTRO | CROP INJURY |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | | 8/May/2006 | 8/May/2006 | 8/May/2006 | 8/May/2006 | 8/May/2006 | 22/May/2006 |
| Rating Date | | | | | | | | | | | | | | V1 |
| Crop Stage | | | | | | | | | 0 | | | | | |
| Crop Stage Scale | | | | | | | | | 0-0" | | | | | |
| Weed Stage | | | | | | | | | | FLOWER | FLOWER | FLOWER | SEEDSET | |
| Weed Density, Unit | | | | | | | | | | 95 % GC | 10 YD2 | 2 YD2 | 10 YD2 | |
| Assessed By | | | | | | | | | | | | | | WGJ + VAM |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 1 | 2 | 3 | 4 | 5 | 6 |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 302 | 0 | 95 | 100 | 85 | 100 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 503 | 0 | 100 | 100 | 75 | 95 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | 601 | 0 | 100 | 100 | 85 | 95 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | 1004 | 0 | 100 | 95 | 100 | 100 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 0 | 99 | 99 | 86 | 98 | 0 |
| 17 | non-treated check | | | | | | | 303 | 0 | 100 | 100 | 65 | 95 | 0 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 407 | 0 | 100 | 100 | 88 | 98 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 801 | 0 | 100 | 100 | 95 | 100 | 0 |
| | | | | | | | | 905 | 0 | 100 | 100 | 80 | 100 | 0 |
| | | | | | | | | Mean = | 0 | 100 | 100 | 82 | 98 | 0 |

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| Weed Code | | | | | | | | | SETFA | AMBTR | ERICA | SETFA | AMBTR | CHEAL |
|--------------------|----------------------|--------|---------|---------|------------|---------|------|------|-------------|-------------|-------------|------------|------------|------------|
| Crop Code | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | | 22/May/2006 | 22/May/2006 | 22/May/2006 | 2/Jun/2006 | 2/Jun/2006 | 2/Jun/2006 |
| Rating Date | | | | | | | | | V1 | V1 | V1 | V4 | V4 | V4 |
| Crop Stage | | | | | | | | | 2-3" | 2-4" | 5-1" | 1-6" | 1-12" | 1-6" |
| Crop Stage Scale | | | | | | | | | 5 FT2 | 1 YD2 | 1 YD2 | 12.5YD2 | 5 YD2 | 8 YD2 |
| Weed Stage | | | | | | | | | WGJ + VM | WGJ + VM | WGJ + VM | AW + AM | AW+AM | AW+AM |
| Weed Density, Unit | | | | | | | | | | | | | | |
| Assessed By | | | | | | | | | | | | | | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | Plot | | 7 | 8 | 9 | 10 | 11 | 12 |
| No. | Name | Rate | Unit | Rate | Rate | Unit | Stg | Code | | | | | | |
| 1 | non-treated check | | | | | | | | 101 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | 504 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | 705 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | 904 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | Mean = | 0 | 0 | 0 | 0 | 0 |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | | 102 | 97 | 95 | 100 | 97 | 92 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 506 | 95 | 100 | 100 | 93 | 85 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 703 | 90 | 100 | 100 | 93 | 95 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 907 | 70 | 100 | 100 | | 92 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 88 | 99 | 100 | 94 | 91 |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | | 103 | 97 | 100 | 100 | 95 | 98 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 401 | 90 | 90 | 100 | 72 | 88 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 605 | 100 | 100 | 100 | 99 | 97 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 803 | 95 | 90 | 100 | 75 | 60 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 96 | 95 | 100 | 85 | 86 |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | | 104 | 70 | 100 | 80 | 97 | 93 |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | 306 | 70 | 95 | 70 | 89 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 602 | 75 | 75 | 90 | 60 | 65 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 805 | 80 | 70 | 70 | 97 | 90 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 74 | 85 | 78 | 86 | 87 |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 105 | 97 | 100 | 100 | 65 | 98 |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | 304 | 95 | 95 | 100 | 55 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 706 | 95 | 70 | 100 | 97 | 83 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | 902 | 90 | 85 | 100 | 50 | 85 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 94 | 88 | 100 | 67 | 92 |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 106 | 93 | 100 | 100 | 87 | 97 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 405 | 100 | 100 | 100 | 95 | 96 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | 707 | 95 | 80 | 100 | 90 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 903 | 95 | 95 | 100 | 50 | 20 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 96 | 94 | 100 | 81 | 53 |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 107 | 97 | 95 | 100 | 55 | 95 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 406 | 97 | 100 | 100 | 95 | 100 |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | 603 | 95 | 85 | 100 | 93 | 35 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 1001 | 95 | 70 | 100 | 75 | 5 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 96 | 88 | 100 | 80 | 59 |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 201 | 100 | 100 | 100 | 95 | 93 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 307 | 100 | 100 | 100 | 100 | 100 |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | 704 | 100 | 80 | 100 | 97 | 90 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 806 | 90 | 90 | 100 | 80 | 85 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 98 | 93 | 100 | 93 | 92 |

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| Weed Code | | | | | | | | | SETFA | AMBTR | ERICA | SETFA | AMBTR | CHEAL |
|--------------------|----------------------|-------|---------|---------|------------|--------|-------|------|-------------|-------------|-------------|------------|------------|------------|
| Crop Code | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | | 22/May/2006 | 22/May/2006 | 22/May/2006 | 2/Jun/2006 | 2/Jun/2006 | 2/Jun/2006 |
| Rating Date | | | | | | | | | V1 | V1 | V1 | V4 | V4 | V4 |
| Crop Stage | | | | | | | | | 2-3" | 2-4" | 5-1" | 1-6" | 1-12" | 1-6" |
| Crop Stage Scale | | | | | | | | | 5 FT2 | 1 YD2 | 1 YD2 | 12.5YD2 | 5 YD2 | 8 YD2 |
| Weed Stage | | | | | | | | | WGJ + VM | WGJ + VM | WGJ + VM | AW + AM | AW+AM | AW+AM |
| Weed Density, Unit | | | | | | | | | | | | | | |
| Assessed By | | | | | | | | | | | | | | |
| Tri | Treatment | Rate | Rate | Product | Product | Grow | Appl | Plot | 7 | 8 | 9 | 10 | 11 | 12 |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 202 | 95 | 100 | 100 | 95 | 85 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 501 | 95 | 90 | 100 | 75 | 75 | 100 |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d | EPP A | 702 | 90 | 95 | 100 | 87 | 90 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d | EPP A | 804 | 95 | 85 | 100 | 95 | . | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 94 | 93 | 100 | 88 | 83 | 100 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 203 | 100 | 95 | 100 | 93 | 90 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 502 | 100 | 97 | 100 | 90 | 93 | 100 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d | EPP A | 802 | 100 | 95 | 100 | 90 | 75 | 100 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d | EPP A | 1005 | 100 | 80 | 100 | 85 | 80 | 100 |
| | Mean = | | | | | | | | 100 | 92 | 100 | 90 | 85 | 100 |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 204 | 100 | 100 | 100 | 99 | 98 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 305 | 100 | 100 | 100 | 99 | 98 | 99 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d | EPP A | 604 | 95 | 95 | 100 | 97 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 1003 | 100 | 70 | 100 | 95 | 20 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 99 | 91 | 100 | 98 | 79 | 100 |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 205 | 100 | 90 | 100 | 97 | 90 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 505 | 97 | 100 | 100 | 93 | 100 | 100 |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d | EPP A | 606 | 100 | 80 | 100 | 93 | 92 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 901 | 90 | 95 | 100 | 80 | 90 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 97 | 91 | 100 | 91 | 93 | 100 |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 206 | 100 | 100 | 97 | 97 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 404 | 97 | 95 | 100 | 88 | 75 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d | EPP A | 701 | 85 | 100 | 100 | 0 | 90 | 90 |
| | | | | | | | | 807 | 60 | . | 100 | 0 | 75 | 95 |
| | Mean = | | | | | | | | 86 | 98 | 99 | 46 | 85 | 96 |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 207 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 403 | 100 | 100 | 100 | 100 | 98 | 100 |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | 607 | 70 | 80 | 100 | 100 | 95 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 1002 | 60 | . | 100 | 100 | 23 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 83 | 93 | 100 | 100 | 79 | 100 |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 301 | 85 | 90 | 100 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 402 | 97 | 70 | 100 | 100 | 93 | 100 |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | 507 | 90 | 90 | 100 | 100 | 90 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 906 | 65 | 90 | 100 | 100 | 93 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 84 | 85 | 100 | 100 | 94 | 100 |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 302 | 100 | 100 | 100 | 99 | 93 | 99 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | 503 | 100 | 90 | 100 | 100 | 95 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | 601 | 65 | 95 | 100 | 95 | 90 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | 1004 | 60 | 50 | 100 | 93 | 85 | 95 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 81 | 84 | 100 | 97 | 91 | 99 |

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| | | | | | | | | | | | | | | |
|--------------------|-------------------|------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|------------|------------|------------|
| Weed Code | | | | | | | | | SETFA | AMBTR | ERICA | SETFA | AMBTR | CHEAL |
| Crop Code | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | | | | | | | % | % | % | % | % | % |
| Rating Date | | | | | | | | | 22/May/2006 | 22/May/2006 | 22/May/2006 | 2/Jun/2006 | 2/Jun/2006 | 2/Jun/2006 |
| Crop Stage | | | | | | | | | V1 | V1 | V1 | V4 | V4 | V4 |
| Crop Stage Scale | | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 2-3" | 2-4" | .5-1" | 1-6" | 1-12" | 1-6" |
| Weed Density, Unit | | | | | | | | | 5 FT2 | 1 YD2 | 1 YD2 | 12.5YD2 | 5 YD2 | 8 YD2 |
| Assessed By | | | | | | | | | WGJ + VM | WGJ + VM | WGJ + VM | AW + AM | AW+AM | AW+AM |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 7 | 8 | 9 | 10 | 11 | 12 |
| 17 | non-treated check | | | | | | | 303 | 100 | 95 | 100 | 88 | 93 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 407 | 85 | 85 | 100 | 25 | 60 | 85 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 801 | 70 | 85 | 90 | 0 | 80 | 85 |
| | | | | | | | | 905 | 65 | 95 | 100 | 0 | 60 | 75 |
| | | | | | | | | Mean = | 80 | 90 | 98 | 28 | 73 | 86 |

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| | | | | | | | | | ERICA | TAROF | ZEAMX | SETFA | AMBTR | CHEAL | |
|-----|----------------------|--------|---------|---------|------------|---------|------|------|------------|------------|-------------|-------------|-------------|-------------|-----|
| | | | | | | | | | CONTRO | CONTRO | CROP INJURY | CONTRO | CONTRO | CONTRO | |
| | | | | | | | | | % | % | % | % | % | % | |
| | | | | | | | | | 2/Jun/2006 | 2/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | |
| | | | | | | | | | V4 | V4 | V6 | V6 | V6 | V6 | |
| | | | | | | | | | | | 15-18" | 15-18" | 15-18" | 15-18" | |
| | | | | | | | | | 3"rosett | seedl-4" | | 4-8" | 4-24" | 1-12" | |
| | | | | | | | | | 5 YD2 | 15 YD2 | | 12.5YD2 | 2 YD2 | 5 YD2 | |
| | | | | | | | | | AW+AM | AW+AM | | AW+VM | AW+VM | AW+VM | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | Plot | | 13 | 14 | 15 | 16 | 17 | 18 | |
| No. | Name | Rate | Unit | Rate | Rate | Unit | Stg | Code | | | | | | | |
| 1 | non-treated check | | | | | | | | 101 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | 504 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | 705 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | 904 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | Mean = | 0 | 0 | 0 | 0 | 0 | |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | | 102 | 100 | 100 | 0 | 100 | 99 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 506 | 98 | 93 | 0 | 100 | 97 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 703 | 100 | 89 | 0 | 100 | 97 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 907 | 100 | 95 | 0 | 98 | 100 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 100 | 94 | 0 | 100 | 98 | 100 |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | | 103 | 100 | 97 | 0 | 100 | 97 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 401 | 100 | 100 | 0 | 100 | 93 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 605 | 100 | 95 | 0 | 100 | 100 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 803 | 100 | 100 | 0 | 100 | 85 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 100 | 98 | 0 | 100 | 94 | 100 |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | | 104 | 55 | 45 | 0 | 100 | 97 | 100 |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | 306 | 0 | 50 | 0 | 100 | 100 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 602 | 60 | 50 | 0 | 99 | 97 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 805 | 40 | 40 | 0 | 98 | 99 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 39 | 46 | 0 | 99 | 98 | 100 |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 105 | 100 | 100 | 0 | 100 | 97 | 100 |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | 304 | 100 | 98 | 0 | 100 | 100 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 706 | 97 | 94 | 0 | 100 | 97 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | 902 | 100 | 90 | 0 | 98 | 95 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 99 | 96 | 0 | 100 | 97 | 100 |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 106 | 99 | 95 | 0 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 405 | 99 | 98 | 0 | 100 | 95 | 100 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | 707 | 99 | 95 | 0 | 100 | 87 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 903 | 100 | 80 | 0 | 100 | 95 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 99 | 92 | 0 | 100 | 94 | 100 |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 107 | 97 | 85 | 10 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 406 | 98 | 95 | 7 | 98 | 100 | 100 |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | 603 | 85 | 85 | 10 | 100 | 99 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 1001 | 100 | 70 | 10 | 100 | 55 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 95 | 84 | 9 | 100 | 89 | 100 |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 201 | 100 | 95 | 0 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 307 | 97 | 75 | 3 | 100 | 100 | 100 |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | 704 | 93 | 94 | 4 | 100 | 90 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 806 | 95 | 87 | 5 | 100 | 90 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | | |
| | | | | | | | | | Mean = | 96 | 88 | 3 | 100 | 95 | 100 |

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| | | | | | | | | | ERICA | TAROF | ZEAMX | SETFA | AMBTR | CHEAL |
|-----|----------------------|-------|---------|---------|------------|---------|------|------|------------|------------|-------------|-------------|-------------|-------------|
| | | | | | | | | | CONTRO | CONTRO | CROP INJURY | CONTRO | CONTRO | CONTRO |
| | | | | | | | | | % | % | % | % | % | % |
| | | | | | | | | | 2/Jun/2006 | 2/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 |
| | | | | | | | | | V4 | V4 | V6 | V6 | V6 | V6 |
| | | | | | | | | | | | 15-18" | 15-18" | 15-18" | 15-18" |
| | | | | | | | | | 3"rosett | seedl-4" | | 4-8" | 4-24" | 1-12" |
| | | | | | | | | | 5 YD2 | 15 YD2 | | 12.5YD2 | 2 YD2 | 5 YD2 |
| | | | | | | | | | AW+AM | AW+AM | | AW+VM | AW+VM | AW+VM |
| Trt | Treatment | Rate | Product | Product | Grow | Appl | Plot | | 13 | 14 | 15 | 16 | 17 | 18 |
| No. | Name | Rate | Unit | Rate | Rate | Unit | Stg | Code | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 202 | 99 | 90 | 0 | 100 | 97 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 501 | 100 | 75 | 0 | 100 | 96 | 100 |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | 702 | 100 | 95 | 0 | 100 | 93 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 804 | 100 | 95 | 0 | 100 | 87 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 89 | 0 | 100 | 93 | 100 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 203 | 100 | 99 | 0 | 85 | 80 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 502 | 100 | 95 | 0 | 70 | 63 | 95 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | 802 | 95 | 95 | 0 | 60 | 35 | 100 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 1005 | 100 | 98 | 0 | 13 | 40 | 100 |
| | Mean = | | | | | | | | 99 | 97 | 0 | 57 | 55 | 99 |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 204 | 100 | 96 | 0 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 305 | 99 | 95 | 0 | 100 | 97 | 100 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 604 | 100 | 92 | 0 | 100 | 97 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 1003 | 100 | 95 | 0 | 100 | 75 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 95 | 0 | 100 | 92 | 100 |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 205 | 100 | 97 | 0 | 100 | 95 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 505 | 100 | 78 | 0 | 100 | 100 | 100 |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | 606 | 100 | 95 | 0 | 100 | 95 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 901 | 100 | 90 | 0 | 100 | 93 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 90 | 0 | 100 | 96 | 100 |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 206 | 100 | 97 | 0 | 86 | 97 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 404 | 100 | 98 | 0 | 80 | 60 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 701 | 90 | 80 | 0 | 0 | 80 | 90 |
| | | | | | | | | 807 | 100 | 70 | 0 | 0 | 45 | 100 |
| | Mean = | | | | | | | | 98 | 86 | 0 | 42 | 71 | 98 |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 207 | 100 | 99 | 0 | 97 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 403 | 100 | 99 | 0 | 100 | 97 | 100 |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | 607 | 100 | 98 | 0 | 98 | 87 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 1002 | 95 | 90 | 0 | 100 | 45 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 99 | 97 | 0 | 99 | 82 | 100 |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 301 | 100 | 100 | 0 | 96 | 87 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 402 | 100 | 100 | 0 | 99 | 83 | 100 |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | 507 | 100 | 100 | 0 | 99 | 89 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 906 | 100 | 100 | 0 | 95 | 93 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 100 | 100 | 0 | 97 | 88 | 100 |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 302 | 100 | 99 | 0 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 503 | 100 | 100 | 0 | 100 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | 601 | 100 | 95 | 0 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | 1004 | 100 | 100 | 0 | 100 | 97 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 99 | 0 | 100 | 99 | 100 |

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| | | | | | | | | | | | | | | |
|--------------------|-------------------|------|---------|--------------|-------------------|----------|-----------|--------|------------|------------|-------------|-------------|-------------|-------------|
| Weed Code | | | | | | | | | ERICA | TAROF | ZEAMX | SETFA | AMBTR | CHEAL |
| Crop Code | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | CONTRO | CONTRO | CROP INJURY | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | | | | | | | % | % | % | % | % | % |
| Rating Date | | | | | | | | | 2/Jun/2006 | 2/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 |
| Crop Stage | | | | | | | | | V4 | V4 | V6 | V6 | V6 | V6 |
| Crop Stage Scale | | | | | | | | | | | 15-18" | 15-18" | 15-18" | 15-18" |
| Weed Stage | | | | | | | | | 3"rosett | seedl-4" | | 4-8" | 4-24" | 1-12" |
| Weed Density, Unit | | | | | | | | | 5 YD2 | 15 YD2 | | 12.5YD2 | 2 YD2 | 5 YD2 |
| Assessed By | | | | | | | | | AW+AM | AW+AM | | AW+VM | AW+VM | AW+VM |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 13 | 14 | 15 | 16 | 17 | 18 |
| 17 | non-treated check | | | | | | | 303 | 100 | 97 | 0 | 75 | 75 | 95 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 407 | 95 | 85 | 0 | 30 | 70 | 85 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 801 | 100 | 100 | 0 | 0 | 45 | 50 |
| | | | | | | | | 905 | 100 | 98 | 0 | 0 | 60 | 70 |
| | | | | | | | | Mean = | 99 | 95 | 0 | 26 | 63 | 75 |

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| | | | | | | | | | ERICA | TAROF | SETFA | AMBTR | CHEAL | ERICA |
|-----|----------------------|--------|---------|---------|------------|---------|------|------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| | | | | | | | | | % | % | % | % | % | % |
| | | | | | | | | | 12/Jun/2006 | 12/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 |
| | | | | | | | | | V6 | V6 | V6 | V6 | V6 | V6 |
| | | | | | | | | | 15-18" | 15-18" | 18-22 | 18-22 | 18-22 | 18-22 |
| | | | | | | | | | 4" | .5-4" | 5-10" | 8-24" | 1-12" | 5-24" |
| | | | | | | | | | 5 YD2 | 30 YD2 | 100 YD2 | 2 YD2 | 5 YD2 | 5 YD2 |
| | | | | | | | | | AW+VM | AW+VM | EC + VM | EC+ VM | EC +VM | EC + VM |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | Plot | | 19 | 20 | 21 | 22 | 23 | 24 |
| No. | Name | Rate | Unit | Rate | Rate | Unit | Stg | Code | | | | | | |
| 1 | non-treated check | | | | | | | | 101 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | 504 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | 705 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | 904 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | Mean = | 0 | 0 | 0 | 0 | 0 |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | | 102 | 100 | 97 | 98 | 100 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 506 | 100 | 80 | 97 | 90 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 703 | 100 | 80 | 100 | 93 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 907 | 100 | 85 | 88 | 100 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 100 | 86 | 96 | 96 | 100 |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | | 103 | 100 | 96 | 100 | 100 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 401 | 100 | 90 | 100 | 95 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 605 | 100 | 89 | 99 | 100 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 803 | 100 | 95 | 95 | 80 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 100 | 93 | 99 | 94 | 100 |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | | 104 | 99 | 60 | 100 | 100 | 100 |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | 306 | 97 | 67 | 98 | 100 | 100 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | 602 | 98 | 75 | 99 | 90 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 805 | 93 | 55 | 96 | 100 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 97 | 64 | 98 | 98 | 100 |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | 105 | 100 | 95 | 100 | 100 | 100 |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | 304 | 100 | 100 | 97 | 95 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | 706 | 99 | 95 | 100 | 97 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | 902 | 100 | 90 | 98 | 95 | 100 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 100 | 95 | 99 | 97 | 100 |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 106 | 100 | 80 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 405 | 100 | 93 | 100 | 98 | 100 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | 707 | 100 | 93 | 98 | 90 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 903 | 100 | 90 | 98 | 95 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 100 | 89 | 99 | 96 | 100 |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 107 | 100 | 87 | 99 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 406 | 100 | 95 | 100 | 100 | 100 |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | 603 | 100 | 93 | 100 | 95 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 1001 | 100 | 83 | 98 | 80 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 100 | 90 | 99 | 94 | 100 |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | 201 | 100 | 97 | 98 | 95 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | 307 | 100 | 80 | 100 | 100 | 100 |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | 704 | 100 | 95 | 98 | 95 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | 806 | 100 | 85 | 97 | 95 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | | Mean = | 100 | 89 | 98 | 96 | 100 |

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| | | | | | | | | | ERICA | TAROF | SETFA | AMBTR | CHEAL | ERICA |
|-----|----------------------|-------|---------|---------|------------|---------|------|------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| | | | | | | | | | % | % | % | % | % | % |
| | | | | | | | | | 12/Jun/2006 | 12/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 |
| | | | | | | | | | V6 | V6 | V6 | V6 | V6 | V6 |
| | | | | | | | | | 15-18" | 15-18" | 18-22 | 18-22 | 18-22 | 18-22 |
| | | | | | | | | | 4" | .5-4" | 5-10" | 8-24" | 1-12" | 5-24" |
| | | | | | | | | | 5 YD2 | 30 YD2 | 100 YD2 | 2 YD2 | 5 YD2 | 5 YD2 |
| | | | | | | | | | AW+VM | AW+VM | EC + VM | EC+ VM | EC +VM | EC + VM |
| Tri | Treatment | Rate | Rate | Product | Product | Grow | Appl | Plot | 19 | 20 | 21 | 22 | 23 | 24 |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 202 | 100 | 100 | 97 | 93 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 501 | 100 | 87 | 98 | 95 | 100 | 100 |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | 702 | 100 | 93 | 99 | 90 | 100 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 804 | 100 | 93 | 98 | 75 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 93 | 98 | 88 | 100 | 100 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 203 | 100 | 90 | 60 | 50 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 502 | 100 | 60 | 70 | 40 | 85 | 100 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | 802 | 100 | 85 | 50 | 30 | 100 | 100 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 1005 | 100 | 85 | 30 | 50 | 100 | 100 |
| | Mean = | | | | | | | | 100 | 80 | 53 | 43 | 96 | 100 |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 204 | 100 | 93 | 100 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 305 | 100 | 95 | 98 | 97 | 100 | 100 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 604 | 100 | 91 | 100 | 95 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 1003 | 100 | 76 | 95 | 80 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 89 | 98 | 93 | 100 | 100 |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 205 | 100 | 87 | 100 | 80 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 505 | 100 | 87 | 100 | 100 | 100 | 100 |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | 606 | 100 | 93 | 100 | 97 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 901 | 100 | 87 | 95 | 95 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 89 | 99 | 93 | 100 | 100 |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 206 | 100 | 85 | 70 | 95 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 404 | 96 | 85 | 50 | 40 | 100 | 95 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 701 | 90 | 80 | 0 | 90 | 100 | 95 |
| | | | | | | | | 807 | 100 | 70 | 0 | 65 | 100 | 100 |
| | Mean = | | | | | | | | 97 | 80 | 30 | 73 | 100 | 98 |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 207 | 100 | 93 | 98 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 403 | 100 | 93 | 95 | 95 | 100 | 100 |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | 607 | 100 | 93 | 96 | 85 | 100 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 1002 | 100 | 80 | 100 | 70 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 100 | 90 | 97 | 88 | 100 | 100 |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 301 | 100 | 93 | 83 | 85 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 402 | 100 | 97 | 97 | 80 | 100 | 100 |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | 507 | 100 | 93 | 95 | 80 | 100 | 100 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 906 | 100 | 94 | 98 | 95 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 100 | 94 | 93 | 85 | 100 | 100 |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 302 | 100 | 95 | 100 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 503 | 100 | 94 | 99 | 100 | 100 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | 601 | 100 | 96 | 98 | 100 | 100 | 100 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | 1004 | 100 | 97 | 98 | 95 | 97 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 100 | 96 | 99 | 99 | 99 | 100 |

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| Weed Code | | | | | | | | | ERICA | TAROF | SETFA | AMBTR | CHEAL | ERICA |
|--------------------|-------------------|------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | | | | | | | % | % | % | % | % | % |
| Rating Date | | | | | | | | | 12/Jun/2006 | 12/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 |
| Crop Stage | | | | | | | | | V6 | V6 | V6 | V6 | V6 | V6 |
| Crop Stage Scale | | | | | | | | | 15-18" | 15-18" | 18-22 | 18-22 | 18-22 | 18-22 |
| Weed Stage | | | | | | | | | 4" | .5-4" | 5-10" | 8-24" | 1-12" | 5-24" |
| Weed Density, Unit | | | | | | | | | 5 YD2 | 30 YD2 | 100 YD2 | 2 YD2 | 5 YD2 | 5 YD2 |
| Assessed By | | | | | | | | | AW+VM | AW+VM | EC + VM | EC+ VM | EC +VM | EC + VM |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 19 | 20 | 21 | 22 | 23 | 24 |
| 17 | non-treated check | | | | | | | 303 | 100 | 70 | 50 | 30 | 50 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 407 | 95 | 67 | 40 | 0 | 80 | 95 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 801 | 100 | 65 | 0 | 5 | 55 | 100 |
| | | | | | | | | 905 | 100 | 35 | 0 | 55 | 20 | 100 |
| | | | | | | | | Mean = | 99 | 59 | 23 | 23 | 51 | 99 |

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| Weed Code | | | | | | | | | TAROF | ERICA | AMBTR | CHEAL | TAROF | SETFA |
|--------------------|----------------------|--------|---------|--------------|-------------------|----------|-----------|--------|-------------|------------|------------|------------|------------|------------|
| Crop Code | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTROL |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | | 19/Jun/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 |
| Rating Date | | | | | | | | | V6 | 60-65" | 60-65" | 60-65" | 60-65" | 60-65" |
| Crop Stage | | | | | | | | | 18-22 | V11 | V11 | V11 | V11 | V11 |
| Crop Stage Scale | | | | | | | | | 8-18" | 24-48" | 18-30" | 18-26" | 1-12" | 8-24" |
| Weed Stage | | | | | | | | | 30 YD2 | 5 YD2 | 2 YD2 | 5 YD2 | 30 YD2 | 100 YD2 |
| Weed Density, Unit | | | | | | | | | EC + VM | | | | | |
| Assessed By | | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | non-treated check | | | | | | | 101 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | 504 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | 705 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | 904 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | Mean = | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 102 | 100 | 100 | 90 | 95 | 100 | 97 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 506 | 95 | 100 | 95 | 100 | 95 | 98 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | 703 | 97 | 100 | 97 | 100 | 95 | 96 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 907 | 95 | 100 | 97 | 98 | 97 | 97 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 97 | 100 | 95 | 98 | 97 | 97 |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | 103 | 80 | 100 | 100 | 99 | 97 | 100 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 401 | 90 | 100 | 94 | 97 | 96 | 96 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | 605 | 95 | 100 | 100 | 98 | 98 | 97 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 803 | 97 | 100 | 93 | 98 | 100 | 97 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 91 | 100 | 97 | 98 | 98 | 98 |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 104 | . | 100 | 95 | 98 | 65 | 98 |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | 306 | 40 | 100 | 100 | 99 | 90 | 96 |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | 602 | 85 | 100 | 92 | 97 | 95 | 98 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 805 | 50 | 100 | 100 | 100 | 85 | 96 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 58 | 100 | 97 | 99 | 84 | 97 |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 105 | 90 | 100 | 95 | 93 | 95 | 98 |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | 304 | 100 | 100 | 95 | 97 | 100 | 98 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | 706 | 95 | 100 | 100 | 98 | 94 | 98 |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | 902 | 95 | 100 | 95 | 95 | 97 | 95 |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 95 | 100 | 96 | 96 | 97 | 97 |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 106 | 90 | 100 | 98 | 98 | 97 | 95 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 405 | 95 | 100 | 90 | 97 | 97 | 97 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | 707 | 95 | 100 | 93 | 98 | 98 | 98 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 903 | 80 | 100 | 98 | 98 | 96 | 93 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 90 | 100 | 95 | 98 | 97 | 96 |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 107 | 95 | 100 | 100 | 97 | 97 | 97 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 406 | 95 | 100 | 100 | 98 | 98 | 98 |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | 603 | 90 | 100 | 93 | 97 | 97 | 98 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 1001 | 93 | 100 | 35 | 99 | 98 | 98 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 93 | 100 | 82 | 98 | 98 | 98 |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 201 | 100 | 100 | 95 | 98 | 97 | 88 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 307 | 80 | 100 | 100 | 98 | 96 | 98 |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | 704 | 92 | 100 | 95 | 97 | 96 | 98 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 806 | 85 | 100 | 98 | 99 | 94 | 92 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | | | | | | | | Mean = | 89 | 100 | 97 | 98 | 96 | 94 |

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| | | | | | | | | | TAROF | ERICA | AMBTR | CHEAL | TAROF | SETFA |
|---------|----------------------|-------|-----------|--------------|-------------------|----------|-----------|------|-------------|------------|------------|------------|------------|------------|
| | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTROL |
| | | | | | | | | | % | % | % | % | % | % |
| | | | | | | | | | 19/Jun/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 |
| | | | | | | | | | V6 | 60-65" | 60-65" | 60-65" | 60-65" | 60-65" |
| | | | | | | | | | 18-22 | V11 | V11 | V11 | V11 | V11 |
| | | | | | | | | | 8-18" | 24-48" | 18-30" | 18-26" | 1-12" | 8-24" |
| | | | | | | | | | 30 YD2 | 5 YD2 | 2 YD2 | 5 YD2 | 30 YD2 | 100 YD2 |
| | | | | | | | | | EC + VM | | | | | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 25 | 26 | 27 | 28 | 29 | 30 |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 202 | 100 | 100 | 90 | 95 | 100 | 96 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 501 | 95 | 100 | 97 | 95 | 97 | 98 |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | 702 | 98 | 100 | 96 | 98 | 99 | 98 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 804 | 90 | 100 | 95 | 97 | 98 | 96 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 96 | 100 | 95 | 96 | 99 | 97 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 203 | 80 | 100 | 50 | 85 | 70 | 30 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 502 | 80 | 100 | 5 | 80 | 85 | 0 |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | 802 | 85 | 100 | 0 | 100 | 97 | 0 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 1005 | 75 | 100 | 5 | 100 | 97 | 5 |
| | Mean = | | | | | | | | 80 | 100 | 15 | 91 | 87 | 9 |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 204 | 91 | 100 | 95 | 95 | 91 | 98 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 305 | 97 | 100 | 95 | 98 | 97 | 98 |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | 604 | 90 | 100 | 95 | 98 | 98 | 98 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 1003 | 93 | 100 | 90 | 99 | 97 | 97 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 93 | 100 | 94 | 98 | 96 | 98 |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 205 | 95 | 100 | 85 | 96 | 95 | 98 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 505 | 90 | 100 | 100 | 98 | 90 | 97 |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | 606 | 95 | 100 | 100 | 98 | 95 | 100 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | 901 | 95 | 100 | 96 | 98 | 97 | 96 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 94 | 100 | 95 | 98 | 94 | 98 |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 206 | 80 | 95 | 100 | 95 | 85 | 50 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 404 | 85 | 98 | 0 | 85 | 98 | 0 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | 701 | 82 | 85 | 15 | 85 | 97 | 0 |
| | | | | | | | | 807 | 65 | 100 | 0 | 95 | 90 | 0 |
| | Mean = | | | | | | | | 78 | 95 | 29 | 90 | 93 | 13 |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 207 | 90 | 100 | 100 | 97 | 80 | 95 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 403 | 80 | 100 | 98 | 98 | 93 | 97 |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | 607 | 90 | 100 | 25 | 100 | 95 | 98 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 1002 | 80 | 100 | 30 | 100 | 96 | 98 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 85 | 100 | 63 | 99 | 91 | 97 |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 301 | 92 | 100 | 90 | 95 | 90 | 60 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 402 | 95 | 100 | 90 | 97 | 97 | 98 |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | 507 | 90 | 100 | 40 | 98 | 95 | 80 |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | 906 | 80 | 100 | 95 | 100 | 92 | 95 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | | |
| | Mean = | | | | | | | | 89 | 100 | 79 | 98 | 94 | 83 |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 302 | 95 | 100 | 97 | 95 | 96 | 97 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 503 | 95 | 100 | 100 | 95 | 97 | 95 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | 601 | 95 | 100 | 99 | 97 | 97 | 96 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | 1004 | 100 | 100 | 98 | 98 | 98 | 98 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | | |
| | Mean = | | | | | | | | 96 | 100 | 99 | 96 | 97 | 97 |

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| | | | | | | | | | | | | | | |
|--------------------|-------------------|------|---------|--------------|-------------------|----------|-----------|--------|-------------|------------|------------|------------|------------|------------|
| Weed Code | | | | | | | | | TAROF | ERICA | AMBTR | CHEAL | TAROF | SETFA |
| Crop Code | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTROL |
| Rating Unit | | | | | | | | | % | % | % | % | % | % |
| Rating Date | | | | | | | | | 19/Jun/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 |
| Crop Stage | | | | | | | | | V6 | 60-65" | 60-65" | 60-65" | 60-65" | 60-65" |
| Crop Stage Scale | | | | | | | | | 18-22 | V11 | V11 | V11 | V11 | V11 |
| Weed Stage | | | | | | | | | 8-18" | 24-48" | 18-30" | 18-26" | 1-12" | 8-24" |
| Weed Density, Unit | | | | | | | | | 30 YD2 | 5 YD2 | 2 YD2 | 5 YD2 | 30 YD2 | 100 YD2 |
| Assessed By | | | | | | | | | EC + VM | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 25 | 26 | 27 | 28 | 29 | 30 |
| 17 | non-treated check | | | | | | | 303 | 45 | 90 | 10 | 10 | 60 | 5 |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 407 | 85 | 90 | 0 | 50 | 75 | 0 |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | 801 | 90 | 100 | 0 | 30 | 96 | 0 |
| | | | | | | | | 905 | 90 | 100 | 30 | 20 | 80 | 0 |
| | | | | | | | | Mean = | 78 | 95 | 10 | 28 | 78 | 1 |

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Winter annual burndown and summer annual residual study in no-till corn.

Trial ID: 06S-ACR-NTC-36
 Location: ACRE

Study Dir.: Vince Davis
 Investigator: Dr. William G. Johnson

| Weed Code Crop Code Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Assessed By | | | | | | | | ZEAMX CROP INJURY % 8/May/2006 0 0-0" | STEME CONTRO % 8/May/2006 FLOWER 95 % GC | SENGL CONTRO % 8/May/2006 FLOWER 10 YD2 | TAROF CONTRO % 8/May/2006 FLOWER 2 YD2 | CAPBP CONTRO % 8/May/2006 SEEDSET 10 YD2 | ZEAMX CROP INJURY % 22/May/2006 V1 WGJ + VAM |
|---|----------------------|--------|---------|--------------|-------------------|----------|-----------|--|---|--|---|---|---|
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | non-treated check | | | | | | | 0 a | 0 c | 0 c | 0 e | 0 c | 0 a |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 0 a | 100 a | 100 a | 75 a-d | 99 a | 0 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | 0 a | 100 a | 100 a | 83 abc | 100 a | 0 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 0 a | 89 b | 46 b | 63 cd | 75 b | 0 a |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 0 a | 100 a | 100 a | 65 cd | 73 b | 0 a |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 0 a | 100 a | 95 a | 71 a-d | 91 a | 0 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 0 a | 100 a | 97 a | 79 a-d | 95 a | 0 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 0 a | 100 a | 95 a | 69 bcd | 99 a | 0 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 0 a | 100 a | 96 a | 80 a-d | 93 a | 0 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |

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| Weed Code Crop Code Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Assessed By | | | | | | | ZEAMX CROP INJURY % 8/May/2006 0 0-0" | STEME CONTRO % 8/May/2006 FLOWER 95 % GC | SENGL CONTRO % 8/May/2006 FLOWER 10 YD2 | TAROF CONTRO % 8/May/2006 FLOWER 2 YD2 | CAPBP CONTRO % 8/May/2006 SEEDSET 10 YD2 | ZEAMX CROP INJURY % 22/May/2006 V1 WGJ + VAM | |
|---|--|--|---|-------------------------------|--|--|--|---|--|---|---|---|--------|
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Unit | Grow Stg | Appl Code | 1 | 2 | 3 | 4 | 5 | 6 |
| 10 | Buccaneer Plus Array (adjuvant) Epic DF Volley ATZ | 0.75 1.35 0.181 2.63 | LB AE/A LB A/A LB A/A LB A/A | 1 9 5 2 | QT/A LB/100 GAL OZ/A QT/A | 14d EPP 14d EPP 14d EPP 14d EPP | A A A A | 0 a | 100 a | 97 a | 90 a | 96 a | 0 a |
| 11 | Buccaneer Plus Array (adjuvant) Volley ATZ Buccaneer Plus Array (adjuvant) | 0.75 1.35 2.63 0.75 1.35 | LB AE/A LB A/A LB A/A LB AE/A LB A/A | 1 9 2 1 9 | QT/A LB/100 GAL QT/A QT/A LB/100 GAL | 14d EPP 14d EPP 14d EPP POSPOS POSPOS | A A A C C | 0 a | 100 a | 98 a | 69 bcd | 90 a | 0 a |
| 12 | Buccaneer Plus Array (adjuvant) Propel ATZ Buccaneer Plus Array (adjuvant) | 0.75 1.35 1.88 0.75 1.35 | LB AE/A LB A/A LB A/A LB AE/A LB A/A | 1 9 3 1 9 | QT/A LB/100 GAL PT/A QT/A LB/100 GAL | 14d EPP 14d EPP 14d EPP POSPOS POSPOS | A A A C C | 0 a | 100 a | 100 a | 61 d | 94 a | 0 a |
| 13 | Buccaneer Plus Array (adjuvant) Atrazine 4L (Tenkoz) | 0.75 1.35 1 | LB AE/A LB A/A LB A/A | 1 9 1 | QT/A LB/100 GAL QT/A | 14d EPP 14d EPP 14d EPP | A A A | 0 a | 100 a | 95 a | 80 a-d | 91 a | 0 a |
| 14 | Buccaneer Plus Array (adjuvant) Volley ATZ Atrazine 4L (Tenkoz) Buccaneer Plus Array (adjuvant) | 0.75 1.35 2.36 1 0.75 1.35 | LB AE/A LB A/A LB A/A LB A/A LB AE/A LB A/A | 1 9 1.8 1 1 9 | QT/A LB/100 GAL QT/A QT/A QT/A LB/100 GAL | 14d EPP 14d EPP EAPOWE EAPOWE EAPOWE EAPOWE | A A B B B B | 0 a | 100 a | 99 a | 80 a-d | 90 a | 0 a |
| 15 | Buccaneer Plus Array (adjuvant) Propel ATZ Atrazine 4L (Tenkoz) Buccaneer Plus Array (adjuvant) | 0.75 1.35 1.67 1 0.75 1.35 | LB AE/A LB A/A LB A/A LB A/A LB AE/A LB A/A | 1 9 2.67 1 1 9 | QT/A LB/100 GAL PT/A QT/A QT/A LB/100 GAL | 14d EPP 14d EPP EAPOWE EAPOWE EAPOWE EAPOWE | A A B B B B | 0 a | 100 a | 100 a | 89 ab | 98 a | 0 a |
| 16 | Buccaneer Plus Array (adjuvant) Buccaneer Plus Array (adjuvant) Buccaneer Plus Array (adjuvant) | 0.75 1.35 0.75 1.35 0.75 1.35 | LB AE/A LB A/A LB AE/A LB A/A LB AE/A LB A/A | 1 9 1 9 1 9 | QT/A LB/100 GAL QT/A LB/100 GAL QT/A LB/100 GAL | 14d EPP 14d EPP EAPOWE EAPOWE POSPOS POSPOS | A A B B C C | 0 a | 99 a | 99 a | 86 ab | 98 a | 0 a |
| 17 | non-treated check Buccaneer Plus Array (adjuvant) | | | 1 | QT/A | 14d EPP | A | 0 a | 100 a | 100 a | 82 abc | 98 a | 0 a |
| LSD (P=.05) | | | | | | | | 0.0 | 2.5 | 9.9 | 20.5 | 14.6 | 0.0 |
| Standard Deviation | | | | | | | | 0.0 | 1.7 | 6.9 | 14.4 | 10.2 | 0.0 |
| CV | | | | | | | | 0.0 | 1.85 | 7.78 | 20.01 | 11.72 | 0.0 |
| Grand Mean | | | | | | | | 0.0 | 93.38 | 89.12 | 71.79 | 86.96 | 0.0 |
| Bartlett's X2 | | | | | | | | 0.0 | 12.573 | 58.368 | 14.808 | 54.723 | 0.0 |
| P(Bartlett's X2) | | | | | | | | . | 0.002* | 0.001* | 0.465 | 0.001* | . |
| Replicate F | | | | | | | | 0.000 | 1.136 | 2.144 | 1.726 | 1.806 | 0.000 |
| Replicate Prob(F) | | | | | | | | 1.0000 | 0.3440 | 0.1069 | 0.1741 | 0.1587 | 1.0000 |
| Treatment F | | | | | | | | 0.000 | 785.200 | 57.233 | 8.140 | 21.641 | 0.000 |
| Treatment Prob(F) | | | | | | | | 1.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 1.0000 |

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

Purdue University

| Weed Code | | | | | | | SETFA | AMBTR | ERICA | SETFA | AMBTR | CHEAL | |
|--------------------|----------------------|--------|---------|--------------|-------------------|----------|-------------|-------------|-------------|------------|------------|------------|-------|
| Crop Code | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | |
| Rating Unit | | | | | | | % | % | % | % | % | % | |
| Rating Date | | | | | | | 22/May/2006 | 22/May/2006 | 22/May/2006 | 2/Jun/2006 | 2/Jun/2006 | 2/Jun/2006 | |
| Crop Stage | | | | | | | V1 | V1 | V1 | V4 | V4 | V4 | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | 2-3" | 2-4" | 5-1" | 1-6" | 1-12" | 1-6" | |
| Weed Density, Unit | | | | | | | 5 FT2 | 1 YD2 | 1 YD2 | 12.5YD2 | 5 YD2 | 8 YD2 | |
| Assessed By | | | | | | | WGJ + VM | WGJ + VM | WGJ + VM | AW + AM | AW+AM | AW+AM | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | non-treated check | | | | | | | 0 h | 0 d | 0 c | 0 e | 0 d | 0 d |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 88 a-f | 99 a | 100 a | 94 a | 91 a | 100 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | 96 abc | 95 abc | 100 a | 85 ab | 86 ab | 100 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 74 g | 85 bc | 78 b | 86 ab | 87 ab | 100 a |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 94 a-d | 88 abc | 100 a | 67 bc | 92 a | 92 b |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 96 abc | 94 abc | 100 a | 81 ab | 53 c | 98 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 96 abc | 88 abc | 100 a | 80 ab | 59 bc | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 98 ab | 93 abc | 100 a | 93 ab | 92 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 94 a-e | 93 abc | 100 a | 88 ab | 83 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |

Purdue University

| | | | | | | | SETFA | AMBTR | ERICA | SETFA | AMBTR | CHEAL | |
|--------------------|----------------------|-------|-----------|--------------|-------------------|----------|-------------|-------------|-------------|------------|------------|------------|-------|
| | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | |
| | | | | | | | % | % | % | % | % | % | |
| | | | | | | | 22/May/2006 | 22/May/2006 | 22/May/2006 | 2/Jun/2006 | 2/Jun/2006 | 2/Jun/2006 | |
| | | | | | | | V1 | V1 | V1 | V4 | V4 | V4 | |
| | | | | | | | 2-3" | 2-4" | 5-1" | 1-6" | 1-12" | 1-6" | |
| | | | | | | | 5 FT2 | 1 YD2 | 1 YD2 | 12.5YD2 | 5 YD2 | 8 YD2 | |
| | | | | | | | WGJ + VM | WGJ + VM | WGJ + VM | AW + AM | AW+AM | AW+AM | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 7 | 8 | 9 | 10 | 11 | 12 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 100 a | 92 abc | 100 a | 90 ab | 85 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | | | | | | |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 99 a | 91 abc | 100 a | 98 a | 79 abc | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 97 abc | 91 abc | 100 a | 91 ab | 93 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 86 b-g | 98 ab | 99 a | 46 cd | 85 ab | 96 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 83 d-g | 93 abc | 100 a | 100 a | 79 abc | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 84 c-g | 85 bc | 100 a | 100 a | 94 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 81 efg | 84 c | 100 a | 97 a | 91 a | 99 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 17 | non-treated check | | | | | | | 80 fg | 90 abc | 98 a | 28 d | 73 abc | 86 c |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| LSD (P=.05) | | | | | | | 13.0 | 13.7 | 3.9 | 27.2 | 28.6 | 4.0 | |
| Standard Deviation | | | | | | | 9.1 | 9.6 | 2.7 | 19.0 | 20.0 | 2.8 | |
| CV | | | | | | | 10.68 | 11.2 | 2.93 | 24.47 | 25.79 | 3.07 | |
| Grand Mean | | | | | | | 84.91 | 85.72 | 92.6 | 77.77 | 77.71 | 92.37 | |
| Bartlett's X2 | | | | | | | 50.505 | 20.217 | 7.346 | 54.586 | 56.055 | 33.265 | |
| P(Bartlett's X2) | | | | | | | 0.001* | 0.164 | 0.025* | 0.001* | 0.001* | 0.001* | |
| Replicate F | | | | | | | 7.593 | 5.503 | 0.205 | 2.451 | 6.550 | 1.926 | |
| Replicate Prob(F) | | | | | | | 0.0003 | 0.0026 | 0.8924 | 0.0751 | 0.0009 | 0.1379 | |
| Treatment F | | | | | | | 26.219 | 21.973 | 326.471 | 8.564 | 5.315 | 289.309 | |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | |

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

Purdue University

| Weed Code | | | | | | | ERICA | TAROF | ZEAMX | SETFA | AMBTR | CHEAL | |
|--------------------|----------------------|--------|---------|--------------|--------------|----------|------------|------------|-------------|-------------|-------------|-------------|-------|
| Crop Code | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | CONTRO | CONTRO | CROP INJURY | CONTRO | CONTRO | CONTRO | |
| Rating Unit | | | | | | | % | % | % | % | % | % | |
| Rating Date | | | | | | | 2/Jun/2006 | 2/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | |
| Crop Stage | | | | | | | V4 | V4 | V6 | V6 | V6 | V6 | |
| Crop Stage Scale | | | | | | | | | 15-18" | 15-18" | 15-18" | 15-18" | |
| Weed Stage | | | | | | | 3"rosett | seedl-4" | | 4-8" | 4-24" | 1-12" | |
| Weed Density, Unit | | | | | | | 5 YD2 | 15 YD2 | | 12.5YD2 | 2 YD2 | 5 YD2 | |
| Assessed By | | | | | | | AW+AM | AW+AM | | AW+VM | AW+VM | AW+VM | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Unit | Grow Stg | Appl Code | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | non-treated check | | | | | | | 0 c | 0 g | 0 c | 0 d | 0 f | 0 c |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 100 a | 94 a-d | 0 c | 100 a | 98 a | 100 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | 100 a | 98 ab | 0 c | 100 a | 94 ab | 100 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 39 b | 46 f | 0 c | 99 a | 98 a | 100 a |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 99 a | 96 abc | 0 c | 100 a | 97 ab | 100 a |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 99 a | 92 a-e | 0 c | 100 a | 94 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 95 a | 84 e | 9 a | 100 a | 89 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 96 a | 88 cde | 3 b | 100 a | 95 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 100 a | 89 cde | 0 c | 100 a | 93 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |

Purdue University

| Weed Code | | | | | | | | ERICA | TAROF | ZEAMX | SETFA | AMBTR | CHEAL |
|--------------------|----------------------|-------|-----------|--------------|-------------------|----------|-----------|------------|------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | CROP INJURY | CONTRO | CONTRO | CONTRO |
| Rating Data Type | | | | | | | | CONTRO | CONTRO | % | % | % | % |
| Rating Unit | | | | | | | | % | % | % | % | % | % |
| Rating Date | | | | | | | | 2/Jun/2006 | 2/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 | 12/Jun/2006 |
| Crop Stage | | | | | | | | V4 | V4 | V6 | V6 | V6 | V6 |
| Crop Stage Scale | | | | | | | | | | 15-18" | 15-18" | 15-18" | 15-18" |
| Weed Stage | | | | | | | | 3"rosett | seedl-4" | | 4-8" | 4-24" | 1-12" |
| Weed Density, Unit | | | | | | | | 5 YD2 | 15 YD2 | | 12.5YD2 | 2 YD2 | 5 YD2 |
| Assessed By | | | | | | | | AW+AM | AW+AM | | AW+VM | AW+VM | AW+VM |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 13 | 14 | 15 | 16 | 17 | 18 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 99 a | 97 abc | 0 c | 57 b | 55 e | 99 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | | | | | | |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 100 a | 95 a-d | 0 c | 100 a | 92 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 100 a | 90 b-e | 0 c | 100 a | 96 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 98 a | 86 de | 0 c | 42 bc | 71 cd | 98 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 99 a | 97 abc | 0 c | 99 a | 82 bc | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 100 a | 100 a | 0 c | 97 a | 88 ab | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 100 a | 99 ab | 0 c | 100 a | 99 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 17 | non-treated check | | | | | | | 99 a | 95 a-d | 0 c | 26 c | 63 de | 75 b |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| LSD (P=.05) | | | | | | | | 10.1 | 9.2 | 0.9 | 22.1 | 15.2 | 7.0 |
| Standard Deviation | | | | | | | | 7.1 | 6.4 | 0.6 | 15.5 | 10.7 | 4.9 |
| CV | | | | | | | | 7.9 | 7.59 | 88.52 | 18.57 | 12.9 | 5.29 |
| Grand Mean | | | | | | | | 89.49 | 84.93 | 0.72 | 83.44 | 82.56 | 92.43 |
| Bartlett's X2 | | | | | | | | 91.91 | 25.776 | 0.387 | 90.955 | 64.286 | 11.162 |
| P(Bartlett's X2) | | | | | | | | 0.001* | 0.028* | 0.534 | 0.001* | 0.001* | 0.004* |
| Replicate F | | | | | | | | 0.843 | 2.120 | 1.000 | 2.894 | 6.680 | 1.327 |
| Replicate Prob(F) | | | | | | | | 0.4769 | 0.1100 | 0.4010 | 0.0448 | 0.0007 | 0.2767 |
| Treatment F | | | | | | | | 59.612 | 60.553 | 52.681 | 16.727 | 22.039 | 100.905 |
| Treatment Prob(F) | | | | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |

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

Purdue University

| Weed Code | | | | | | | ERICA | TAROF | SETFA | AMBTR | CHEAL | ERICA | |
|--------------------|----------------------|--------|---------|---------|------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | | | | | % | % | % | % | % | % | % |
| Rating Date | | | | | | | 12/Jun/2006 | 12/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 |
| Crop Stage | | | | | | | V6 | V6 | V6 | V6 | V6 | V6 | V6 |
| Crop Stage Scale | | | | | | | 15-18" | 15-18" | 18-22 | 18-22 | 18-22 | 18-22 | 18-22 |
| Weed Stage | | | | | | | 4" | 5-4" | 5-10" | 8-24" | 1-12" | 5-24" | 5-24" |
| Weed Density, Unit | | | | | | | 5 YD2 | 30 YD2 | 100 YD2 | 2 YD2 | 5 YD2 | 5 YD2 | 5 YD2 |
| Assessed By | | | | | | | AW+VM | AW+VM | EC + VM | EC+ VM | EC +VM | EC + VM | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | 19 | 20 | 21 | 22 | 23 | 24 | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | | | | | | |
| 1 | non-treated check | | | | | | | 0 d | 0 d | 0 d | 0 e | 0 c | |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d | EPP A | 100 a | 86 ab | 96 a | 96 a | 100 a | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d | EPP A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d | EPP A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d | EPP A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d | EPP A | 100 a | 93 a | 99 a | 94 a | 100 a | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d | EPP A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d | EPP A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d | EPP A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d | EPP A | 97 bc | 64 c | 98 a | 98 a | 100 a | |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d | EPP A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d | EPP A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d | EPP A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d | EPP A | 100 a | 95 a | 99 a | 97 a | 100 a | |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d | EPP A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d | EPP A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 100 a | 89 ab | 99 a | 96 a | 100 a | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d | EPP A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d | EPP A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 100 a | 90 ab | 99 a | 94 a | 100 a | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | | | | | | |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d | EPP A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d | EPP A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 100 a | 89 ab | 98 a | 96 a | 100 a | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | | | | | | |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d | EPP A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d | EPP A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP A | 100 a | 93 a | 98 a | 88 ab | 100 a | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d | EPP A | | | | | | |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d | EPP A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d | EPP A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |

Purdue University

| | | | | | | | ERICA | TAROF | SETFA | AMBTR | CHEAL | ERICA | | |
|--------------------|----------------------|-------|---------|---------|--------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------|-------|
| | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | |
| | | | | | | | % | % | % | % | % | % | | |
| | | | | | | | 12/Jun/2006 | 12/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | 19/Jun/2006 | | |
| | | | | | | | V6 | V6 | V6 | V6 | V6 | V6 | | |
| | | | | | | | 15-18" | 15-18" | 18-22 | 18-22 | 18-22 | 18-22 | | |
| | | | | | | | 4" | 5-4" | 5-10" | 8-24" | 1-12" | 5-24" | | |
| | | | | | | | 5 YD2 | 30 YD2 | 100 YD2 | 2 YD2 | 5 YD2 | 5 YD2 | | |
| | | | | | | | AW+VM | AW+VM | EC + VM | EC+ VM | EC +VM | EC + VM | | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | 19 | 20 | 21 | 22 | 23 | 24 | | |
| No. | Name | Rate | Unit | Rate | Rate | Unit | Stg | Code | | | | | | |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 100 a | 80 b | 53 b | 43 c | 96 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | | 14d | EPP | A | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | | 14d | EPP | A | | | | | |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 100 a | 89 ab | 98 a | 93 a | 100 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | | 14d | EPP | A | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | POSPOS | C | | | | | | |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 100 a | 89 ab | 99 a | 93 a | 100 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | | 14d | EPP | A | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | POSPOS | C | | | | | | |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 97 c | 80 b | 30 c | 73 b | 100 a | 98 b |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | | 14d | EPP | A | | | | | |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 100 a | 90 ab | 97 a | 88 ab | 100 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | EAPOWE | B | | | | | | |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 100 a | 94 a | 93 a | 85 ab | 100 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | EAPOWE | B | | | | | | |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | 100 a | 96 a | 99 a | 99 a | 99 a | 100 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | POSPOS | C | | | | | | |
| 17 | non-treated check | | | | | | | | 99 ab | 59 c | 23 c | 23 d | 51 b | 99 ab |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d | EPP | A | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 | GAL | 14d | EPP | A | | | | | |
| LSD (P=.05) | | | | | | | 2.1 | 10.1 | 15.8 | 15.8 | 9.1 | 1.3 | | |
| Standard Deviation | | | | | | | 1.5 | 7.0 | 11.1 | 11.1 | 6.3 | 0.9 | | |
| CV | | | | | | | 1.56 | 8.7 | 13.67 | 13.9 | 6.96 | 0.97 | | |
| Grand Mean | | | | | | | 93.63 | 80.84 | 81.0 | 79.56 | 90.96 | 93.9 | | |
| Bartlett's X2 | | | | | | | 9.589 | 28.241 | 120.614 | 39.765 | 26.97 | 0.061 | | |
| P(Bartlett's X2) | | | | | | | 0.022* | 0.02* | 0.001* | 0.001* | 0.001* | 0.805 | | |
| Replicate F | | | | | | | 0.838 | 3.429 | 3.246 | 1.223 | 0.600 | 1.630 | | |
| Replicate Prob(F) | | | | | | | 0.4797 | 0.0243 | 0.0299 | 0.3116 | 0.6183 | 0.1949 | | |
| Treatment F | | | | | | | 1099.203 | 43.436 | 34.907 | 28.048 | 68.574 | 2833.222 | | |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | | |

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

Purdue University

| Weed Code | | | | | | | | TAROF | ERICA | AMBTR | CHEAL | TAROF | SETFA |
|--------------------|----------------------|--------|---------|--------------|-------------------|----------|-----------|-------------|------------|------------|------------|------------|------------|
| Crop Code | | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTROL |
| Rating Data Type | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | 19/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 |
| Rating Date | | | | | | | | V6 | 60-65" | 60-65" | 60-65" | 60-65" | 60-65" |
| Crop Stage | | | | | | | | 18-22 | V11 | V11 | V11 | V11 | V11 |
| Crop Stage Scale | | | | | | | | 8-18" | 24-48" | 18-30" | 18-26" | 1-12" | 8-24" |
| Weed Stage | | | | | | | | 30 YD2 | 5 YD2 | 2 YD2 | 5 YD2 | 30 YD2 | 100 YD2 |
| Weed Density, Unit | | | | | | | | EC + VM | | | | | |
| Assessed By | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | non-treated check | | | | | | | 0 f | 0 c | 0 d | 0 e | 0 e | 0 d |
| 2 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 97 a | 100 a | 95 a | 98 ab | 97 a | 97 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 3 | Permit | 0.0234 | LB A/A | 0.5 | OZ/A | 14d EPP | A | 91 ab | 100 a | 97 a | 98 ab | 98 a | 98 a |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 4 | Permit | 0.0155 | LB A/A | 0.33 | OZ/A | 14d EPP | A | 58 e | 100 a | 97 a | 99 ab | 84 cd | 97 a |
| | Princep 4FL | 0.5 | LB A/A | 0.5 | QT/A | 14d EPP | A | | | | | | |
| | NIS | 0.125 | % V/V | 0.125 | % V/V | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 5 | Roundup OriginalMAX | 0.77 | LB AE/A | 22 | FL OZ/A | 14d EPP | A | 95 a | 100 a | 96 a | 96 abc | 97 a | 97 a |
| | 2,4-D Ester | 0.5 | LB A/A | 1 | PT/A | 14d EPP | A | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | 14d EPP | A | | | | | | |
| | Roundup WeatherMAX | 0.77 | LB AE/A | 22 | FL OZ/A | POSPOS | C | | | | | | |
| | AMS | 2.5 | LB A/A | 2.5 | LB/A | POSPOS | C | | | | | | |
| 6 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 90 abc | 100 a | 95 a | 98 ab | 97 a | 96 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 7 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 93 a | 100 a | 82 ab | 98 ab | 98 a | 98 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.217 | LB A/A | 6 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 8 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 89 a-d | 100 a | 97 a | 98 ab | 96 a | 94 ab |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.254 | LB A/A | 7 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 9 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 96 a | 100 a | 95 a | 96 abc | 99 a | 97 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.29 | LB A/A | 8 | OZ/A | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |

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| Weed Code | | | | | | | TAROF | ERICA | AMBTR | CHEAL | TAROF | SETFA | |
|--------------------|----------------------|-------|---------|--------------|--------------|----------|-------------|------------|------------|------------|------------|------------|------------|
| Crop Code | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTROL | |
| Rating Unit | | | | | | | % | % | % | % | % | % | % |
| Rating Date | | | | | | | 19/Jun/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 | 5/Jul/2006 |
| Crop Stage | | | | | | | V6 | 60-65" | 60-65" | 60-65" | 60-65" | 60-65" | 60-65" |
| Crop Stage Scale | | | | | | | 18-22 | V11 | V11 | V11 | V11 | V11 | V11 |
| Weed Stage | | | | | | | 8-18" | 24-48" | 18-30" | 18-26" | 1-12" | 8-24" | |
| Weed Density, Unit | | | | | | | 30 YD2 | 5 YD2 | 2 YD2 | 5 YD2 | 30 YD2 | 100 YD2 | |
| Assessed By | | | | | | | EC + VM | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Unit | Grow Stg | Appl Code | 25 | 26 | 27 | 28 | 29 | 30 |
| 10 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 80 bcd | 100 a | 15 cd | 91 bc | 87 bc | 9 cd |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Epic DF | 0.181 | LB A/A | 5 | OZ/A | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | | | | | | |
| 11 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 93 a | 100 a | 94 a | 98 ab | 96 a | 98 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.63 | LB A/A | 2 | QT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 12 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 94 a | 100 a | 95 a | 98 ab | 94 ab | 98 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Propel ATZ | 1.88 | LB A/A | 3 | PT/A | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 13 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 78 cd | 95 b | 29 c | 90 c | 93 ab | 13 c |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | 14d EPP | A | | | | | | |
| 14 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 85 a-d | 100 a | 63 b | 99 a | 91 abc | 97 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Volley ATZ | 2.36 | LB A/A | 1.8 | QT/A | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| 15 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 89 a-d | 100 a | 79 ab | 98 ab | 94 ab | 83 b |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Propel ATZ | 1.67 | LB A/A | 2.67 | PT/A | EAPOWE | B | | | | | | |
| | Atrazine 4L (Tenkoz) | 1 | LB A/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| 16 | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | 96 a | 100 a | 99 a | 96 abc | 97 a | 97 a |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | EAPOWE | B | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | EAPOWE | B | | | | | | |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | POSPOS | C | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | POSPOS | C | | | | | | |
| 17 | non-treated check | | | | | | | 78 d | 95 b | 10 cd | 28 d | 78 d | 1 cd |
| | Buccaneer Plus | 0.75 | LB AE/A | 1 | QT/A | 14d EPP | A | | | | | | |
| | Array (adjuvant) | 1.35 | LB A/A | 9 | LB/100 GAL | 14d EPP | A | | | | | | |
| LSD (P=.05) | | | | | | | 12.3 | 3.1 | 27.2 | 7.4 | 8.2 | 12.1 | |
| Standard Deviation | | | | | | | 8.6 | 2.2 | 19.0 | 5.2 | 5.7 | 8.5 | |
| CV | | | | | | | 10.42 | 2.31 | 26.15 | 5.95 | 6.52 | 11.38 | |
| Grand Mean | | | | | | | 82.43 | 93.5 | 72.71 | 86.85 | 87.79 | 74.59 | |
| Bartlett's X2 | | | | | | | 45.084 | 0.06 | 90.682 | 90.715 | 72.207 | 117.392 | |
| P(Bartlett's X2) | | | | | | | 0.001* | 0.806 | 0.001* | 0.001* | 0.001* | 0.001* | |
| Replicate F | | | | | | | 1.544 | 0.643 | 2.171 | 1.289 | 5.324 | 0.442 | |
| Replicate Prob(F) | | | | | | | 0.2155 | 0.5912 | 0.1036 | 0.2889 | 0.0030 | 0.7244 | |
| Treatment F | | | | | | | 29.558 | 500.196 | 13.874 | 117.989 | 66.227 | 87.350 | |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | |

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