

# University of Georgia

| ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL<br>IN FIELD CORN |                |                                                          |           |                |          |           |                        |       |     |     |     |  |
|-------------------------------------------------------------|----------------|----------------------------------------------------------|-----------|----------------|----------|-----------|------------------------|-------|-----|-----|-----|--|
| Trial ID: CN-02-16                                          |                | Study Dir.: CRAIG HEIM                                   |           |                |          |           |                        |       |     |     |     |  |
| Location: PONDER FARM                                       |                | Investigator: Eric P. Prostko                            |           |                |          |           |                        |       |     |     |     |  |
| Reps: 4                                                     |                | Plots: 6 by 25 feet                                      |           |                |          |           |                        |       |     |     |     |  |
| Spray vol: 15 GAL/AC                                        |                | Mix Size: 1.5 liters (.78211 liters calculated mix size) |           |                |          |           |                        |       |     |     |     |  |
| Trt No.                                                     | Treatment Name | Form Conc                                                | Form Type | Rate Rate Unit | Grow Stg | Appl Code | Amt Product to Measure | Rep 1 | 2   | 3   | 4   |  |
| 1                                                           | NTC            |                                                          |           |                |          |           |                        | 101   | 202 | 307 | 412 |  |
| 2                                                           | ANTHEM MAX     | 4.3 SC                                                   |           | 4.0 oz/a       | PRE      | A         | 3.125 ml/mx            | 102   | 213 | 304 | 406 |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 32.0 oz/a      | PRE      | A         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | LPOST    | C         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | LPOST    | C         | 37.5 ml/mx             |       |     |     |     |  |
| 3                                                           | ANTHEM MAX     | 4.3 SC                                                   |           | 4.0 oz/a       | PRE      | A         | 3.125 ml/mx            | 103   | 208 | 310 | 403 |  |
|                                                             | SOLSTICE       | 4 SC                                                     |           | 2.5 oz/a       | EPOST    | B         | 1.953 ml/mx            |       |     |     |     |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 4                                                           | ANTHEM MAX     | 4.3 SC                                                   |           | 4.0 oz/a       | PRE      | A         | 3.125 ml/mx            | 104   | 207 | 311 | 405 |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 32.0 oz/a      | PRE      | A         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | SOLSTICE       | 4 SC                                                     |           | 2.5 oz/a       | EPOST    | B         | 1.953 ml/mx            |       |     |     |     |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 16.0 oz/a      | EPOST    | B         | 12.5 ml/mx             |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 5                                                           | ANTHEM MAX     | 4.3 SC                                                   |           | 4.0 oz/a       | PRE      | A         | 3.125 ml/mx            | 105   | 201 | 306 | 407 |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 32.0 oz/a      | PRE      | A         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | BALANCE FLEXX  | 2 SC                                                     |           | 2.0 oz/a       | PRE      | A         | 1.562 ml/mx            |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 6                                                           | ACURON         | 3.44 SC                                                  |           | 80.0 oz/a      | PRE      | A         | 62.49 ml/mx            | 106   | 212 | 303 | 404 |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | LPOST    | C         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | LPOST    | C         | 37.5 ml/mx             |       |     |     |     |  |
| 7                                                           | CORVUS         | 2.63 SC                                                  |           | 5.6 oz/a       | PRE      | A         | 4.375 ml/mx            | 107   | 211 | 312 | 409 |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 32.0 oz/a      | PRE      | A         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | LPOST    | C         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | LPOST    | C         | 37.5 ml/mx             |       |     |     |     |  |
| 8                                                           | HALEX GT       | 4.84 EC                                                  |           | 58.0 oz/a      | EPOST    | B         | 45.31 ml/mx            | 108   | 209 | 313 | 411 |  |
|                                                             | NIS            |                                                          |           | 0.25 % v/v     | EPOST    | B         | 3.75 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 9                                                           | SOLSTICE       | 4 SC                                                     |           | 3.15 oz/a      | EPOST    | B         | 2.461 ml/mx            | 109   | 204 | 308 | 402 |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 10                                                          | SOLSTICE       | 4 SC                                                     |           | 2.5 oz/a       | EPOST    | B         | 1.953 ml/mx            | 110   | 203 | 301 | 408 |  |
|                                                             | ANTHEM MAXX    | 4.3 SC                                                   |           | 2.0 oz/a       | EPOST    | B         | 1.562 ml/mx            |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 11                                                          | SOLSTICE       | 4 SC                                                     |           | 2.5 oz/a       | EPOST    | B         | 1.953 ml/mx            | 111   | 205 | 302 | 410 |  |
|                                                             | ANTHEM MAXX    | 4.3 SC                                                   |           | 2.0 oz/a       | EPOST    | B         | 1.562 ml/mx            |       |     |     |     |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 16.0 oz/a      | EPOST    | B         | 12.5 ml/mx             |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | EPOST    | B         | 37.5 ml/mx             |       |     |     |     |  |
| 12                                                          | ANTHEM MAXX    | 4.3 SC                                                   |           | 4.0 oz/a       | PRE      | A         | 3.125 ml/mx            | 112   | 206 | 305 | 413 |  |
|                                                             | SHARPEN        | 2.85 SC                                                  |           | 3.9 oz/a       | PRE      | A         | 3.047 ml/mx            |       |     |     |     |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | LPOST    | C         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | AMS XTRA       | 3.4 SL                                                   |           | 2.5 % v/v      | LPOST    | C         | 37.5 ml/mx             |       |     |     |     |  |
| 13                                                          | DUAL II MAGNUM | 7.64 EC                                                  |           | 16.0 oz/a      | PRE      | A         | 12.5 ml/mx             | 113   | 210 | 309 | 401 |  |
|                                                             | ROUNDUP PMAX   | 5.5 SL                                                   |           | 32.0 oz/a      | EPOST    | B         | 25.0 ml/mx             |       |     |     |     |  |
|                                                             | ATRAZINE       | 4 L                                                      |           | 64.0 oz/a      | EPOST    | B         | 49.99 ml/mx            |       |     |     |     |  |

Sort Order: Treatment

# University of Georgia

## ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL

IN FIELD CORN

Trial ID: CN-02-16 Study Dir.: CRAIG HEIM  
 Location: PONDER FARM Investigator: Eric P. Prostko

### Trial Comments

CORN EMERGED ON MARCH 29, 2016

#### GDD'S FROM EMERGENCE

EPOST = 283

LPOST = 498

ANTHEM MAXX = PYROXASULFONE (4.174 LB/GAL) + FLUTHIACET (0.126 LB/GAL)

SOLSTICE = MESOTRIONE (3.784 LB/GAL) + FLUTHIACET (0.216 LB/GAL)

ACURON = ATRAZINE (1 LB/GAL) + BICYCLOPYRONE (0.06 LB/GAL) + MESOTRIONE (0.24 LB/GAL) + S-MOC (2.14 LB/GAL)

CORVUS = ISOXAFLUTOLE (1.88 LB/GAL) + THIENCARBAZONE (0.75 LB/GAL) + SAFENER

HALEX GT = GLYPHOSATE (2.54 LB/GAL) + MESOTRIONE (0.209 LB/GAL) + S-MOC (2.09 LB/GAL)

HARVEST MOISTURE = 19.1%

YIELDS ADJUSTED TO 15.5%

#### **SUMMARY:**

1) PRE APPLICATIONS OF ANTHEM MAXX CAUSED SLIGHT EARLY SEASON CROP STUNTING.

2) PRE APPLICATIONS OF ANTHEM MAXX PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH, ANNUAL GRASSES, AND HENBIT.

3) AFTER ALL TREATMENTS WERE APPLIED, CONTROL OF ALL WEEDS (PALMER AMARANTH, ANNUAL GRASSES, HENBIT, WILD RADISH) WAS EXCELLENT WITH NO REAL DIFFERENCES IN CONTROL EXCEPT FOR THE FOLLOWING:

A) ON MAY 18 (58 DAP), ANNUAL GRASS CONTROL WITH EPOST APPLICATIONS OF SOLSTICE + ATRAZINE + ROUNDUP PROVIDED LESS GRASS CONTROL THAN THE OTHER TREATMENTS.

4) CORN YIELDS WERE NOT AFFECTED BY ANY HERBICIDE TREATMENT IN THIS TEST WHEN COMPARED TO THE NTC. THE TEST AVERAGE YIELD WAS 264 BU/A.

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ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL

IN FIELD CORN

Trial ID: CN-02-16 Study Dir.: CRAIG HEIM  
 Location: PONDER FARM Investigator: Eric P. Prostko

## GENERAL TRIAL INFORMATION

**Study Director:** CRAIG HEIM **Title:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_  
**Investigator:** Eric P. Prostko **Title:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_  
**Trial Status:** \_\_\_\_\_ **Initiation Date:** \_\_\_\_\_ **Country:** \_\_\_\_\_  
**City:** \_\_\_\_\_ **State/Prov.:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N  
**Objective:** \_\_\_\_\_  
**Conclusions:** \_\_\_\_\_

## CROP AND PEST DESCRIPTION

**Weed 1.** AMAPA PALMER AMARANTH **2.** AGRASS TX. MILLET/CRAB/CROW/GOOSE  
**Weed 3.** LAMAM HENBIT **4.** RAPRA WILD RADISH

**Crop 1:** ZEAMA FIELD CORN **Variety:** DEKALB DKC 66-59 **Planting Date:** Mar-21-16  
**Planting Method:** MONOSEM **Rate:** 32248 SEED/A **Depth:** 1.75 IN  
**Perennial Age:** \_\_\_\_\_ **Row Spacing:** 30 IN **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_ **Soil Moisture:** OPTIMUM **Emergence Date:** \_\_\_\_\_

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4  
**Site Type:** \_\_\_\_\_ **Study Design:** RACOB  
**Tillage Type:** CONVENTIONAL  
**Trial Initiation Comments:** ACCELERON SEED TRT; VT DOUBLE PRO CORN SEED;

**Previous: Crops** **Pesticides** **Year**  
 1. PEANUT 2015 \_\_\_\_\_

## MAINTENANCE

**Field Prep./Maintenance:** \_\_\_\_\_  

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

## SOIL DESCRIPTION

**Texture:** SAND **% OM:** 0.53 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2  
**pH:** 6.3 **CEC:** 2.6 **Soil Name:** DOTHAN **Fertility Level:** GOOD

## MOISTURE CONDITIONS

| On: Date     | Time | Amount | Unit | Type                     | Interval | Unit |
|--------------|------|--------|------|--------------------------|----------|------|
| 1. Mar-23-16 |      | 0.3    | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 2. Mar-24-16 |      | 0.2    | IN   | SPRINKLER - LATERAL MOVE |          |      |
| 3. Mar-24-16 |      | 0.63   | IN   | RAINFALL                 |          |      |
| 4. Mar-25-16 |      | 0.84   | IN   | RAINFALL                 |          |      |
| 5. Mar-26-16 |      | 0.18   | IN   | RAINFALL                 |          |      |
| 6. Mar-27-16 |      | 1.44   | IN   | RAINFALL                 |          |      |
| 7. Mar-28-16 |      | 0.01   | IN   | RAINFALL                 |          |      |
| 8. Mar-31-16 |      | 0.4    | IN   | RAINFALL                 |          |      |
| 9. Apr-1-16  |      | 2.98   | IN   | RAINFALL                 |          |      |
| 10. Apr-2-16 |      | 0.27   | IN   | RAINFALL                 |          |      |

**Overall Moisture Conditions:** \_\_\_\_\_  
**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_\_

## APPLICATION DESCRIPTION

|                             | A         | B         | C         | D | E | F |
|-----------------------------|-----------|-----------|-----------|---|---|---|
| <b>Application Date:</b>    | Mar-22-16 | Apr-19-16 | Apr-29-16 |   |   |   |
| <b>Time of Day:</b>         | 8:40 AM   | 9:30 AM   | 8:00 AM   |   |   |   |
| <b>Application Method:</b>  | BROADCAST | BROADCAST | BROADCAST |   |   |   |
| <b>Application Timing:</b>  | PRE       | EPOST     | LPOST     |   |   |   |
| <b>Applic. Placement:</b>   | SOIL      | FOLIAGE   | FOLIAGE   |   |   |   |
| <b>Air Temp., Unit:</b>     | 44 F      | 66 F      | 70 F      |   |   |   |
| <b>% Relative Humidity:</b> | 91        | 43        | 97        |   |   |   |
| <b>Wind Velocity, Unit:</b> | 0 MPH     | 0 MPH     | 0 MPH     |   |   |   |
| <b>Dew Presence (Y/N):</b>  | Y         | Y         | Y         |   |   |   |
| <b>Water Hardness:</b>      | --        | --        | --        |   |   |   |
| <b>Soil Temp., Unit:</b>    | 53 F      | 66 F      | 73 F      |   |   |   |
| <b>Soil Moisture:</b>       | OPTIMUM   | OPTIMUM   | OPTIMUM   |   |   |   |
| <b>% Cloud Cover:</b>       | 0         | 5         | 0         |   |   |   |

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| CROP STAGE AT EACH APPLICATION |               | A     | B     | C     | D     | E     | F     |
|--------------------------------|---------------|-------|-------|-------|-------|-------|-------|
| Crop 1                         | Stage: ZEAMA  | _____ | _____ | _____ | _____ | _____ | _____ |
|                                | Stage Scale:  | _____ | V4-V5 | V7-V8 | _____ | _____ | _____ |
|                                | Height, Unit: | _____ | 6 IN  | 13 IN | _____ | _____ | _____ |

  

| WEED STAGE AT EACH APPLICATION |                | A     | B      | C     | D     | E     | F     |
|--------------------------------|----------------|-------|--------|-------|-------|-------|-------|
| Weed 1                         | Stage: AMAPA   | _____ | 0.5"   | _____ | _____ | _____ | _____ |
|                                | Stage Scale:   | _____ | 2-4 LF | _____ | _____ | _____ | _____ |
|                                | Density, Unit: | _____ | _____  | _____ | _____ | _____ | _____ |
| Weed 2                         | Stage: AGRASS  | _____ | 0.5"   | 1-2"  | _____ | _____ | _____ |
|                                | Stage Scale:   | _____ | 1-2 LF | _____ | _____ | _____ | _____ |
|                                | Density, Unit: | _____ | _____  | _____ | _____ | _____ | _____ |
| Weed 3                         | Stage: LAMAM   | _____ | 0.5"   | 1"    | _____ | _____ | _____ |
|                                | Stage Scale:   | _____ | _____  | _____ | _____ | _____ | _____ |
|                                | Density, Unit: | _____ | _____  | _____ | _____ | _____ | _____ |
| Weed 4                         | Stage: RAPRA   | _____ | 1-2"   | 3-6"  | _____ | _____ | _____ |
|                                | Stage Scale:   | _____ | 4-6 LF | _____ | _____ | _____ | _____ |
|                                | Density, Unit: | _____ | _____  | _____ | _____ | _____ | _____ |

  

| APPLICATION EQUIPMENT |          | A         | B     | C         | D     | E     | F     |
|-----------------------|----------|-----------|-------|-----------|-------|-------|-------|
| Appl. Equipment:      | BACKPACK | SAME AS A | _____ | SAME AS A | _____ | _____ | _____ |
| Operating Pressure:   | 38       | _____     | _____ | _____     | _____ | _____ | _____ |
| Nozzle Type:          | AIXR     | _____     | _____ | _____     | _____ | _____ | _____ |
| Nozzle Size:          | 11002    | _____     | _____ | _____     | _____ | _____ | _____ |
| Nozzle Spacing, Unit: | 20       | IN        | _____ | _____     | _____ | _____ | _____ |
| Nozzles/Row:          | _____    | _____     | _____ | _____     | _____ | _____ | _____ |
| Band Width, Unit:     | _____    | _____     | _____ | _____     | _____ | _____ | _____ |
| Boom Length, Unit:    | 60       | IN        | _____ | _____     | _____ | _____ | _____ |
| Boom Height, Unit:    | 20       | IN        | _____ | _____     | _____ | _____ | _____ |
| Ground Speed, Unit:   | 3.5      | MPH       | _____ | _____     | _____ | _____ | _____ |
| Incorporation Equip.: | _____    | _____     | _____ | _____     | _____ | _____ | _____ |
| Hours to Incorp.:     | _____    | _____     | _____ | _____     | _____ | _____ | _____ |
| Incorp. Depth, Unit:  | _____    | _____     | _____ | _____     | _____ | _____ | _____ |
| Carrier:              | WATER    | _____     | _____ | _____     | _____ | _____ | _____ |
| Spray Volume, Unit:   | 15       | GPA       | _____ | _____     | _____ | _____ | _____ |
| Spray pH:             | _____    | _____     | _____ | _____     | _____ | _____ | _____ |
| Propellant:           | CO2      | _____     | _____ | _____     | _____ | _____ | _____ |
| Tank Mix (Y/N):       | _____    | _____     | _____ | _____     | _____ | _____ | _____ |

  

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

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| ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL<br>IN FIELD CORN |           |                               |      |      |      |      |          |          |          |           |           |           |       |
|-------------------------------------------------------------|-----------|-------------------------------|------|------|------|------|----------|----------|----------|-----------|-----------|-----------|-------|
| Trial ID: CN-02-16                                          |           | Study Dir.: CRAIG HEIM        |      |      |      |      |          |          |          |           |           |           |       |
| Location: PONDER FARM                                       |           | Investigator: Eric P. Prostko |      |      |      |      |          |          |          |           |           |           |       |
| Weed Code                                                   |           |                               |      |      |      |      | -----    | AGRASS   | AMAPA    | -----     | AMAPA     | AGRASS    |       |
| Crop Code                                                   |           |                               |      |      |      |      | ZEAMA    | -----    |          | ZEAMA     | -----     |           |       |
| Part Rated                                                  |           |                               |      |      |      |      | PLANT -  |          |          | PLANT -   |           |           |       |
| Rating Data Type                                            |           |                               |      |      |      |      | STUNTING | CONTROL  | CONTROL  | STUNTING  | CONTROL   | CONTROL   |       |
| Rating Unit                                                 |           |                               |      |      |      |      | PERCENT  | PERCENT  | PERCENT  | PERCENT   | PERCENT   | PERCENT   |       |
| Rating Date                                                 |           |                               |      |      |      |      | Apr-7-16 | Apr-7-16 | Apr-7-16 | Apr-18-16 | Apr-18-16 | Apr-18-16 |       |
| PRM Data Type                                               |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| # Subsamples, Dec.                                          |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| Trt                                                         | Treatment | Form                          | Form | Rate | Grow | Appl |          |          |          |           |           |           |       |
| No.                                                         | Name      | Conc                          | Type | Rate | Unit | Stg  | Code     | 1        | 2        | 3         | 4         | 5         | 6     |
| 1 NTC                                                       |           |                               |      |      |      |      |          | 0.0 c    | 0.0 c    | 0.0 b     | 0.0 d     | 0.0 c     | 0.0 c |
| 2 ANTHEM MAX                                                |           |                               |      |      |      |      | 5.0 bc   | 98.0 b   | 99.0 a   | 7.5 b     | 99.0 a    | 99.0 a    |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 3 ANTHEM MAX                                                |           |                               |      |      |      |      | 7.5 ab   | 99.0 a   | 99.0 a   | 11.3 a    | 99.0 a    | 93.0 b    |       |
| SOLSTICE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 4 ANTHEM MAX                                                |           |                               |      |      |      |      | 5.0 bc   | 99.0 a   | 99.0 a   | 5.0 bc    | 99.0 a    | 96.8 ab   |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| SOLSTICE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 5 ANTHEM MAX                                                |           |                               |      |      |      |      | 10.0 a   | 99.0 a   | 99.0 a   | 3.8 c     | 99.0 a    | 99.0 a    |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| BALANCE FLEXX                                               |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 6 ACURON                                                    |           |                               |      |      |      |      | 7.5 ab   | 99.0 a   | 99.0 a   | 5.0 bc    | 99.0 a    | 99.0 a    |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 7 CORVUS                                                    |           |                               |      |      |      |      | 2.5 c    | 99.0 a   | 99.0 a   | 5.0 bc    | 99.0 a    | 99.0 a    |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 8 HALEX GT                                                  |           |                               |      |      |      |      | 0.0 c    | 0.0 c    | 0.0 b    | 0.0 d     | 0.0 c     | 0.0 c     |       |
| NIS                                                         |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 9 SOLSTICE                                                  |           |                               |      |      |      |      | 0.0 c    | 0.0 c    | 0.0 b    | 0.0 d     | 0.0 c     | 0.0 c     |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 10 SOLSTICE                                                 |           |                               |      |      |      |      | 0.0 c    | 0.0 c    | 0.0 b    | 0.0 d     | 0.0 c     | 0.0 c     |       |
| ANTHEM MAXX                                                 |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 11 SOLSTICE                                                 |           |                               |      |      |      |      | 0.0 c    | 0.0 c    | 0.0 b    | 0.0 d     | 0.0 c     | 0.0 c     |       |
| ANTHEM MAXX                                                 |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ATRAZINE                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| 12 ANTHEM MAXX                                              |           |                               |      |      |      |      | 5.0 bc   | 99.0 a   | 99.0 a   | 12.5 a    | 99.0 a    | 99.0 a    |       |
| SHARPEN                                                     |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| ROUNDUP PMAX                                                |           |                               |      |      |      |      |          |          |          |           |           |           |       |
| AMS XTRA                                                    |           |                               |      |      |      |      |          |          |          |           |           |           |       |

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Could not calculate LSD (% mean diff) for columns 3,9,14,16,20 because error mean square = 0.

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| Weed Code          |                   |           |           |           |          |           | -----    | AGRASS    | AMAPA    | -----     | AMAPA     | AGRASS    |
|--------------------|-------------------|-----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|
| Crop Code          |                   |           |           |           |          |           | ZEAMA    | -----     | -----    | ZEAMA     | -----     | -----     |
| Part Rated         |                   |           |           |           |          |           | PLANT -  |           |          | PLANT -   |           |           |
| Rating Data Type   |                   |           |           |           |          |           | STUNTING | CONTROL   | CONTROL  | STUNTING  | CONTROL   | CONTROL   |
| Rating Unit        |                   |           |           |           |          |           | PERCENT  | PERCENT   | PERCENT  | PERCENT   | PERCENT   | PERCENT   |
| Rating Date        |                   |           |           |           |          |           | Apr-7-16 | Apr-7-16  | Apr-7-16 | Apr-18-16 | Apr-18-16 | Apr-18-16 |
| PRM Data Type      |                   |           |           |           |          |           |          |           |          |           |           |           |
| # Subsamples, Dec. |                   |           |           |           |          |           |          |           |          |           |           |           |
| Trt No.            | Treatment Name    | Form Conc | Form Type | Rate Rate | Grow Stg | Appl Code | 1        | 2         | 3        | 4         | 5         | 6         |
|                    | 13 DUAL II MAGNUM | 7.64 EC   | 16.0 oz/a | PRE A     |          |           | 2.5 c    | 99.0 a    | 99.0 a   | 5.0 bc    | 98.0 b    | 93.3 b    |
|                    | ROUNDUP PMAX      | 5.5 SL    | 32.0 oz/a | EPOST B   |          |           |          |           |          |           |           |           |
|                    | ATRAZINE          | 4 L       | 64.0 oz/a | EPOST B   |          |           |          |           |          |           |           |           |
| LSD P=.10          |                   |           |           |           |          |           | 4.31     | 0.66      | .        | 3.24      | 0.66      | 4.54      |
| Standard Deviation |                   |           |           |           |          |           | 3.61     | 0.55      | 0.00     | 2.71      | 0.55      | 3.81      |
| CV                 |                   |           |           |           |          |           | 104.3    | 0.91      | 0.0      | 64.06     | 0.91      | 6.36      |
| Grand Mean         |                   |           |           |           |          |           | 3.46     | 60.85     | 60.92    | 4.23      | 60.85     | 59.85     |
| Bartlett's X2      |                   |           |           |           |          |           | 0.203    | 0.0       | 0.0      | 3.642     | 0.0       | 2.718     |
| P(Bartlett's X2)   |                   |           |           |           |          |           | 1.00     | .         | .        | 0.82      | .         | 0.257     |
| Replicate F        |                   |           |           |           |          |           | 3.344    | 1.000     | 0.000    | 3.316     | 1.000     | 2.665     |
| Replicate Prob(F)  |                   |           |           |           |          |           | 0.0297   | 0.4040    | 1.0000   | 0.0306    | 0.4040    | 0.0624    |
| Treatment F        |                   |           |           |           |          |           | 3.689    | 32588.503 | 0.000    | 10.004    | 32588.503 | 670.555   |
| Treatment Prob(F)  |                   |           |           |           |          |           | 0.0012   | 0.0001    | 1.0000   | 0.0001    | 0.0001    | 0.0001    |

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| Weed Code<br>Crop Code<br>Part Rated<br>Rating Data Type<br>Rating Unit<br>Rating Date<br>PRM Data Type<br># Subsamples, Dec. |               |      |      |      |       |       | LAMAM<br>-----<br>CONTROL<br>PERCENT<br>Apr-18-16 | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>Apr-27-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | LAMAM<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | RAPRA<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------|------|------|-------|-------|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Trt                                                                                                                           | Treatment     | Form | Form | Rate | Grow  | Appl  | 7                                                 | 8                                                             | 9                                                 | 10                                                 | 11                                                | 12                                                |
| No.                                                                                                                           | Name          | Conc | Type | Rate | Unit  | Stg   | Code                                              |                                                               |                                                   |                                                    |                                                   |                                                   |
| 1                                                                                                                             | NTC           |      |      |      |       |       |                                                   | 0.0 c                                                         | 0.0 f                                             | 0.0 b                                              | 0.0 b                                             | 0.0 c                                             |
| 2                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE   | A                                                 | 99.0 a                                                        | 15.0 ab                                           | 99.0 a                                             | 94.3 a                                            | 99.0 a                                            |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE   | A                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 3                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE   | A                                                 | 98.0 b                                                        | 17.5 a                                            | 99.0 a                                             | 99.0 a                                            | 99.0 a                                            |
|                                                                                                                               | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 4                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE   | A                                                 | 99.0 a                                                        | 17.5 a                                            | 99.0 a                                             | 99.0 a                                            | 99.0 a                                            |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE   | A                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ATRAZINE      | 4    | L    | 16.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 5                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE   | A                                                 | 99.0 a                                                        | 12.5 a-d                                          | 99.0 a                                             | 99.0 a                                            | 99.0 a                                            |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE   | A                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | BALANCE FLEXX | 2    | SC   | 2.0  | oz/a  | PRE   | A                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 6                                                                                                                             | ACURON        | 3.44 | SC   | 80.0 | oz/a  | PRE   | A                                                 | 99.0 a                                                        | 13.8 abc                                          | 99.0 a                                             | 94.3 a                                            | 99.0 a                                            |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 7                                                                                                                             | CORVUS        | 2.63 | SC   | 5.6  | oz/a  | PRE   | A                                                 | 99.0 a                                                        | 11.3 a-d                                          | 99.0 a                                             | 98.0 a                                            | 99.0 a                                            |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE   | A                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 8                                                                                                                             | HALEX GT      | 4.84 | EC   | 58.0 | oz/a  | EPOST | B                                                 | 0.0 c                                                         | 2.5 ef                                            | 99.0 a                                             | 99.0 a                                            | 99.0 a                                            |
|                                                                                                                               | NIS           |      |      | 0.25 | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 9                                                                                                                             | SOLSTICE      | 4    | SC   | 3.15 | oz/a  | EPOST | B                                                 | 0.0 c                                                         | 2.5 ef                                            | 99.0 a                                             | 99.0 a                                            | 99.0 a                                            |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 10                                                                                                                            | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST | B                                                 | 0.0 c                                                         | 6.3 c-f                                           | 99.0 a                                             | 99.0 a                                            | 99.0 a                                            |
|                                                                                                                               | ANTHEM MAXX   | 4.3  | SC   | 2.0  | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 11                                                                                                                            | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST | B                                                 | 0.0 c                                                         | 5.0 def                                           | 99.0 a                                             | 96.8 a                                            | 99.0 a                                            |
|                                                                                                                               | ANTHEM MAXX   | 4.3  | SC   | 2.0  | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ATRAZINE      | 4    | L    | 16.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
| 12                                                                                                                            | ANTHEM MAXX   | 4.3  | SC   | 4.0  | oz/a  | PRE   | A                                                 | 99.0 a                                                        | 16.3 ab                                           | 99.0 a                                             | 98.0 a                                            | 95.5 b                                            |
|                                                                                                                               | SHARPEN       | 2.85 | SC   | 3.9  | oz/a  | PRE   | A                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST | C                                                 |                                                               |                                                   |                                                    |                                                   |                                                   |

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|                    |         |           |       |      |      |           |           |           |           |           |           |           |           |           |           |
|--------------------|---------|-----------|-------|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Weed Code          |         |           |       |      |      | LAMAM     | -----     | AMAPA     | -----     | AGRASS    | -----     | LAMAM     | -----     | RAPRA     | -----     |
| Crop Code          |         |           |       |      |      | -----     | ZEAMA     | -----     |           |           |           | -----     |           |           |           |
| Part Rated         |         |           |       |      |      |           | PLANT -   |           |           |           |           |           |           |           |           |
| Rating Data Type   |         |           |       |      |      | CONTROL   | STUNTING  | CONTROL   | CONTROL   | CONTROL   | CONTROL   | CONTROL   | CONTROL   | CONTROL   | CONTROL   |
| Rating Unit        |         |           |       |      |      | PERCENT   | PERCENT   | PERCENT   | PERCENT   | PERCENT   | PERCENT   | PERCENT   | PERCENT   | PERCENT   | PERCENT   |
| Rating Date        |         |           |       |      |      | Apr-18-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 | Apr-27-16 |
| PRM Data Type      |         |           |       |      |      |           |           |           |           |           |           |           |           |           |           |
| # Subsamples, Dec. |         |           |       |      |      |           |           |           |           |           |           |           |           |           |           |
| Trt Treatment      | Form    | Form      | Rate  | Grow | Appl |           |           |           |           |           |           |           |           |           |           |
| No. Name           | Conc    | Type      | Unit  | Stg  | Code | 7         | 8         | 9         | 10        | 11        | 12        |           |           |           |           |
| 13 DUAL II MAGNUM  | 7.64 EC | 16.0 oz/a | PRE   | A    |      | 99.0 a    | 8.8 b-e   | 99.0 a    | 99.0 a    | 99.0 a    | 99.0 a    |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL  | 32.0 oz/a | EPOST | B    |      |           |           |           |           |           |           |           |           |           |           |
| ATRAZINE           | 4 L     | 64.0 oz/a | EPOST | B    |      |           |           |           |           |           |           |           |           |           |           |
| LSD P=.10          |         |           |       |      |      | 0.66      | 7.48      | .         | 4.70      | 8.11      | 2.32      |           |           |           |           |
| Standard Deviation |         |           |       |      |      | 0.55      | 6.27      | 0.00      | 3.94      | 6.80      | 1.94      |           |           |           |           |
| CV                 |         |           |       |      |      | 0.91      | 63.27     | 0.0       | 4.36      | 7.51      | 2.13      |           |           |           |           |
| Grand Mean         |         |           |       |      |      | 60.85     | 9.90      | 91.38     | 90.33     | 90.44     | 91.12     |           |           |           |           |
| Bartlett's X2      |         |           |       |      |      | 0.0       | 13.826    | 0.0       | 11.16     | 0.0       | 0.0       |           |           |           |           |
| P(Bartlett's X2)   |         |           |       |      |      | .         | 0.243     | .         | 0.025*    | .         | .         |           |           |           |           |
| Replicate F        |         |           |       |      |      | 1.000     | 5.139     | 0.000     | 1.441     | 1.000     | 1.000     |           |           |           |           |
| Replicate Prob(F)  |         |           |       |      |      | 0.4040    | 0.0046    | 1.0000    | 0.2470    | 0.4040    | 0.4040    |           |           |           |           |
| Treatment F        |         |           |       |      |      | 32588.503 | 3.833     | 0.000     | 190.486   | 64.966    | 796.367   |           |           |           |           |
| Treatment Prob(F)  |         |           |       |      |      | 0.0001    | 0.0009    | 1.0000    | 0.0001    | 0.0001    | 0.0001    |           |           |           |           |

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| Weed Code<br>Crop Code<br>Part Rated<br>Rating Data Type<br>Rating Unit<br>Rating Date<br>PRM Data Type<br># Subsamples, Dec. |                                                                            |              |              |              |               |                | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>May-5-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>May-5-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>May-5-16 | RAPRA<br>-----<br>CONTROL<br>PERCENT<br>May-5-16 | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>May-18-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>May-18-16 |         |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------|--------------|--------------|---------------|----------------|--------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------|---------|
| Trt<br>No.                                                                                                                    | Treatment<br>Name                                                          | Form<br>Conc | Form<br>Type | Rate<br>Rate | Grow<br>Unit  | Appl<br>Stg    | Code                                                         | 13                                               | 14                                                | 15                                               | 16                                                            | 17                                                | 18      |
| 1                                                                                                                             | NTC                                                                        |              |              |              |               |                |                                                              | 0.0 b                                            | 0.0 b                                             | 0.0 c                                            | 0.0 b                                                         | 0.0 a                                             | 0.0 c   |
| 2                                                                                                                             | ANTHEM MAX<br>ATRAZINE<br>ROUNDUP PMAX<br>AMS XTRA                         | 4.3<br>4     | SC<br>L      | 4.0<br>32.0  | oz/a<br>oz/a  | PRE<br>PRE     | A<br>A                                                       | 16.3 a                                           | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 0.0 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 5.5<br>3.4   | SL<br>SL     | 32.0<br>2.5  | oz/a<br>% v/v | LPOST<br>LPOST | C<br>C                                                       |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 3                                                                                                                             | ANTHEM MAX<br>SOLSTICE<br>ATRAZINE<br>ROUNDUP PMAX<br>AMS XTRA             | 4.3<br>4     | SC<br>SC     | 4.0<br>2.5   | oz/a<br>oz/a  | PRE<br>EPOST   | A<br>B                                                       | 17.5 a                                           | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 5.0 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 4<br>5.5     | L<br>SL      | 32.0<br>32.0 | oz/a<br>oz/a  | EPOST<br>EPOST | B<br>B                                                       |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 4                                                                                                                             | ANTHEM MAX<br>ATRAZINE<br>SOLSTICE<br>ATRAZINE<br>ROUNDUP PMAX<br>AMS XTRA | 4.3<br>4     | SC<br>L      | 4.0<br>32.0  | oz/a<br>oz/a  | PRE<br>PRE     | A<br>A                                                       | 17.5 a                                           | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 2.5 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 4<br>4       | SC<br>L      | 2.5<br>16.0  | oz/a<br>oz/a  | EPOST<br>EPOST | B<br>B                                                       |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 5.5          | SL           | 32.0         | oz/a          | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 5                                                                                                                             | ANTHEM MAX<br>ATRAZINE<br>BALANCE FLEXX<br>ROUNDUP PMAX<br>AMS XTRA        | 4.3<br>4     | SC<br>L      | 4.0<br>32.0  | oz/a<br>oz/a  | PRE<br>PRE     | A<br>A                                                       | 3.8 b                                            | 99.0 a                                            | 98.0 b                                           | 99.0 a                                                        | 0.0 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 2            | SC           | 2.0          | oz/a          | PRE            | A                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 5.5          | SL           | 32.0         | oz/a          | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 6                                                                                                                             | ACURON<br>ROUNDUP PMAX<br>AMS XTRA                                         | 3.44<br>5.5  | SC<br>SL     | 80.0<br>32.0 | oz/a<br>oz/a  | PRE<br>LPOST   | A<br>C                                                       | 13.8 a                                           | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 0.0 a                                             | 96.8 ab |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | LPOST          | C                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 7                                                                                                                             | CORVUS<br>ATRAZINE<br>ROUNDUP PMAX<br>AMS XTRA                             | 2.63<br>4    | SC<br>L      | 5.6<br>32.0  | oz/a<br>oz/a  | PRE<br>PRE     | A<br>A                                                       | 5.0 b                                            | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 3.8 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 5.5          | SL           | 32.0         | oz/a          | LPOST          | C                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | LPOST          | C                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 8                                                                                                                             | HALEX GT<br>NIS<br>AMS XTRA                                                | 4.84         | EC           | 58.0         | oz/a          | EPOST          | B                                                            | 0.0 b                                            | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 0.0 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            |              |              | 0.25         | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 9                                                                                                                             | SOLSTICE<br>ATRAZINE<br>ROUNDUP PMAX<br>AMS XTRA                           | 4<br>4       | SC<br>L      | 3.15<br>32.0 | oz/a<br>oz/a  | EPOST<br>EPOST | B<br>B                                                       | 1.3 b                                            | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 0.0 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 5.5          | SL           | 32.0         | oz/a          | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 10                                                                                                                            | SOLSTICE<br>ANTHEM MAXX<br>ROUNDUP PMAX<br>AMS XTRA                        | 4<br>4.3     | SC<br>SC     | 2.5<br>2.0   | oz/a<br>oz/a  | EPOST<br>EPOST | B<br>B                                                       | 0.0 b                                            | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 0.0 a                                             | 98.0 ab |
|                                                                                                                               |                                                                            | 5.5          | SL           | 32.0         | oz/a          | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 11                                                                                                                            | SOLSTICE<br>ANTHEM MAXX<br>ATRAZINE<br>ROUNDUP PMAX<br>AMS XTRA            | 4<br>4.3     | SC<br>SC     | 2.5<br>2.0   | oz/a<br>oz/a  | EPOST<br>EPOST | B<br>B                                                       | 3.8 b                                            | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 1.3 a                                             | 99.0 a  |
|                                                                                                                               |                                                                            | 4<br>5.5     | L<br>SL      | 16.0<br>32.0 | oz/a<br>oz/a  | EPOST<br>EPOST | B<br>B                                                       |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | EPOST          | B                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
| 12                                                                                                                            | ANTHEM MAXX<br>SHARPEN<br>ROUNDUP PMAX<br>AMS XTRA                         | 4.3<br>2.85  | SC<br>SC     | 4.0<br>3.9   | oz/a<br>oz/a  | PRE<br>PRE     | A<br>A                                                       | 16.3 a                                           | 99.0 a                                            | 99.0 a                                           | 99.0 a                                                        | 11.3 a                                            | 95.8 b  |
|                                                                                                                               |                                                                            | 5.5          | SL           | 32.0         | oz/a          | LPOST          | C                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |
|                                                                                                                               |                                                                            | 3.4          | SL           | 2.5          | % v/v         | LPOST          | C                                                            |                                                  |                                                   |                                                  |                                                               |                                                   |         |

| Weed Code          |         |           |       |      |      |      | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>May-5-16 | AMAPA<br>----- | AGRASS<br>----- | RAPRA<br>----- | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>May-18-16 | AMAPA<br>----- |
|--------------------|---------|-----------|-------|------|------|------|--------------------------------------------------------------|----------------|-----------------|----------------|---------------------------------------------------------------|----------------|
| Crop Code          |         |           |       |      |      |      |                                                              |                |                 |                |                                                               |                |
| Part Rated         |         |           |       |      |      |      |                                                              |                |                 |                |                                                               |                |
| Rating Data Type   |         |           |       |      |      |      |                                                              | CONTROL        | CONTROL         | CONTROL        |                                                               | CONTROL        |
| Rating Unit        |         |           |       |      |      |      |                                                              | PERCENT        | PERCENT         | PERCENT        |                                                               | PERCENT        |
| Rating Date        |         |           |       |      |      |      |                                                              | May-5-16       | May-5-16        | May-5-16       |                                                               | May-18-16      |
| PRM Data Type      |         |           |       |      |      |      |                                                              |                |                 |                |                                                               |                |
| # Subsamples, Dec. |         |           |       |      |      |      |                                                              |                |                 |                |                                                               |                |
| Trt Treatment      | Form    | Form      | Rate  | Grow | Appl |      |                                                              |                |                 |                |                                                               |                |
| No. Name           | Conc    | Type      | Rate  | Unit | Stg  | Code | 13                                                           | 14             | 15              | 16             | 17                                                            | 18             |
| 13 DUAL II MAGNUM  | 7.64 EC | 16.0 oz/a | PRE   | A    |      |      | 1.3 b                                                        | 99.0 a         | 99.0 a          | 99.0 a         | 2.5 a                                                         | 99.0 a         |
| ROUNDUP PMAX       | 5.5 SL  | 32.0 oz/a | EPOST | B    |      |      |                                                              |                |                 |                |                                                               |                |
| ATRAZINE           | 4 L     | 64.0 oz/a | EPOST | B    |      |      |                                                              |                |                 |                |                                                               |                |
| LSD P=.10          |         |           |       |      |      |      | 6.92                                                         | .              | 0.66            | .              | 5.93                                                          | 2.21           |
| Standard Deviation |         |           |       |      |      |      | 5.80                                                         | 0.00           | 0.55            | 0.00           | 4.97                                                          | 1.85           |
| CV                 |         |           |       |      |      |      | 78.32                                                        | 0.0            | 0.61            | 0.0            | 246.16                                                        | 2.03           |
| Grand Mean         |         |           |       |      |      |      | 7.40                                                         | 91.38          | 91.31           | 91.38          | 2.02                                                          | 90.88          |
| Bartlett's X2      |         |           |       |      |      |      | 8.809                                                        | 0.0            | 0.0             | 0.0            | 9.421                                                         | 1.918          |
| P(Bartlett's X2)   |         |           |       |      |      |      | 0.455                                                        | .              | .               | .              | 0.093                                                         | 0.383          |
| Replicate F        |         |           |       |      |      |      | 0.205                                                        | 0.000          | 1.000           | 0.000          | 2.251                                                         | 0.427          |
| Replicate Prob(F)  |         |           |       |      |      |      | 0.8923                                                       | 1.0000         | 0.4040          | 1.0000         | 0.0991                                                        | 0.7346         |
| Treatment F        |         |           |       |      |      |      | 6.674                                                        | 0.000          | 9785.501        | 0.000          | 1.709                                                         | 873.469        |
| Treatment Prob(F)  |         |           |       |      |      |      | 0.0001                                                       | 1.0000         | 0.0001          | 1.0000         | 0.1058                                                        | 0.0001         |

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|                    |                              |            |       |   |  |           |           |           |           |
|--------------------|------------------------------|------------|-------|---|--|-----------|-----------|-----------|-----------|
| Weed Code          |                              |            |       |   |  | AGRASS    | RAPRA     | -----     | -----     |
| Crop Code          |                              |            |       |   |  | -----     | -----     | ZEAMA     | ZEAMA     |
| Part Rated         |                              |            |       |   |  |           |           | PLOT -    | PLOT -    |
| Rating Data Type   |                              |            |       |   |  | CONTROL   | CONTROL   | YIELD     | YIELD     |
| Rating Unit        |                              |            |       |   |  | PERCENT   | PERCENT   | LBS/PLOT  | BU/A      |
| Rating Date        |                              |            |       |   |  | May-18-16 | May-18-16 | Aug-16-16 | Aug-16-16 |
| PRM Data Type      |                              |            |       |   |  |           |           |           | TY1       |
| # Subsamples, Dec. |                              |            |       |   |  |           |           | - 1       | - 0       |
| Trt Treatment      | Form Form                    | Rate Grow  | Appl  |   |  |           |           |           |           |
| No. Name           | Conc Type Rate Unit Stg Code |            |       |   |  | 19        | 20        | 21        | 22        |
| 1 NTC              |                              |            |       |   |  | 0.0 c     | 0.0 b     | 38.3 a    | 228 a     |
| 2 ANTHEM MAX       | 4.3 SC                       | 4.0 oz/a   | PRE   | A |  | 99.0 a    | 99.0 a    | 46.5 a    | 277 a     |
| ATRAZINE           | 4 L                          | 32.0 oz/a  | PRE   | A |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | LPOST | C |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | LPOST | C |  |           |           |           |           |
| 3 ANTHEM MAX       | 4.3 SC                       | 4.0 oz/a   | PRE   | A |  | 95.5 a    | 99.0 a    | 41.3 a    | 246 a     |
| SOLSTICE           | 4 SC                         | 2.5 oz/a   | EPOST | B |  |           |           |           |           |
| ATRAZINE           | 4 L                          | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 4 ANTHEM MAX       | 4.3 SC                       | 4.0 oz/a   | PRE   | A |  | 95.5 a    | 99.0 a    | 46.5 a    | 277 a     |
| ATRAZINE           | 4 L                          | 32.0 oz/a  | PRE   | A |  |           |           |           |           |
| SOLSTICE           | 4 SC                         | 2.5 oz/a   | EPOST | B |  |           |           |           |           |
| ATRAZINE           | 4 L                          | 16.0 oz/a  | EPOST | B |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 5 ANTHEM MAX       | 4.3 SC                       | 4.0 oz/a   | PRE   | A |  | 99.0 a    | 99.0 a    | 46.5 a    | 277 a     |
| ATRAZINE           | 4 L                          | 32.0 oz/a  | PRE   | A |  |           |           |           |           |
| BALANCE FLEXX      | 2 SC                         | 2.0 oz/a   | PRE   | A |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 6 ACURON           | 3.44 SC                      | 80.0 oz/a  | PRE   | A |  | 99.0 a    | 99.0 a    | 44.3 a    | 264 a     |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | LPOST | C |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | LPOST | C |  |           |           |           |           |
| 7 CORVUS           | 2.63 SC                      | 5.6 oz/a   | PRE   | A |  | 99.0 a    | 99.0 a    | 40.0 a    | 238 a     |
| ATRAZINE           | 4 L                          | 32.0 oz/a  | PRE   | A |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | LPOST | C |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | LPOST | C |  |           |           |           |           |
| 8 HALEX GT         | 4.84 EC                      | 58.0 oz/a  | EPOST | B |  | 99.0 a    | 99.0 a    | 48.5 a    | 289 a     |
| NIS                |                              | 0.25 % v/v | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 9 SOLSTICE         | 4 SC                         | 3.15 oz/a  | EPOST | B |  | 76.5 b    | 99.0 a    | 46.5 a    | 277 a     |
| ATRAZINE           | 4 L                          | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 10 SOLSTICE        | 4 SC                         | 2.5 oz/a   | EPOST | B |  | 99.0 a    | 99.0 a    | 48.3 a    | 287 a     |
| ANTHEM MAXX        | 4.3 SC                       | 2.0 oz/a   | EPOST | B |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 11 SOLSTICE        | 4 SC                         | 2.5 oz/a   | EPOST | B |  | 96.8 a    | 99.0 a    | 46.8 a    | 279 a     |
| ANTHEM MAXX        | 4.3 SC                       | 2.0 oz/a   | EPOST | B |  |           |           |           |           |
| ATRAZINE           | 4 L                          | 16.0 oz/a  | EPOST | B |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | EPOST | B |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | EPOST | B |  |           |           |           |           |
| 12 ANTHEM MAXX     | 4.3 SC                       | 4.0 oz/a   | PRE   | A |  | 99.0 a    | 99.0 a    | 40.4 a    | 241 a     |
| SHARPEN            | 2.85 SC                      | 3.9 oz/a   | PRE   | A |  |           |           |           |           |
| ROUNDUP PMAX       | 5.5 SL                       | 32.0 oz/a  | LPOST | C |  |           |           |           |           |
| AMS XTRA           | 3.4 SL                       | 2.5 % v/v  | LPOST | C |  |           |           |           |           |

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|                    |         |           |       |      |      |           |           |           |           |
|--------------------|---------|-----------|-------|------|------|-----------|-----------|-----------|-----------|
| Weed Code          |         |           |       |      |      | AGRASS    | RAPRA     | -----     | -----     |
| Crop Code          |         |           |       |      |      | -----     | -----     | ZEAMA     | ZEAMA     |
| Part Rated         |         |           |       |      |      |           |           | PLOT -    | PLOT -    |
| Rating Data Type   |         |           |       |      |      | CONTROL   | CONTROL   | YIELD     | YIELD     |
| Rating Unit        |         |           |       |      |      | PERCENT   | PERCENT   | LBS/PLOT  | BU/A      |
| Rating Date        |         |           |       |      |      | May-18-16 | May-18-16 | Aug-16-16 | Aug-16-16 |
| PRM Data Type      |         |           |       |      |      |           |           |           | TY1       |
| # Subsamples, Dec. |         |           |       |      |      |           |           | - 1       | - 0       |
| Trt Treatment      | Form    | Form      | Rate  | Grow | Appl |           |           |           |           |
| No. Name           | Conc    | Type      | Rate  | Unit | Stg  | Code      |           |           |           |
| 13 DUAL II MAGNUM  | 7.64 EC | 16.0 oz/a | PRE   | A    |      | 19        | 20        | 21        | 22        |
| ROUNDUP PMAX       | 5.5 SL  | 32.0 oz/a | EPOST | B    |      | 99.0 a    | 99.0 a    | 42.1 a    | 251 a     |
| ATRAZINE           | 4 L     | 64.0 oz/a | EPOST | B    |      |           |           |           |           |
| LSD P=.10          |         |           |       |      |      | 15.48     | .         | 6.41      | 38.2      |
| Standard Deviation |         |           |       |      |      | 12.96     | 0.00      | 5.37      | 32.0      |
| CV                 |         |           |       |      |      | 14.58     | 0.0       | 12.12     | 12.12     |
| Grand Mean         |         |           |       |      |      | 88.94     | 91.38     | 44.29     | 263.9     |
| Bartlett's X2      |         |           |       |      |      | 19.563    | 0.0       | 30.665    | 30.665    |
| P(Bartlett's X2)   |         |           |       |      |      | 0.001*    | .         | 0.002*    | 0.002*    |
| Replicate F        |         |           |       |      |      | 0.753     | 0.000     | 1.295     | 1.295     |
| Replicate Prob(F)  |         |           |       |      |      | 0.5281    | 1.0000    | 0.2909    | 0.2909    |
| Treatment F        |         |           |       |      |      | 17.894    | 0.000     | 1.655     | 1.655     |
| Treatment Prob(F)  |         |           |       |      |      | 0.0001    | 1.0000    | 0.1198    | 0.1198    |

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|                                                                                                                                                                                                                                                                                                           |             |               |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|-----------------|
| ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL<br>IN FIELD CORN                                                                                                                                                                                                                                               |             |               |                 |
| Trial ID:                                                                                                                                                                                                                                                                                                 | CN-02-16    | Study Dir.:   | CRAIG HEIM      |
| Location:                                                                                                                                                                                                                                                                                                 | PONDER FARM | Investigator: | Eric P. Prostko |
| <u>Weed Code</u><br>AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.<br>LAMAM = HENBIT / LAMIUM AMPLEXICAULE L.<br>RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.<br><u>Part Rated</u><br>PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)<br><u>PRM Data Type</u><br>TY1 = 5.957741*[21] |             |               |                 |

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| ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL<br>IN FIELD CORN |            |                               |      |      |       |        |          |          |          |           |           |           |      |      |      |
|-------------------------------------------------------------|------------|-------------------------------|------|------|-------|--------|----------|----------|----------|-----------|-----------|-----------|------|------|------|
| Trial ID: CN-02-16                                          |            | Study Dir.: CRAIG HEIM        |      |      |       |        |          |          |          |           |           |           |      |      |      |
| Location: PONDER FARM                                       |            | Investigator: Eric P. Prostko |      |      |       |        |          |          |          |           |           |           |      |      |      |
| Weed Code                                                   |            |                               |      |      |       |        | -----    | AGRASS   | AMAPA    | -----     | AMAPA     | AGRASS    |      |      |      |
| Crop Code                                                   |            |                               |      |      |       |        | ZEAMA    | -----    | -----    | ZEAMA     | -----     | -----     |      |      |      |
| Part Rated                                                  |            |                               |      |      |       |        | PLANT -  |          |          | PLANT -   |           |           |      |      |      |
| Rating Data Type                                            |            |                               |      |      |       |        | STUNTING | CONTROL  | CONTROL  | STUNTING  | CONTROL   | CONTROL   |      |      |      |
| Rating Unit                                                 |            |                               |      |      |       |        | PERCENT  | PERCENT  | PERCENT  | PERCENT   | PERCENT   | PERCENT   |      |      |      |
| Rating Date                                                 |            |                               |      |      |       |        | Apr-7-16 | Apr-7-16 | Apr-7-16 | Apr-18-16 | Apr-18-16 | Apr-18-16 |      |      |      |
| PRM Data Type                                               |            |                               |      |      |       |        |          |          |          |           |           |           |      |      |      |
| # Subsamples, Dec.                                          |            |                               |      |      |       |        |          |          |          |           |           |           |      |      |      |
| Trt                                                         | Treatment  | Form                          | Form | Rate | Grow  | Appl   |          |          |          |           |           |           |      |      |      |
| No.                                                         | Name       | Conc                          | Type | Rate | Unit  | Stg    | Code     | Plot     |          |           |           |           |      |      |      |
|                                                             |            |                               |      |      |       |        |          |          | 1        | 2         | 3         | 4         | 5    | 6    |      |
| 1                                                           | NTC        |                               |      |      |       |        | 101      |          | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      |      |       |        | 202      |          | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      |      |       |        | 307      |          | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      |      |       |        | 412      |          | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      |      |       |        | Mean =   |          | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
| 2                                                           | ANTHEM MAX | 4.3                           | SC   | 4.0  | oz/a  | PRE    | A        | 102      | 0.0      | 99.0      | 99.0      | 5.0       | 99.0 | 99.0 |      |
|                                                             |            |                               |      | 4    | L     | 32.0   | oz/a     | PRE      | A        | 213       | 0.0       | 95.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | LPOST    | C        | 304       | 10.0      | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | LPOST    | C        | 406       | 10.0      | 99.0      | 99.0 | 5.0  | 99.0 |
|                                                             |            |                               |      |      |       |        |          | Mean =   |          | 5.0       | 98.0      | 99.0      | 7.5  | 99.0 | 99.0 |
| 3                                                           | ANTHEM MAX | 4.3                           | SC   | 4.0  | oz/a  | PRE    | A        | 103      | 0.0      | 99.0      | 99.0      | 10.0      | 99.0 | 99.0 |      |
|                                                             |            |                               |      | 4    | SC    | 2.5    | oz/a     | EPOST    | B        | 208       | 10.0      | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 4    | L     | 32.0   | oz/a     | EPOST    | B        | 310       | 10.0      | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | EPOST    | B        | 403       | 10.0      | 99.0      | 99.0 | 15.0 | 99.0 |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | EPOST    | B        |           |           |           |      |      |      |
|                                                             |            |                               |      |      |       | Mean = |          | 7.5      | 99.0     | 99.0      | 11.3      | 99.0      | 93.0 |      |      |
| 4                                                           | ANTHEM MAX | 4.3                           | SC   | 4.0  | oz/a  | PRE    | A        | 104      | 0.0      | 99.0      | 99.0      | 0.0       | 99.0 | 99.0 |      |
|                                                             |            |                               |      | 4    | L     | 32.0   | oz/a     | PRE      | A        | 207       | 0.0       | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 4    | SC    | 2.5    | oz/a     | EPOST    | B        | 311       | 10.0      | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 4    | L     | 16.0   | oz/a     | EPOST    | B        | 405       | 10.0      | 99.0      | 99.0 | 0.0  | 99.0 |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | EPOST    | B        |           |           |           |      |      |      |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | EPOST    | B        |           |           |           |      |      |      |
|                                                             |            |                               |      |      |       | Mean = |          | 5.0      | 99.0     | 99.0      | 5.0       | 99.0      | 96.8 |      |      |
| 5                                                           | ANTHEM MAX | 4.3                           | SC   | 4.0  | oz/a  | PRE    | A        | 105      | 10.0     | 99.0      | 99.0      | 5.0       | 99.0 | 99.0 |      |
|                                                             |            |                               |      | 4    | L     | 32.0   | oz/a     | PRE      | A        | 201       | 10.0      | 99.0      | 99.0 | 5.0  | 99.0 |
|                                                             |            |                               |      | 2    | SC    | 2.0    | oz/a     | PRE      | A        | 306       | 10.0      | 99.0      | 99.0 | 5.0  | 99.0 |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | EPOST    | B        | 407       | 10.0      | 99.0      | 99.0 | 0.0  | 99.0 |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | EPOST    | B        |           |           |           |      |      |      |
|                                                             |            |                               |      |      |       | Mean = |          | 10.0     | 99.0     | 99.0      | 3.8       | 99.0      | 99.0 |      |      |
| 6                                                           | ACURON     | 3.44                          | SC   | 80.0 | oz/a  | PRE    | A        | 106      | 0.0      | 99.0      | 99.0      | 0.0       | 99.0 | 99.0 |      |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | LPOST    | C        | 212       | 10.0      | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | LPOST    | C        | 303       | 10.0      | 99.0      | 99.0 | 5.0  | 99.0 |
|                                                             |            |                               |      |      |       |        |          | 404      | 10.0     | 99.0      | 99.0      | 5.0       | 99.0 | 99.0 |      |
|                                                             |            |                               |      |      |       | Mean = |          | 7.5      | 99.0     | 99.0      | 5.0       | 99.0      | 99.0 |      |      |
| 7                                                           | CORVUS     | 2.63                          | SC   | 5.6  | oz/a  | PRE    | A        | 107      | 0.0      | 99.0      | 99.0      | 0.0       | 99.0 | 99.0 |      |
|                                                             |            |                               |      | 4    | L     | 32.0   | oz/a     | PRE      | A        | 211       | 0.0       | 99.0      | 99.0 | 10.0 | 99.0 |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | LPOST    | C        | 312       | 10.0      | 99.0      | 99.0 | 5.0  | 99.0 |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | LPOST    | C        | 409       | 0.0       | 99.0      | 99.0 | 5.0  | 99.0 |
|                                                             |            |                               |      |      |       | Mean = |          | 2.5      | 99.0     | 99.0      | 5.0       | 99.0      | 99.0 |      |      |
| 8                                                           | HALEX GT   | 4.84                          | EC   | 58.0 | oz/a  | EPOST  | B        | 108      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      | 0.25 | % v/v | EPOST  | B        | 209      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | EPOST    | B        | 313       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      |      |       |        |          | 411      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      |      |       | Mean = |          | 0.0      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  |      |      |
| 9                                                           | SOLSTICE   | 4                             | SC   | 3.15 | oz/a  | EPOST  | B        | 109      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      | 4    | L     | 32.0   | oz/a     | EPOST    | B        | 204       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | EPOST    | B        | 308       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | EPOST    | B        | 402       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      |      |       | Mean = |          | 0.0      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  |      |      |
| 10                                                          | SOLSTICE   | 4                             | SC   | 2.5  | oz/a  | EPOST  | B        | 110      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  | 0.0  |      |
|                                                             |            |                               |      | 4.3  | SC    | 2.0    | oz/a     | EPOST    | B        | 203       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      | 5.5  | SL    | 32.0   | oz/a     | EPOST    | B        | 301       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      | 3.4  | SL    | 2.5    | % v/v    | EPOST    | B        | 408       | 0.0       | 0.0       | 0.0  | 0.0  | 0.0  |
|                                                             |            |                               |      |      |       | Mean = |          | 0.0      | 0.0      | 0.0       | 0.0       | 0.0       | 0.0  |      |      |

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| Weed Code<br>Crop Code<br>Part Rated<br>Rating Data Type<br>Rating Unit<br>Rating Date<br>PRM Data Type<br># Subsamples, Dec. |                |      |      |      |       |       | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>Apr-7-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>Apr-7-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>Apr-7-16 | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>Apr-18-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>Apr-18-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>Apr-18-16 |      |      |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|------|------|------|-------|-------|--------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|------|------|
| Trt                                                                                                                           | Treatment      | Form | Form | Rate | Grow  | Appl  |                                                              |                                                   |                                                  |                                                               |                                                   |                                                    |      |      |
| No.                                                                                                                           | Name           | Conc | Type | Rate | Unit  | Stg   | Code                                                         | Plot                                              | 1                                                | 2                                                             | 3                                                 | 4                                                  | 5    | 6    |
| 11                                                                                                                            | SOLSTICE       | 4    | SC   | 2.5  | oz/a  | EPOST | B                                                            | 111                                               | 0.0                                              | 0.0                                                           | 0.0                                               | 0.0                                                | 0.0  | 0.0  |
|                                                                                                                               | ANTHEM MAXX    | 4.3  | SC   | 2.0  | oz/a  | EPOST | B                                                            | 205                                               | 0.0                                              | 0.0                                                           | 0.0                                               | 0.0                                                | 0.0  | 0.0  |
|                                                                                                                               | ATRAZINE       | 4    | L    | 16.0 | oz/a  | EPOST | B                                                            | 302                                               | 0.0                                              | 0.0                                                           | 0.0                                               | 0.0                                                | 0.0  | 0.0  |
|                                                                                                                               | ROUNDUP PMAX   | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                            | 410                                               | 0.0                                              | 0.0                                                           | 0.0                                               | 0.0                                                | 0.0  | 0.0  |
|                                                                                                                               | AMS XTRA       | 3.4  | SL   | 2.5  | % v/v | EPOST | B                                                            |                                                   |                                                  |                                                               |                                                   |                                                    |      |      |
|                                                                                                                               | Mean =         |      |      |      |       |       |                                                              |                                                   | 0.0                                              | 0.0                                                           | 0.0                                               | 0.0                                                | 0.0  | 0.0  |
| 12                                                                                                                            | ANTHEM MAXX    | 4.3  | SC   | 4.0  | oz/a  | PRE   | A                                                            | 112                                               | 0.0                                              | 99.0                                                          | 99.0                                              | 15.0                                               | 99.0 | 99.0 |
|                                                                                                                               | SHARPEN        | 2.85 | SC   | 3.9  | oz/a  | PRE   | A                                                            | 206                                               | 0.0                                              | 99.0                                                          | 99.0                                              | 10.0                                               | 99.0 | 99.0 |
|                                                                                                                               | ROUNDUP PMAX   | 5.5  | SL   | 32.0 | oz/a  | LPOST | C                                                            | 305                                               | 10.0                                             | 99.0                                                          | 99.0                                              | 15.0                                               | 99.0 | 99.0 |
|                                                                                                                               | AMS XTRA       | 3.4  | SL   | 2.5  | % v/v | LPOST | C                                                            | 413                                               | 10.0                                             | 99.0                                                          | 99.0                                              | 10.0                                               | 99.0 | 99.0 |
|                                                                                                                               | Mean =         |      |      |      |       |       |                                                              |                                                   | 5.0                                              | 99.0                                                          | 99.0                                              | 12.5                                               | 99.0 | 99.0 |
| 13                                                                                                                            | DUAL II MAGNUM | 7.64 | EC   | 16.0 | oz/a  | PRE   | A                                                            | 113                                               | 10.0                                             | 99.0                                                          | 99.0                                              | 5.0                                                | 95.0 | 90.0 |
|                                                                                                                               | ROUNDUP PMAX   | 5.5  | SL   | 32.0 | oz/a  | EPOST | B                                                            | 210                                               | 0.0                                              | 99.0                                                          | 99.0                                              | 10.0                                               | 99.0 | 99.0 |
|                                                                                                                               | ATRAZINE       | 4    | L    | 64.0 | oz/a  | EPOST | B                                                            | 309                                               | 0.0                                              | 99.0                                                          | 99.0                                              | 5.0                                                | 99.0 | 85.0 |
|                                                                                                                               |                |      |      |      |       |       |                                                              | 401                                               | 0.0                                              | 99.0                                                          | 99.0                                              | 0.0                                                | 99.0 | 99.0 |
|                                                                                                                               | Mean =         |      |      |      |       |       |                                                              |                                                   | 2.5                                              | 99.0                                                          | 99.0                                              | 5.0                                                | 98.0 | 93.3 |

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| Weed Code<br>Crop Code<br>Part Rated<br>Rating Data Type<br>Rating Unit<br>Rating Date<br>PRM Data Type<br># Subsamples, Dec. |               |      |      |      |       | LAMAM<br>-----<br>CONTROL<br>PERCENT<br>Apr-18-16 | ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>Apr-27-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | LAMAM<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | RAPRA<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------|------|------|-------|---------------------------------------------------|------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Trt                                                                                                                           | Treatment     | Form | Form | Rate | Grow  | Appl                                              |                                                      |                                                   |                                                    |                                                   |                                                   |
| No.                                                                                                                           | Name          | Conc | Type | Rate | Unit  | Stg                                               | Code                                                 | Plot                                              |                                                    |                                                   |                                                   |
|                                                                                                                               |               |      |      |      |       |                                                   |                                                      |                                                   |                                                    |                                                   |                                                   |
| 1                                                                                                                             | NTC           |      |      |      |       |                                                   |                                                      |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               |               |      |      |      |       |                                                   | 101                                                  |                                                   | 0.0                                                |                                                   | 0.0                                               |
|                                                                                                                               |               |      |      |      |       |                                                   | 202                                                  |                                                   | 0.0                                                |                                                   | 0.0                                               |
|                                                                                                                               |               |      |      |      |       |                                                   | 307                                                  |                                                   | 0.0                                                |                                                   | 0.0                                               |
|                                                                                                                               |               |      |      |      |       |                                                   | 412                                                  |                                                   | 0.0                                                |                                                   | 0.0                                               |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 0.0                                                |                                                   | 0.0                                               |
| 2                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE                                               | A                                                    | 102                                               | 99.0                                               | 0.0                                               | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE                                               | A                                                    | 213                                               | 99.0                                               | 25.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST                                             | C                                                    | 304                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST                                             | C                                                    | 406                                               | 99.0                                               | 25.0                                              | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 99.0                                               | 15.0                                              | 99.0                                              |
| 3                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE                                               | A                                                    | 103                                               | 95.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST                                             | B                                                    | 208                                               | 99.0                                               | 20.0                                              | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | EPOST                                             | B                                                    | 310                                               | 99.0                                               | 15.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST                                             | B                                                    | 403                                               | 99.0                                               | 25.0                                              | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST                                             | B                                                    |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 98.0                                               | 17.5                                              | 99.0                                              |
| 4                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE                                               | A                                                    | 104                                               | 99.0                                               | 0.0                                               | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE                                               | A                                                    | 207                                               | 99.0                                               | 20.0                                              | 99.0                                              |
|                                                                                                                               | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST                                             | B                                                    | 311                                               | 99.0                                               | 25.0                                              | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 16.0 | oz/a  | EPOST                                             | B                                                    | 405                                               | 99.0                                               | 25.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST                                             | B                                                    |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST                                             | B                                                    |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 99.0                                               | 17.5                                              | 99.0                                              |
| 5                                                                                                                             | ANTHEM MAX    | 4.3  | SC   | 4.0  | oz/a  | PRE                                               | A                                                    | 105                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE                                               | A                                                    | 201                                               | 99.0                                               | 15.0                                              | 99.0                                              |
|                                                                                                                               | BALANCE FLEXX | 2    | SC   | 2.0  | oz/a  | PRE                                               | A                                                    | 306                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST                                             | B                                                    | 407                                               | 99.0                                               | 15.0                                              | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST                                             | B                                                    |                                                   |                                                    |                                                   |                                                   |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 99.0                                               | 12.5                                              | 99.0                                              |
| 6                                                                                                                             | ACURON        | 3.44 | SC   | 80.0 | oz/a  | PRE                                               | A                                                    | 106                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST                                             | C                                                    | 212                                               | 99.0                                               | 25.0                                              | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST                                             | C                                                    | 303                                               | 99.0                                               | 0.0                                               | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | 404                                                  |                                                   | 99.0                                               | 20.0                                              | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 99.0                                               | 13.8                                              | 99.0                                              |
| 7                                                                                                                             | CORVUS        | 2.63 | SC   | 5.6  | oz/a  | PRE                                               | A                                                    | 107                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | PRE                                               | A                                                    | 211                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | LPOST                                             | C                                                    | 312                                               | 99.0                                               | 10.0                                              | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | LPOST                                             | C                                                    | 409                                               | 99.0                                               | 15.0                                              | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 99.0                                               | 11.3                                              | 99.0                                              |
| 8                                                                                                                             | HALEX GT      | 4.84 | EC   | 58.0 | oz/a  | EPOST                                             | B                                                    | 108                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               | NIS           |      |      | 0.25 | % v/v | EPOST                                             | B                                                    | 209                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST                                             | B                                                    | 313                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | 411                                                  |                                                   | 0.0                                                | 10.0                                              | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 0.0                                                | 2.5                                               | 99.0                                              |
| 9                                                                                                                             | SOLSTICE      | 4    | SC   | 3.15 | oz/a  | EPOST                                             | B                                                    | 109                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               | ATRAZINE      | 4    | L    | 32.0 | oz/a  | EPOST                                             | B                                                    | 204                                               | 0.0                                                | 10.0                                              | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST                                             | B                                                    | 308                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST                                             | B                                                    | 402                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 0.0                                                | 2.5                                               | 99.0                                              |
| 10                                                                                                                            | SOLSTICE      | 4    | SC   | 2.5  | oz/a  | EPOST                                             | B                                                    | 110                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               | ANTHEM MAXX   | 4.3  | SC   | 2.0  | oz/a  | EPOST                                             | B                                                    | 203                                               | 0.0                                                | 0.0                                               | 99.0                                              |
|                                                                                                                               | ROUNDUP PMAX  | 5.5  | SL   | 32.0 | oz/a  | EPOST                                             | B                                                    | 301                                               | 0.0                                                | 10.0                                              | 99.0                                              |
|                                                                                                                               | AMS XTRA      | 3.4  | SL   | 2.5  | % v/v | EPOST                                             | B                                                    | 408                                               | 0.0                                                | 15.0                                              | 99.0                                              |
|                                                                                                                               |               |      |      |      |       |                                                   | Mean =                                               |                                                   | 0.0                                                | 6.3                                               | 99.0                                              |

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|                                                                                                                               |           |           |         |           |  |      |                                                   |                                                               |                                                   |                                                    |                                                   |                                                   |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------|-----------|--|------|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Weed Code<br>Crop Code<br>Part Rated<br>Rating Data Type<br>Rating Unit<br>Rating Date<br>PRM Data Type<br># Subsamples, Dec. |           |           |         |           |  |      | LAMAM<br>-----<br>CONTROL<br>PERCENT<br>Apr-18-16 | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>Apr-27-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | LAMAM<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 | RAPRA<br>-----<br>CONTROL<br>PERCENT<br>Apr-27-16 |
| Trt Treatment                                                                                                                 | Form Form | Rate      | Grow    | Appl      |  |      |                                                   |                                                               |                                                   |                                                    |                                                   |                                                   |
| No. Name                                                                                                                      | Conc Type | Rate Unit | Stg     | Code Plot |  | 7    | 8                                                 | 9                                                             | 10                                                | 11                                                 | 12                                                |                                                   |
| 11 SOLSTICE                                                                                                                   | 4 SC      | 2.5 oz/a  | EPOST B | 111       |  | 0.0  | 0.0                                               | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| ANTHEM MAXX                                                                                                                   | 4.3 SC    | 2.0 oz/a  | EPOST B | 205       |  | 0.0  | 10.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| ATRAZINE                                                                                                                      | 4 L       | 16.0 oz/a | EPOST B | 302       |  | 0.0  | 0.0                                               | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a | EPOST B | 410       |  | 0.0  | 10.0                                              | 99.0                                                          | 90.0                                              | 99.0                                               | 99.0                                              |                                                   |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v | EPOST B |           |  |      |                                                   |                                                               |                                                   |                                                    |                                                   |                                                   |
| Mean =                                                                                                                        |           |           |         |           |  | 0.0  | 5.0                                               | 99.0                                                          | 96.8                                              | 99.0                                               | 99.0                                              |                                                   |
| 12 ANTHEM MAXX                                                                                                                | 4.3 SC    | 4.0 oz/a  | PRE A   | 112       |  | 99.0 | 10.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| SHARPEN                                                                                                                       | 2.85 SC   | 3.9 oz/a  | PRE A   | 206       |  | 99.0 | 20.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a | LPOST C | 305       |  | 99.0 | 20.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v | LPOST C | 413       |  | 99.0 | 15.0                                              | 99.0                                                          | 95.0                                              | 50.0                                               | 85.0                                              |                                                   |
| Mean =                                                                                                                        |           |           |         |           |  | 99.0 | 16.3                                              | 99.0                                                          | 98.0                                              | 86.8                                               | 95.5                                              |                                                   |
| 13 DUAL II MAGNUM                                                                                                             | 7.64 EC   | 16.0 oz/a | PRE A   | 113       |  | 99.0 | 15.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a | EPOST B | 210       |  | 99.0 | 10.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| ATRAZINE                                                                                                                      | 4 L       | 64.0 oz/a | EPOST B | 309       |  | 99.0 | 10.0                                              | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
|                                                                                                                               |           |           |         | 401       |  | 99.0 | 0.0                                               | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |
| Mean =                                                                                                                        |           |           |         |           |  | 99.0 | 8.8                                               | 99.0                                                          | 99.0                                              | 99.0                                               | 99.0                                              |                                                   |

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| Weed Code<br>Crop Code<br>Part Rated<br>Rating Data Type<br>Rating Unit<br>Rating Date<br>PRM Data Type<br># Subsamples, Dec. |           |            |       |           |        | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>May-5-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>May-5-16 | AGRASS<br>-----<br>CONTROL<br>PERCENT<br>May-5-16 | RAPRA<br>-----<br>CONTROL<br>PERCENT<br>May-5-16 | -----<br>ZEAMA<br>PLANT -<br>STUNTING<br>PERCENT<br>May-18-16 | AMAPA<br>-----<br>CONTROL<br>PERCENT<br>May-18-16 |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|------------|-------|-----------|--------|--------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------|
| Trt Treatment                                                                                                                 | Form Form | Rate       | Grow  | Appl      |        |                                                              |                                                  |                                                   |                                                  |                                                               |                                                   |
| No. Name                                                                                                                      | Conc Type | Rate Unit  | Stg   | Code Plot |        | 13                                                           | 14                                               | 15                                                | 16                                               | 17                                                            | 18                                                |
| 1 NTC                                                                                                                         |           |            |       |           | 101    | 0.0                                                          | 0.0                                              | 0.0                                               | 0.0                                              | 0.0                                                           | 0.0                                               |
|                                                                                                                               |           |            |       |           | 202    | 0.0                                                          | 0.0                                              | 0.0                                               | 0.0                                              | 0.0                                                           | 0.0                                               |
|                                                                                                                               |           |            |       |           | 307    | 0.0                                                          | 0.0                                              | 0.0                                               | 0.0                                              | 0.0                                                           | 0.0                                               |
|                                                                                                                               |           |            |       |           | 412    | 0.0                                                          | 0.0                                              | 0.0                                               | 0.0                                              | 0.0                                                           | 0.0                                               |
|                                                                                                                               |           |            |       |           | Mean = | 0.0                                                          | 0.0                                              | 0.0                                               | 0.0                                              | 0.0                                                           | 0.0                                               |
| 2 ANTHEM MAX                                                                                                                  | 4.3 SC    | 4.0 oz/a   | PRE   | A         | 102    | 10.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 32.0 oz/a  | PRE   | A         | 213    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | LPOST | C         | 304    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | LPOST | C         | 406    | 25.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | Mean = | 16.3                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| 3 ANTHEM MAX                                                                                                                  | 4.3 SC    | 4.0 oz/a   | PRE   | A         | 103    | 10.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| SOLSTICE                                                                                                                      | 4 SC      | 2.5 oz/a   | EPOST | B         | 208    | 20.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 10.0                                                          | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 32.0 oz/a  | EPOST | B         | 310    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 10.0                                                          | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | EPOST | B         | 403    | 25.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | EPOST | B         |        |                                                              |                                                  |                                                   |                                                  |                                                               |                                                   |
|                                                                                                                               |           |            |       |           | Mean = | 17.5                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 5.0                                                           | 99.0                                              |
| 4 ANTHEM MAX                                                                                                                  | 4.3 SC    | 4.0 oz/a   | PRE   | A         | 104    | 10.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 32.0 oz/a  | PRE   | A         | 207    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 10.0                                                          | 99.0                                              |
| SOLSTICE                                                                                                                      | 4 SC      | 2.5 oz/a   | EPOST | B         | 311    | 25.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 16.0 oz/a  | EPOST | B         | 405    | 20.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | EPOST | B         |        |                                                              |                                                  |                                                   |                                                  |                                                               |                                                   |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | EPOST | B         |        |                                                              |                                                  |                                                   |                                                  |                                                               |                                                   |
|                                                                                                                               |           |            |       |           | Mean = | 17.5                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 2.5                                                           | 99.0                                              |
| 5 ANTHEM MAX                                                                                                                  | 4.3 SC    | 4.0 oz/a   | PRE   | A         | 105    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 32.0 oz/a  | PRE   | A         | 201    | 0.0                                                          | 99.0                                             | 95.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| BALANCE FLEXX                                                                                                                 | 2 SC      | 2.0 oz/a   | PRE   | A         | 306    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | EPOST | B         | 407    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | EPOST | B         |        |                                                              |                                                  |                                                   |                                                  |                                                               |                                                   |
|                                                                                                                               |           |            |       |           | Mean = | 3.8                                                          | 99.0                                             | 98.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| 6 ACURON                                                                                                                      | 3.44 SC   | 80.0 oz/a  | PRE   | A         | 106    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | LPOST | C         | 212    | 15.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | LPOST | C         | 303    | 5.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | 404    | 20.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | Mean = | 13.8                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 96.8                                              |
| 7 CORVUS                                                                                                                      | 2.63 SC   | 5.6 oz/a   | PRE   | A         | 107    | 10.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 32.0 oz/a  | PRE   | A         | 211    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 15.0                                                          | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | LPOST | C         | 312    | 10.0                                                         | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | LPOST | C         | 409    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | Mean = | 5.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 3.8                                                           | 99.0                                              |
| 8 HALEX GT                                                                                                                    | 4.84 EC   | 58.0 oz/a  | EPOST | B         | 108    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| NIS                                                                                                                           |           | 0.25 % v/v | EPOST | B         | 209    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | EPOST | B         | 313    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | 411    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | Mean = | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| 9 SOLSTICE                                                                                                                    | 4 SC      | 3.15 oz/a  | EPOST | B         | 109    | 5.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ATRAZINE                                                                                                                      | 4 L       | 32.0 oz/a  | EPOST | B         | 204    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | EPOST | B         | 308    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | EPOST | B         | 402    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | Mean = | 1.3                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| 10 SOLSTICE                                                                                                                   | 4 SC      | 2.5 oz/a   | EPOST | B         | 110    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ANTHEM MAXX                                                                                                                   | 4.3 SC    | 2.0 oz/a   | EPOST | B         | 203    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
| ROUNDUP PMAX                                                                                                                  | 5.5 SL    | 32.0 oz/a  | EPOST | B         | 301    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 95.0                                              |
| AMS XTRA                                                                                                                      | 3.4 SL    | 2.5 % v/v  | EPOST | B         | 408    | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 99.0                                              |
|                                                                                                                               |           |            |       |           | Mean = | 0.0                                                          | 99.0                                             | 99.0                                              | 99.0                                             | 0.0                                                           | 98.0                                              |

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|                    |           |           |         |           |  |  |          |          |          |          |           |           |
|--------------------|-----------|-----------|---------|-----------|--|--|----------|----------|----------|----------|-----------|-----------|
| Weed Code          |           |           |         |           |  |  | -----    | AMAPA    | AGRASS   | RAPRA    | -----     | AMAPA     |
| Crop Code          |           |           |         |           |  |  | ZEAMA    | -----    |          |          | ZEAMA     | -----     |
| Part Rated         |           |           |         |           |  |  | PLANT -  | CONTROL  | CONTROL  | CONTROL  | STUNTING  | CONTROL   |
| Rating Data Type   |           |           |         |           |  |  | PERCENT  | PERCENT  | PERCENT  | PERCENT  | PERCENT   | PERCENT   |
| Rating Unit        |           |           |         |           |  |  | May-5-16 | May-5-16 | May-5-16 | May-5-16 | May-18-16 | May-18-16 |
| Rating Date        |           |           |         |           |  |  |          |          |          |          |           |           |
| PRM Data Type      |           |           |         |           |  |  |          |          |          |          |           |           |
| # Subsamples, Dec. |           |           |         |           |  |  |          |          |          |          |           |           |
| Trt Treatment      | Form Form | Rate      | Grow    | Appl      |  |  |          |          |          |          |           |           |
| No. Name           | Conc Type | Rate Unit | Stg     | Code Plot |  |  | 13       | 14       | 15       | 16       | 17        | 18        |
| 11 SOLSTICE        | 4 SC      | 2.5 oz/a  | EPOST B | 111       |  |  | 10.0     | 99.0     | 99.0     | 99.0     | 5.0       | 99.0      |
| ANTHEM MAXX        | 4.3 SC    | 2.0 oz/a  | EPOST B | 205       |  |  | 5.0      | 99.0     | 99.0     | 99.0     | 0.0       | 99.0      |
| ATRAZINE           | 4 L       | 16.0 oz/a | EPOST B | 302       |  |  | 0.0      | 99.0     | 99.0     | 99.0     | 0.0       | 99.0      |
| ROUNDUP PMAX       | 5.5 SL    | 32.0 oz/a | EPOST B | 410       |  |  | 0.0      | 99.0     | 99.0     | 99.0     | 0.0       | 99.0      |
| AMS XTRA           | 3.4 SL    | 2.5 % v/v | EPOST B |           |  |  |          |          |          |          |           |           |
|                    |           |           |         | Mean =    |  |  | 3.8      | 99.0     | 99.0     | 99.0     | 1.3       | 99.0      |
| 12 ANTHEM MAXX     | 4.3 SC    | 4.0 oz/a  | PRE A   | 112       |  |  | 25.0     | 99.0     | 99.0     | 99.0     | 30.0      | 99.0      |
| SHARPEN            | 2.85 SC   | 3.9 oz/a  | PRE A   | 206       |  |  | 20.0     | 99.0     | 99.0     | 99.0     | 15.0      | 99.0      |
| ROUNDUP PMAX       | 5.5 SL    | 32.0 oz/a | LPOST C | 305       |  |  | 20.0     | 99.0     | 99.0     | 99.0     | 0.0       | 95.0      |
| AMS XTRA           | 3.4 SL    | 2.5 % v/v | LPOST C | 413       |  |  | 0.0      | 99.0     | 99.0     | 99.0     | 0.0       | 90.0      |
|                    |           |           |         | Mean =    |  |  | 16.3     | 99.0     | 99.0     | 99.0     | 11.3      | 95.8      |
| 13 DUAL II MAGNUM  | 7.64 EC   | 16.0 oz/a | PRE A   | 113       |  |  | 0.0      | 99.0     | 99.0     | 99.0     | 0.0       | 99.0      |
| ROUNDUP PMAX       | 5.5 SL    | 32.0 oz/a | EPOST B | 210       |  |  | 0.0      | 99.0     | 99.0     | 99.0     | 10.0      | 99.0      |
| ATRAZINE           | 4 L       | 64.0 oz/a | EPOST B | 309       |  |  | 5.0      | 99.0     | 99.0     | 99.0     | 0.0       | 99.0      |
|                    |           |           |         | 401       |  |  | 0.0      | 99.0     | 99.0     | 99.0     | 0.0       | 99.0      |
|                    |           |           |         | Mean =    |  |  | 1.3      | 99.0     | 99.0     | 99.0     | 2.5       | 99.0      |

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|                    |               |      |      |            |       |           |           |           |           |
|--------------------|---------------|------|------|------------|-------|-----------|-----------|-----------|-----------|
| Weed Code          |               |      |      |            |       | AGRASS    | RAPRA     | -----     | -----     |
| Crop Code          |               |      |      |            |       | -----     | -----     | ZEAMA     | ZEAMA     |
| Part Rated         |               |      |      |            |       |           |           | PLOT -    | PLOT -    |
| Rating Data Type   |               |      |      |            |       | CONTROL   | CONTROL   | YIELD     | YIELD     |
| Rating Unit        |               |      |      |            |       | PERCENT   | PERCENT   | LBS/PLOT  | BU/A      |
| Rating Date        |               |      |      |            |       | May-18-16 | May-18-16 | Aug-16-16 | Aug-16-16 |
| PRM Data Type      |               |      |      |            |       |           |           |           | TY1       |
| # Subsamples, Dec. |               |      |      |            |       |           |           | - 1       | - 0       |
| Trt                | Treatment     | Form | Form | Rate       | Grow  | Appl      |           |           |           |
| No.                | Name          | Conc | Type | Rate Unit  | Stg   | Code Plot | 19        | 20        | 21        |
| 1                  | NTC           |      |      |            |       | 101       | 0.0       | 0.0       | 38.0      |
|                    |               |      |      |            |       | 202       | 0.0       | 0.0       | 30.0      |
|                    |               |      |      |            |       | 307       | 0.0       | 0.0       | 43.0      |
|                    |               |      |      |            |       | 412       | 0.0       | 0.0       | 42.0      |
|                    |               |      |      |            |       | Mean =    | 0.0       | 0.0       | 38.3      |
| 2                  | ANTHEM MAX    | 4.3  | SC   | 4.0 oz/a   | PRE   | A 102     | 99.0      | 99.0      | 43.0      |
|                    | ATRAZINE      | 4    | L    | 32.0 oz/a  | PRE   | A 213     | 99.0      | 99.0      | 49.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | LPOST | C 304     | 99.0      | 99.0      | 48.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | LPOST | C 406     | 99.0      | 99.0      | 46.0      |
|                    |               |      |      |            |       | Mean =    | 99.0      | 99.0      | 46.5      |
| 3                  | ANTHEM MAX    | 4.3  | SC   | 4.0 oz/a   | PRE   | A 103     | 99.0      | 99.0      | 44.0      |
|                    | SOLSTICE      | 4    | SC   | 2.5 oz/a   | EPOST | B 208     | 99.0      | 99.0      | 47.0      |
|                    | ATRAZINE      | 4    | L    | 32.0 oz/a  | EPOST | B 310     | 85.0      | 99.0      | 30.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | EPOST | B 403     | 99.0      | 99.0      | 44.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | EPOST | B         |           |           |           |
|                    |               |      |      |            |       | Mean =    | 95.5      | 99.0      | 41.3      |
| 4                  | ANTHEM MAX    | 4.3  | SC   | 4.0 oz/a   | PRE   | A 104     | 99.0      | 99.0      | 45.0      |
|                    | ATRAZINE      | 4    | L    | 32.0 oz/a  | PRE   | A 207     | 99.0      | 99.0      | 46.0      |
|                    | SOLSTICE      | 4    | SC   | 2.5 oz/a   | EPOST | B 311     | 85.0      | 99.0      | 49.0      |
|                    | ATRAZINE      | 4    | L    | 16.0 oz/a  | EPOST | B 405     | 99.0      | 99.0      | 46.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | EPOST | B         |           |           |           |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | EPOST | B         |           |           |           |
|                    |               |      |      |            |       | Mean =    | 95.5      | 99.0      | 46.5      |
| 5                  | ANTHEM MAX    | 4.3  | SC   | 4.0 oz/a   | PRE   | A 105     | 99.0      | 99.0      | 44.0      |
|                    | ATRAZINE      | 4    | L    | 32.0 oz/a  | PRE   | A 201     | 99.0      | 99.0      | 46.0      |
|                    | BALANCE FLEXX | 2    | SC   | 2.0 oz/a   | PRE   | A 306     | 99.0      | 99.0      | 48.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | EPOST | B 407     | 99.0      | 99.0      | 48.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | EPOST | B         |           |           |           |
|                    |               |      |      |            |       | Mean =    | 99.0      | 99.0      | 46.5      |
| 6                  | ACURON        | 3.44 | SC   | 80.0 oz/a  | PRE   | A 106     | 99.0      | 99.0      | 43.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | LPOST | C 212     | 99.0      | 99.0      | 44.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | LPOST | C 303     | 99.0      | 99.0      | 47.0      |
|                    |               |      |      |            |       | 404       | 99.0      | 99.0      | 43.0      |
|                    |               |      |      |            |       | Mean =    | 99.0      | 99.0      | 44.3      |
| 7                  | CORVUS        | 2.63 | SC   | 5.6 oz/a   | PRE   | A 107     | 99.0      | 99.0      | 45.0      |
|                    | ATRAZINE      | 4    | L    | 32.0 oz/a  | PRE   | A 211     | 99.0      | 99.0      | 33.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | LPOST | C 312     | 99.0      | 99.0      | 48.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | LPOST | C 409     | 99.0      | 99.0      | 34.0      |
|                    |               |      |      |            |       | Mean =    | 99.0      | 99.0      | 40.0      |
| 8                  | HALEX GT      | 4.84 | EC   | 58.0 oz/a  | EPOST | B 108     | 99.0      | 99.0      | 47.0      |
|                    | NIS           |      |      | 0.25 % v/v | EPOST | B 209     | 99.0      | 99.0      | 48.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | EPOST | B 313     | 99.0      | 99.0      | 46.0      |
|                    |               |      |      |            |       | 411       | 99.0      | 99.0      | 53.0      |
|                    |               |      |      |            |       | Mean =    | 99.0      | 99.0      | 48.5      |
| 9                  | SOLSTICE      | 4    | SC   | 3.15 oz/a  | EPOST | B 109     | 99.0      | 99.0      | 46.0      |
|                    | ATRAZINE      | 4    | L    | 32.0 oz/a  | EPOST | B 204     | 9.0       | 99.0      | 48.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | EPOST | B 308     | 99.0      | 99.0      | 45.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | EPOST | B 402     | 99.0      | 99.0      | 47.0      |
|                    |               |      |      |            |       | Mean =    | 76.5      | 99.0      | 46.5      |
| 10                 | SOLSTICE      | 4    | SC   | 2.5 oz/a   | EPOST | B 110     | 99.0      | 99.0      | 47.0      |
|                    | ANTHEM MAXX   | 4.3  | SC   | 2.0 oz/a   | EPOST | B 203     | 99.0      | 99.0      | 50.0      |
|                    | ROUNDUP PMAX  | 5.5  | SL   | 32.0 oz/a  | EPOST | B 301     | 99.0      | 99.0      | 49.0      |
|                    | AMS XTRA      | 3.4  | SL   | 2.5 % v/v  | EPOST | B 408     | 99.0      | 99.0      | 47.0      |
|                    |               |      |      |            |       | Mean =    | 99.0      | 99.0      | 48.3      |

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|                    |                |      |      |      |       |       |           |           |           |           |      |     |
|--------------------|----------------|------|------|------|-------|-------|-----------|-----------|-----------|-----------|------|-----|
| Weed Code          |                |      |      |      |       |       | AGRASS    | RAPRA     | -----     | -----     |      |     |
| Crop Code          |                |      |      |      |       |       | -----     | -----     | ZEAMA     | ZEAMA     |      |     |
| Part Rated         |                |      |      |      |       |       |           |           | PLOT -    | PLOT -    |      |     |
| Rating Data Type   |                |      |      |      |       |       | CONTROL   | CONTROL   | YIELD     | YIELD     |      |     |
| Rating Unit        |                |      |      |      |       |       | PERCENT   | PERCENT   | LBS/PLOT  | BU/A      |      |     |
| Rating Date        |                |      |      |      |       |       | May-18-16 | May-18-16 | Aug-16-16 | Aug-16-16 |      |     |
| PRM Data Type      |                |      |      |      |       |       |           |           |           | TY1       |      |     |
| # Subsamples, Dec. |                |      |      |      |       |       |           |           | - 1       | - 0       |      |     |
| Trt                | Treatment      | Form | Form | Rate | Grow  | Appl  |           |           |           |           |      |     |
| No.                | Name           | Conc | Type | Rate | Unit  | Stg   | Code      | Plot      | 19        | 20        | 21   | 22  |
| 11                 | SOLSTICE       | 4    | SC   | 2.5  | oz/a  | EPOST | B         | 111       | 99.0      | 99.0      | 41.5 | 247 |
|                    | ANTHEM MAXX    | 4.3  | SC   | 2.0  | oz/a  | EPOST | B         | 205       | 99.0      | 99.0      | 46.0 | 274 |
|                    | ATRAZINE       | 4    | L    | 16.0 | oz/a  | EPOST | B         | 302       | 99.0      | 99.0      | 53.5 | 319 |
|                    | ROUNDUP PMAX   | 5.5  | SL   | 32.0 | oz/a  | EPOST | B         | 410       | 90.0      | 99.0      | 46.0 | 274 |
|                    | AMS XTRA       | 3.4  | SL   | 2.5  | % v/v | EPOST | B         |           |           |           |      |     |
|                    |                |      |      |      |       |       |           | Mean =    | 96.8      | 99.0      | 46.8 | 279 |
| 12                 | ANTHEM MAXX    | 4.3  | SC   | 4.0  | oz/a  | PRE   | A         | 112       | 99.0      | 99.0      | 23.0 | 137 |
|                    | SHARPEN        | 2.85 | SC   | 3.9  | oz/a  | PRE   | A         | 206       | 99.0      | 99.0      | 44.0 | 262 |
|                    | ROUNDUP PMAX   | 5.5  | SL   | 32.0 | oz/a  | LPOST | C         | 305       | 99.0      | 99.0      | 45.0 | 268 |
|                    | AMS XTRA       | 3.4  | SL   | 2.5  | % v/v | LPOST | C         | 413       | 99.0      | 99.0      | 49.5 | 295 |
|                    |                |      |      |      |       |       |           | Mean =    | 99.0      | 99.0      | 40.4 | 241 |
| 13                 | DUAL II MAGNUM | 7.64 | EC   | 16.0 | oz/a  | PRE   | A         | 113       | 99.0      | 99.0      | 41.0 | 244 |
|                    | ROUNDUP PMAX   | 5.5  | SL   | 32.0 | oz/a  | EPOST | B         | 210       | 99.0      | 99.0      | 38.5 | 229 |
|                    | ATRAZINE       | 4    | L    | 64.0 | oz/a  | EPOST | B         | 309       | 99.0      | 99.0      | 38.0 | 226 |
|                    |                |      |      |      |       |       |           | 401       | 99.0      | 99.0      | 51.0 | 304 |
|                    |                |      |      |      |       |       |           | Mean =    | 99.0      | 99.0      | 42.1 | 251 |

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ANTHEM MAX AND ANTHEM ATZ FOR WEED CONTROL  
IN FIELD CORN

Trial ID: CN-02-16 Study Dir.: CRAIG HEIM  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

LAMAM = HENBIT / LAMIUM AMPLEXICAULE L.

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

PRM Data Type

TY1 = 5.957741\*[21]