

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16 Study Dir.: Sprague, Powell, Stiles
 Conducted: Campus T-17 Investigator: Christy Sprague

Planting Date: May-18-2016 **Row Spacing:** 30 IN
Variety: P9807 **No. of Reps:** 4
Population: 32000 seeds/A **% OM:** 3.6
Soil Type: L loam **pH:** 6.0
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plowed; spring soil finished twice
Fertilizer: 300 lb urea incorporated 200 lb 19-19-19 starter

Crop and Weed Description

| Weed | Code | Common Name | Scientific Name |
|------|-------|------------------------|-------------------------|
| 1 | ANGR | mainly foxtail species | Annual grass |
| 2 | CHEAL | lambsquarters, common | Chenopodium album |
| 3 | AMAPO | amaranth, Powell | Amaranthus powellii |
| 4 | AMBEL | ragweed, common | Ambrosia artemisiifolia |
| 5 | ABUTH | velvetleaf | Abutilon theophrasti |
| Crop | Code | Common Name | |
| 1 | ZEAMX | Corn | |

Application Description

| | A | B | C |
|---------------------------------------|-------------|------------|-------------|
| Application Timing: | PRE | EPOS | POST |
| Date Treated: | May-18-2016 | Jun-8-2016 | Jun-21-2016 |
| Time Treated: | 6:30 PM | 8:10 AM | 7:45 AM |
| % Cloud Cover: | 40 | 10 | 0 |
| Air Temp., Unit: | 62 F | 62 F | 67 F |
| % Relative Humidity: | 38 | 68 | 62 |
| Wind Speed/Unit/Dir: | 4 mph E | 4.5 mph W | 0 mph W |
| Soil Temp, Unit: | 52 F | 52 F | 71 F |
| Leaf Moist/Dew Presence (Y/N): | 5 | 5 | 5 |
| Soil Moist: | 4 | 4 | 4 |

Crop Stage at Each Application

| | A | B | C |
|---------------------|-------|-------|-------|
| Crop 1 Name: | ZEAMX | ZEAMX | ZEAMX |
| Height: | | 8 " | 24 " |
| Stage: | | V4 | V6 |

Weed Stage at Each Application

| | A | B | C |
|---------------------|-------|-----------|-----------|
| Weed 1 Name: | ANGR | ANGR | ANGR |
| Height: | | 3-4 " (4) | 4-5 " (4) |
| Stage: | | 3L | 4L |
| Weed 2 Name: | CHEAL | CHEAL | CHEAL |
| Height: | | 2-4 " (3) | 2-3 " (3) |
| Stage: | | 4L | 9L |
| Weed 3 Name: | AMAPO | AMAPO | AMAPO |
| Height: | | | 3-4 " (3) |
| Stage: | | | 6L |
| Weed 4 Name: | AMBEL | AMBEL | AMBEL |
| Height: | | 2-4 " (4) | 4 " |
| Stage: | | 4L | 8-12L |
| Weed 5 Name: | ABUTH | ABUTH | ABUTH |
| Height: | | | 3-4 " (4) |
| Stage: | | | 3L |

Application Equipment

| Appl | Sprayer Type | Ground Speed | Nozzle Type | Nozzle Size | Nozzle Height | Nozzle Spacing | Boom Width | Spray Volume | Carrier | Operation Pressure |
|------|--------------|--------------|-------------|-------------|---------------|----------------|------------|--------------|---------|--------------------|
| A | CUB | 3.8 mph | AIXR | 11003 | 22 " | 20 " | 100 " | 19 GAL/AC | WATER | 30 PSI |
| B | CUB | 3.8 mph | AIXR | 11003 | 22 " | 20 " | 100 " | 19 GAL/AC | WATER | 30 PSI |
| C | CUB | 3.8 mph | AIXR | 11003 | 29 " | 20 " | 100 " | 19 GAL/AC | WATER | 30 PSI |

Comments:

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pest Code | | CHEAL | AMAPO | AMBEL | ABUTH | |
| Crop Code | ZEAMX | | | | | ZEAMX |
| Rating Date | Jun-15-2016 | Jun-15-2016 | Jun-15-2016 | Jun-15-2016 | Jun-15-2016 | Jun-28-2016 |
| Rating Type | injury | control | control | control | control | injury |
| Rating Unit | percent | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-C |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Rate Unit | Appl Code | | | | | | |
|---------|----------------------|----------------|-----------|---|-----|-----|-----|-----|---|
| 1 | Anthem Maxx | 4 fl oz/a | A | 7 | 100 | 100 | 100 | 100 | 0 |
| 1 | Solstice | 2.5 fl oz/a | B | | | | | | |
| 1 | Atrazine | 1.1 lb/a | B | | | | | | |
| 1 | Roundup PowerMax | 32 fl oz/a | B | | | | | | |
| 1 | Crop oil concentrate | 0.5 % v/v | B | | | | | | |
| 1 | AMS | 8.5 lb/100 gal | B | | | | | | |
| 2 | Anthem Maxx | 4 fl oz/a | A | 7 | 100 | 100 | 100 | 100 | 0 |
| 2 | Atrazine | 1.1 lb/a | A | | | | | | |
| 2 | Solstice | 2.5 fl oz/a | B | | | | | | |
| 2 | Atrazine | 0.56 lb/a | B | | | | | | |
| 2 | Roundup PowerMax | 32 fl oz/a | B | | | | | | |
| 2 | Crop oil concentrate | 0.5 % v/v | B | | | | | | |
| 2 | AMS | 8.5 lb/100 gal | B | | | | | | |
| 3 | Untreated | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Solstice | 3.15 fl oz/a | B | 9 | 100 | 100 | 98 | 100 | 0 |
| 4 | Atrazine | 1.1 lb/a | B | | | | | | |
| 4 | Roundup PowerMax | 32 fl oz/a | B | | | | | | |
| 4 | Crop oil concentrate | 0.5 % v/v | B | | | | | | |
| 4 | AMS | 8.5 lb/100 gal | B | | | | | | |
| 5 | Solstice | 2.5 fl oz/a | B | 8 | 100 | 100 | 99 | 100 | 0 |
| 5 | Anthem Maxx | 2 fl oz/a | B | | | | | | |
| 5 | Roundup PowerMax | 32 fl oz/a | B | | | | | | |
| 5 | Crop oil concentrate | 0.5 % v/v | B | | | | | | |
| 5 | AMS | 8.5 lb/100 gal | B | | | | | | |
| 6 | Solstice | 2.5 fl oz/a | B | 9 | 100 | 100 | 99 | 100 | 0 |
| 6 | Anthem Maxx | 2 fl oz/a | B | | | | | | |
| 6 | Atrazine | 0.56 lb/a | B | | | | | | |
| 6 | Roundup PowerMax | 32 fl oz/a | B | | | | | | |
| 6 | Crop oil concentrate | 0.5 % v/v | B | | | | | | |
| 6 | AMS | 8.5 lb/100 gal | B | | | | | | |
| 7 | Hornet | 3 oz/a | B | 9 | 100 | 100 | 95 | 100 | 0 |
| 7 | Anthem Maxx | 2 fl oz/a | B | | | | | | |
| 7 | Atrazine | 0.56 lb/a | B | | | | | | |
| 7 | Roundup PowerMax | 32 fl oz/a | B | | | | | | |
| 7 | Crop oil concentrate | 0.5 % v/v | B | | | | | | |
| 7 | AMS | 8.5 lb/100 gal | B | | | | | | |
| 8 | Halex GT | 3.6 pt/a | B | 0 | 99 | 100 | 91 | 98 | 0 |
| 8 | Surfactant | 0.25 % v/v | B | | | | | | |
| 8 | AMS | 8.5 lb/100 gal | B | | | | | | |

Could not calculate LSD (% mean diff) for columns 6,11,17,18 because error mean square = 0.

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pest Code | | CHEAL | AMAPO | AMBEL | ABUTH | |
| Crop Code | ZEAMX | | | | | ZEAMX |
| Rating Date | Jun-15-2016 | Jun-15-2016 | Jun-15-2016 | Jun-15-2016 | Jun-15-2016 | Jun-28-2016 |
| Rating Type | injury | control | control | control | control | injury |
| Rating Unit | percent | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-C |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Rate | Rate Unit | Appl Code | | | | | | |
|---------|----------------------|----------------|-----------|-----------|-------|------|------|------|------|-----|
| 9 | Anthem Maxx | 4 fl oz/a | A | | 0 | 80 | 100 | 58 | 100 | 0 |
| 9 | Atrazine | 1.67 lb/a | A | | | | | | | |
| 9 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 9 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 10 | Anthem Maxx | 4 fl oz/a | A | | 0 | 60 | 93 | 64 | 92 | 0 |
| 10 | Hornet | 3 oz/a | A | | | | | | | |
| 10 | Atrazine | 1.1 lb/a | C | | | | | | | |
| 10 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 10 | Crop oil concentrate | 0.5 % v/v | C | | | | | | | |
| 10 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 11 | Acuron | 2.5 qt/a | A | | 0 | 95 | 100 | 65 | 100 | 0 |
| 11 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 11 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 12 | Corvus | 5.6 fl oz/a | A | | 0 | 94 | 100 | 93 | 96 | 0 |
| 12 | Atrazine | 1.1 lb/a | A | | | | | | | |
| 12 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 12 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 13 | Verdict | 16 fl oz/a | A | | 0 | 56 | 100 | 65 | 95 | 0 |
| 13 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 13 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| | LSD P=.05 | | | | 1.2 | 8.9 | 2.0 | 10.9 | 3.7 | . |
| | Standard Deviation | | | | 0.8 | 6.2 | 1.4 | 7.6 | 2.6 | 0.0 |
| | CV | | | | 22.89 | 7.43 | 1.51 | 9.59 | 2.82 | 0.0 |

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | | | |
|--------------------|-------------|-------------|-------------|-------------|------------|------------|------------|
| Pest Code | ANGR | CHEAL | AMBEL | ABUTH | | ANGR | CHEAL |
| Crop Code | | | | | ZEAMX | | |
| Rating Date | Jun-28-2016 | Jun-28-2016 | Jun-28-2016 | Jun-28-2016 | Jul-5-2016 | Jul-5-2016 | Jul-5-2016 |
| Rating Type | control | control | control | control | injury | control | control |
| Rating Unit | percent | percent | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 7 DA-C | 7 DA-C | 7 DA-C | 7 DA-C | 14 DA-C | 14 DA-C | 14 DA-C |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Rate Unit | Appl Code | ANGR | CHEAL | AMBEL | ABUTH | ZEAMX | ANGR | CHEAL |
|---------|----------------------|----------------|-----------|------|-------|-------|-------|-------|------|-------|
| 1 | Anthem Maxx | 4 fl oz/a | A | 100 | 100 | 100 | 100 | 0 | 100 | 100 |
| 1 | Solstice | 2.5 fl oz/a | B | | | | | | | |
| 1 | Atrazine | 1.1 lb/a | B | | | | | | | |
| 1 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 1 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 1 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 2 | Anthem Maxx | 4 fl oz/a | A | 100 | 100 | 100 | 100 | 0 | 100 | 100 |
| 2 | Atrazine | 1.1 lb/a | A | | | | | | | |
| 2 | Solstice | 2.5 fl oz/a | B | | | | | | | |
| 2 | Atrazine | 0.56 lb/a | B | | | | | | | |
| 2 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 2 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 2 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 3 | Untreated | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Solstice | 3.15 fl oz/a | B | 100 | 100 | 100 | 98 | 0 | 100 | 100 |
| 4 | Atrazine | 1.1 lb/a | B | | | | | | | |
| 4 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 4 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 4 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 5 | Solstice | 2.5 fl oz/a | B | 100 | 81 | 100 | 100 | 0 | 100 | 79 |
| 5 | Anthem Maxx | 2 fl oz/a | B | | | | | | | |
| 5 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 5 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 5 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 6 | Solstice | 2.5 fl oz/a | B | 100 | 100 | 100 | 98 | 0 | 100 | 100 |
| 6 | Anthem Maxx | 2 fl oz/a | B | | | | | | | |
| 6 | Atrazine | 0.56 lb/a | B | | | | | | | |
| 6 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 6 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 6 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 7 | Hornet | 3 oz/a | B | 100 | 100 | 100 | 93 | 0 | 100 | 100 |
| 7 | Anthem Maxx | 2 fl oz/a | B | | | | | | | |
| 7 | Atrazine | 0.56 lb/a | B | | | | | | | |
| 7 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 7 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 7 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 8 | Halex GT | 3.6 pt/a | B | 100 | 94 | 96 | 100 | 0 | 100 | 71 |
| 8 | Surfactant | 0.25 % v/v | B | | | | | | | |
| 8 | AMS | 8.5 lb/100 gal | B | | | | | | | |

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | | | |
|--------------------|-------------|-------------|-------------|-------------|------------|------------|------------|
| Pest Code | ANGR | CHEAL | AMBEL | ABUTH | | ANGR | CHEAL |
| Crop Code | | | | | ZEAMX | | |
| Rating Date | Jun-28-2016 | Jun-28-2016 | Jun-28-2016 | Jun-28-2016 | Jul-5-2016 | Jul-5-2016 | Jul-5-2016 |
| Rating Type | control | control | control | control | injury | control | control |
| Rating Unit | percent | percent | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 7 DA-C | 7 DA-C | 7 DA-C | 7 DA-C | 14 DA-C | 14 DA-C | 14 DA-C |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Rate Unit | Appl Code | ANGR | CHEAL | AMBEL | ABUTH | ZEAMX | ANGR | CHEAL |
|---------|----------------------|----------------|-----------|------|-------|-------|-------|-------|------|-------|
| 9 | Anthem Maxx | 4 fl oz/a | A | 100 | 99 | 78 | 96 | 0 | 100 | 100 |
| 9 | Atrazine | 1.67 lb/a | A | | | | | | | |
| 9 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 9 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 10 | Anthem Maxx | 4 fl oz/a | A | 99 | 75 | 68 | 96 | 0 | 100 | 99 |
| 10 | Hornet | 3 oz/a | A | | | | | | | |
| 10 | Atrazine | 1.1 lb/a | C | | | | | | | |
| 10 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 10 | Crop oil concentrate | 0.5 % v/v | C | | | | | | | |
| 10 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 11 | Acuron | 2.5 qt/a | A | 100 | 100 | 88 | 99 | 0 | 100 | 100 |
| 11 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 11 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 12 | Corvus | 5.6 fl oz/a | A | 100 | 98 | 94 | 98 | 0 | 100 | 100 |
| 12 | Atrazine | 1.1 lb/a | A | | | | | | | |
| 12 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 12 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| 13 | Verdict | 16 fl oz/a | A | 100 | 100 | 85 | 100 | 0 | 100 | 100 |
| 13 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | |
| 13 | AMS | 8.5 lb/100 gal | C | | | | | | | |
| | LSD P=.05 | | | 1.0 | 6.6 | 7.3 | 5.6 | . | 0.3 | 3.6 |
| | Standard Deviation | | | 0.7 | 4.6 | 5.1 | 3.9 | 0.0 | 0.2 | 2.5 |
| | CV | | | 0.75 | 5.23 | 5.95 | 4.29 | 0.0 | 0.2 | 2.82 |

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | | | |
|--------------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| Pest Code | AMAPO | AMBEL | ABUTH | | ANGR | CHEAL | AMAPO |
| Crop Code | | | | ZEAMX | | | |
| Rating Date | Jul-5-2016 | Jul-5-2016 | Jul-5-2016 | Jul-19-2016 | Jul-19-2016 | Jul-19-2016 | Jul-20-2016 |
| Rating Type | control | control | control | injury | control | control | control |
| Rating Unit | percent | percent | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 14 DA-C | 14 DA-C | 14 DA-C | 28 DA-C | 28 DA-C | 28 DA-C | 42 DA-B |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Rate Unit | Appl Code | | | | | | | |
|---------|----------------------|----------------|-----------|-----|-----|-----|---|-----|-----|-----|
| 1 | Anthem Maxx | 4 fl oz/a | A | 100 | 100 | 100 | 0 | 100 | 100 | 100 |
| 1 | Solstice | 2.5 fl oz/a | B | | | | | | | |
| 1 | Atrazine | 1.1 lb/a | B | | | | | | | |
| 1 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 1 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 1 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 2 | Anthem Maxx | 4 fl oz/a | A | 100 | 100 | 100 | 0 | 100 | 100 | 100 |
| 2 | Atrazine | 1.1 lb/a | A | | | | | | | |
| 2 | Solstice | 2.5 fl oz/a | B | | | | | | | |
| 2 | Atrazine | 0.56 lb/a | B | | | | | | | |
| 2 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 2 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 2 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 3 | Untreated | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Solstice | 3.15 fl oz/a | B | 100 | 99 | 100 | 0 | 100 | 100 | 100 |
| 4 | Atrazine | 1.1 lb/a | B | | | | | | | |
| 4 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 4 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 4 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 5 | Solstice | 2.5 fl oz/a | B | 98 | 99 | 100 | 0 | 100 | 80 | 99 |
| 5 | Anthem Maxx | 2 fl oz/a | B | | | | | | | |
| 5 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 5 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 5 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 6 | Solstice | 2.5 fl oz/a | B | 100 | 100 | 100 | 0 | 100 | 100 | 100 |
| 6 | Anthem Maxx | 2 fl oz/a | B | | | | | | | |
| 6 | Atrazine | 0.56 lb/a | B | | | | | | | |
| 6 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 6 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 6 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 7 | Hornet | 3 oz/a | B | 100 | 100 | 98 | 0 | 100 | 100 | 100 |
| 7 | Anthem Maxx | 2 fl oz/a | B | | | | | | | |
| 7 | Atrazine | 0.56 lb/a | B | | | | | | | |
| 7 | Roundup PowerMax | 32 fl oz/a | B | | | | | | | |
| 7 | Crop oil concentrate | 0.5 % v/v | B | | | | | | | |
| 7 | AMS | 8.5 lb/100 gal | B | | | | | | | |
| 8 | Halex GT | 3.6 pt/a | B | 100 | 99 | 100 | 0 | 100 | 84 | 100 |
| 8 | Surfactant | 0.25 % v/v | B | | | | | | | |
| 8 | AMS | 8.5 lb/100 gal | B | | | | | | | |

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Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | | | |
|--------------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| Pest Code | AMAPO | AMBEL | ABUTH | | ANGR | CHEAL | AMAPO |
| Crop Code | | | | ZEAMX | | | |
| Rating Date | Jul-5-2016 | Jul-5-2016 | Jul-5-2016 | Jul-19-2016 | Jul-19-2016 | Jul-19-2016 | Jul-20-2016 |
| Rating Type | control | control | control | injury | control | control | control |
| Rating Unit | percent | percent | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 14 DA-C | 14 DA-C | 14 DA-C | 28 DA-C | 28 DA-C | 28 DA-C | 42 DA-B |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Rate | Rate Unit | Appl Code | AMAPO | AMBEL | ABUTH | ZEAMX | ANGR | CHEAL | AMAPO |
|---------|----------------------|----------------|-----------|-----------|-------|-------|-------|-------|------|-------|-------|
| 9 | Anthem Maxx | 4 fl oz/a | A | 100 | 94 | 100 | 0 | 100 | 100 | 100 | |
| 9 | Atrazine | 1.67 lb/a | A | | | | | | | | |
| 9 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | | |
| 9 | AMS | 8.5 lb/100 gal | C | | | | | | | | |
| 10 | Anthem Maxx | 4 fl oz/a | A | 100 | 74 | 100 | 0 | 100 | 94 | 100 | |
| 10 | Hornet | 3 oz/a | A | | | | | | | | |
| 10 | Atrazine | 1.1 lb/a | C | | | | | | | | |
| 10 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | | |
| 10 | Crop oil concentrate | 0.5 % v/v | C | | | | | | | | |
| 10 | AMS | 8.5 lb/100 gal | C | | | | | | | | |
| 11 | Acuron | 2.5 qt/a | A | 100 | 96 | 100 | 0 | 100 | 100 | 100 | |
| 11 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | | |
| 11 | AMS | 8.5 lb/100 gal | C | | | | | | | | |
| 12 | Corvus | 5.6 fl oz/a | A | 100 | 98 | 100 | 0 | 100 | 100 | 100 | |
| 12 | Atrazine | 1.1 lb/a | A | | | | | | | | |
| 12 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | | |
| 12 | AMS | 8.5 lb/100 gal | C | | | | | | | | |
| 13 | Verdict | 16 fl oz/a | A | 96 | 96 | 100 | 0 | 100 | 100 | 100 | |
| 13 | Roundup PowerMax | 32 fl oz/a | C | | | | | | | | |
| 13 | AMS | 8.5 lb/100 gal | C | | | | | | | | |
| | LSD P=.05 | | | 3.4 | 4.1 | 2.0 | . | . | 3.5 | 1.0 | |
| | Standard Deviation | | | 2.4 | 2.8 | 1.4 | 0.0 | 0.0 | 2.5 | 0.7 | |
| | CV | | | 2.62 | 3.19 | 1.51 | 0.0 | 0.0 | 2.76 | 0.75 | |

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|
| Pest Code | AMBEL | ABUTH | | | |
| Crop Code | | | ZEAMX | ZEAMX | ZEAMX |
| Rating Date | Jul-20-2016 | Jul-20-2016 | Oct-19-2016 | Oct-19-2016 | Oct-19-2016 |
| Rating Type | control | control | test weight | moisture | yield |
| Rating Unit | percent | percent | lbs/bu | percent | bu/acre |
| Trt-Eval Interval | 42 DA-B | 42 DA-B | 154 DA-A | 154 DA-A | at 15% M |
| Number of Decimals | 0 | 0 | 1 | 1 | 0 |

| Trt No. | Treatment Name | Rate Unit | Appl Code | | | | | |
|---------|----------------------|----------------|-----------|-----|-----|------|------|-----|
| 1 | Anthem Maxx | 4 fl oz/a | A | 100 | 100 | 53.8 | 19.0 | 256 |
| 1 | Solstice | 2.5 fl oz/a | B | | | | | |
| 1 | Atrazine | 1.1 lb/a | B | | | | | |
| 1 | Roundup PowerMax | 32 fl oz/a | B | | | | | |
| 1 | Crop oil concentrate | 0.5 % v/v | B | | | | | |
| 1 | AMS | 8.5 lb/100 gal | B | | | | | |
| 2 | Anthem Maxx | 4 fl oz/a | A | 100 | 100 | 53.8 | 19.0 | 257 |
| 2 | Atrazine | 1.1 lb/a | A | | | | | |
| 2 | Solstice | 2.5 fl oz/a | B | | | | | |
| 2 | Atrazine | 0.56 lb/a | B | | | | | |
| 2 | Roundup PowerMax | 32 fl oz/a | B | | | | | |
| 2 | Crop oil concentrate | 0.5 % v/v | B | | | | | |
| 2 | AMS | 8.5 lb/100 gal | B | | | | | |
| 3 | Untreated | | | 0 | 0 | 53.3 | 20.4 | 193 |
| 4 | Solstice | 3.15 fl oz/a | B | 100 | 100 | 53.7 | 18.8 | 258 |
| 4 | Atrazine | 1.1 lb/a | B | | | | | |
| 4 | Roundup PowerMax | 32 fl oz/a | B | | | | | |
| 4 | Crop oil concentrate | 0.5 % v/v | B | | | | | |
| 4 | AMS | 8.5 lb/100 gal | B | | | | | |
| 5 | Solstice | 2.5 fl oz/a | B | 99 | 96 | 53.5 | 19.2 | 249 |
| 5 | Anthem Maxx | 2 fl oz/a | B | | | | | |
| 5 | Roundup PowerMax | 32 fl oz/a | B | | | | | |
| 5 | Crop oil concentrate | 0.5 % v/v | B | | | | | |
| 5 | AMS | 8.5 lb/100 gal | B | | | | | |
| 6 | Solstice | 2.5 fl oz/a | B | 100 | 100 | 54.0 | 18.9 | 253 |
| 6 | Anthem Maxx | 2 fl oz/a | B | | | | | |
| 6 | Atrazine | 0.56 lb/a | B | | | | | |
| 6 | Roundup PowerMax | 32 fl oz/a | B | | | | | |
| 6 | Crop oil concentrate | 0.5 % v/v | B | | | | | |
| 6 | AMS | 8.5 lb/100 gal | B | | | | | |
| 7 | Hornet | 3 oz/a | B | 100 | 97 | 53.9 | 19.4 | 248 |
| 7 | Anthem Maxx | 2 fl oz/a | B | | | | | |
| 7 | Atrazine | 0.56 lb/a | B | | | | | |
| 7 | Roundup PowerMax | 32 fl oz/a | B | | | | | |
| 7 | Crop oil concentrate | 0.5 % v/v | B | | | | | |
| 7 | AMS | 8.5 lb/100 gal | B | | | | | |
| 8 | Halex GT | 3.6 pt/a | B | 99 | 100 | 54.3 | 19.6 | 255 |
| 8 | Surfactant | 0.25 % v/v | B | | | | | |
| 8 | AMS | 8.5 lb/100 gal | B | | | | | |

Weed control programs with Anthem Maxx in corn

Trial ID: C04-16

Location: Campus T-17

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|
| Pest Code | AMBEL | ABUTH | | | |
| Crop Code | | | ZEAMX | ZEAMX | ZEAMX |
| Rating Date | Jul-20-2016 | Jul-20-2016 | Oct-19-2016 | Oct-19-2016 | Oct-19-2016 |
| Rating Type | control | control | test weight | moisture | yield |
| Rating Unit | percent | percent | lbs/bu | percent | bu/acre |
| Trt-Eval Interval | 42 DA-B | 42 DA-B | 154 DA-A | 154 DA-A | at 15% M |
| Number of Decimals | 0 | 0 | 1 | 1 | 0 |

| Trt No. | Treatment Name | Rate Unit | Appl Code | | | | | |
|---------|----------------------|----------------|-----------|------|------|------|------|------|
| 9 | Anthem Maxx | 4 fl oz/a | A | 98 | 100 | 53.8 | 19.0 | 243 |
| 9 | Atrazine | 1.67 lb/a | A | | | | | |
| 9 | Roundup PowerMax | 32 fl oz/a | C | | | | | |
| 9 | AMS | 8.5 lb/100 gal | C | | | | | |
| 10 | Anthem Maxx | 4 fl oz/a | A | 84 | 100 | 54.1 | 19.0 | 254 |
| 10 | Hornet | 3 oz/a | A | | | | | |
| 10 | Atrazine | 1.1 lb/a | C | | | | | |
| 10 | Roundup PowerMax | 32 fl oz/a | C | | | | | |
| 10 | Crop oil concentrate | 0.5 % v/v | C | | | | | |
| 10 | AMS | 8.5 lb/100 gal | C | | | | | |
| 11 | Acuron | 2.5 qt/a | A | 99 | 100 | 53.6 | 18.9 | 245 |
| 11 | Roundup PowerMax | 32 fl oz/a | C | | | | | |
| 11 | AMS | 8.5 lb/100 gal | C | | | | | |
| 12 | Corvus | 5.6 fl oz/a | A | 100 | 100 | 54.1 | 18.9 | 254 |
| 12 | Atrazine | 1.1 lb/a | A | | | | | |
| 12 | Roundup PowerMax | 32 fl oz/a | C | | | | | |
| 12 | AMS | 8.5 lb/100 gal | C | | | | | |
| 13 | Verdict | 16 fl oz/a | A | 93 | 100 | 53.5 | 19.2 | 259 |
| 13 | Roundup PowerMax | 32 fl oz/a | C | | | | | |
| 13 | AMS | 8.5 lb/100 gal | C | | | | | |
| | LSD P=.05 | | | 3.7 | 3.5 | 0.78 | 0.90 | 18.1 |
| | Standard Deviation | | | 2.6 | 2.5 | 0.55 | 0.63 | 12.6 |
| | CV | | | 2.86 | 2.68 | 1.01 | 3.28 | 5.08 |