

MSU Weed Science Research Program

Weed control and corn tolerance with Acuron

Trial ID: C03-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-27 Investigator: Christy Sprague

Date Planted: Apr/29/2015 Row Spacing: 30 IN
 Variety: Dekalb 49-72 No. of Reps: 4
 Population: 32,000 seeds/A % OM: 3.1
 Soil Type: Sandy loam pH: 6.2
 Plot Size: 10 X 35 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow; spring soil finish
 Fertilizer: 300lb/A Urea broadcasted and incorporated; 150lb/A 19-19-19 starter

Crop and Weed Description

| Weed | Code | Common Name | Scientific Name |
|------|-------|------------------------|-----------------------------|
| 1. | ANGR | mainly foxtail species | SETARIA SP. |
| 2. | CHEAL | LAMBSQUARTERS, COMMON | CHENOPODIUM ALBUM L. |
| 3. | AMAPO | AMARANTH, POWELL | AMARANTHUS POWELLII S.WATS. |
| 4. | AMBEL | RAGWEED, COMMON | AMBROSIA ARTEMISIIFOLIA L. |
| 5. | ABUTH | VELVETLEAF | ABUTILON THEOPHRASTI MEDIK. |
| Crop | Code | Common Name | |
| 1. | ZEAMX | CORN, FIELD | |

Application Description

| | A | B |
|-----------------------|-------------|-------------|
| Application Timing: | PRE | POST |
| Date Treated: | Apr/29/2015 | Jun/09/2015 |
| Time Treated: | 1:46 PM | 11:45 AM |
| % Cloud Cover: | 30 | 10 |
| Air Temp., Unit: | 70 F | 70 F |
| % Relative Humidity: | 40 | 70 |
| Wind Speed/Unit/Dir: | 6 mph | 4 mph W |
| Soil Temp., Unit: | 62 F | 62 F |
| Soil/Leaf Surface M: | 4 - | 3 5 |
| Soil Moist (1=w 5=d): | 3 | 3 |

Crop Stage at Each Application

| | A | B |
|---------------|-------|-------|
| Crop Name: | ZEAMX | ZEAMX |
| Height (In.): | - | 16" |
| Stage (L): | - | V6 |

Weed Stage at Each Application

| | A | B |
|---------------|-------|-------|
| Weed 1 Name: | ANGR | ANGR |
| Height (In.): | - | - |
| Stage (L): | - | - |
| Weed 2 Name: | CHEAL | CHEAL |
| Height (In.): | - | - |
| Stage (L): | - | - |
| Weed 3 Name: | AMAPO | AMAPO |
| Height (In.): | - | - |
| Stage (L): | - | - |
| Weed 4 Name: | AMBEL | AMBEL |
| Height (In.): | - | 1" |
| Stage (L): | - | 4 |
| Weed 5 Name: | ABUTH | ABUTH |
| Height (In.): | - | 0.5" |
| Stage (L): | - | cot |

Weed Density (plants/sq. ft.)

| | 1 | 2 | 3 | 4 | 5 |
|------------|-------------|-------------|-------------|-------------|-------------|
| Date: | Jun/09/2015 | Jun/09/2015 | Jun/09/2015 | Jun/09/2015 | Jun/09/2015 |
| Weed Name: | ANGR | CHEAL | AMAPO | AMBEL | ABUTH |
| Density: | 9 | 22 | 2 | 6 | 2 |

Application Equipment

| Appl | Sprayer | Speed | Nozzle | Nozzle | Nozzle | Nozzle | Boom | GPA | Carrier | PSI |
|------|---------|-------|--------|--------|--------|---------|-------|-----|---------|-----|
| | Type | MPH | Type | Size | Height | Spacing | Width | | | |
| A | Cub | 3.8 | AIXR | 11003 | 20" | 20" | 80" | 19 | Water | 28 |
| B | Cub | 3.8 | AIXR | 11003 | 30" | 20" | 100" | 19 | Water | 28 |

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Trial ID: C03-15 Study Dir.: Sprague and Powell
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| Weed Code | Crop Code | Rating Data Type | Rating Unit | Rating Date | Trt-Eval Interval | # Subsamples, Dec. | ZEAMX injury percent | ANGR control percent | CHEAL control percent | AMAPO control percent | AMBEL control percent | |
|-------------|-----------------|------------------|-------------|-------------|-------------------|--------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|------|
| | | | | | | | May/29/2015 30 DA-A | May/29/2015 30 DA-A | May/29/2015 30 DA-A | May/29/2015 30 DA-A | May/29/2015 30 DA-A | |
| | | | | | | | 0 | 0 | 0 | 0 | 0 | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 2 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 2 | Atrazine | 90 | WG | 1.1 | lb/a | PRE | A | | | | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 4 | Lexar EZ | 3.7 | L | 3 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 6 | Verdict | 5.57 | L | 18 | fl oz/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 7 | Anthem ATZ | 4.5 | L | 2.5 | pt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 8 | SureStart II | 4.16 | L | 3 | pt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 9 | Untreated | | | | | | A | 0 | 0 | 0 | 0 | 0 |
| 10 | Acuron | 3.44 | L | 2 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 10 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 10 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 11 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 11 | Status | 56 | WG | 5 | oz/a | POST | B | | | | | |
| 11 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 11 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 12 | Acuron | 3.44 | L | 1.5 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| 12 | Halex GT | 4.38 | L | 3.6 | pt/a | POST | B | | | | | |
| 12 | Surfactant | | L | 0.25 | % v/v | POST | B | | | | | |
| 12 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| LSD (P=.05) | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| CV | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 |

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

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Trial ID: C03-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-27 Investigator: Christy Sprague

| | | | | | | | | ABUTH | ZEAMX | ANGR | CHEAL | AMAPO |
|-------------|-----------------|-----------|-----------|------|-----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | control | injury | control | control | control |
| | | | | | | | | percent | percent | percent | percent | percent |
| | | | | | | | | May/29/2015 | Jun/09/2015 | Jun/09/2015 | Jun/09/2015 | Jun/09/2015 |
| | | | | | | | | 30 DA-A | 0 DA-B | 0 DA-B | 0 DA-B | 0 DA-B |
| | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 2 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 2 | Atrazine | 90 | WG | 1.1 | lb/a | PRE | A | | | | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 4 | Lexar EZ | 3.7 | L | 3 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 6 | Verdict | 5.57 | L | 18 | fl oz/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 7 | Anthem ATZ | 4.5 | L | 2.5 | pt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 8 | SureStart II | 4.16 | L | 3 | pt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 9 | Untreated | | | | | | A | 0 | 0 | 0 | 0 | 0 |
| 10 | Acuron | 3.44 | L | 2 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 10 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 10 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 11 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 11 | Status | 56 | WG | 5 | oz/a | POST | B | | | | | |
| 11 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 11 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 12 | Acuron | 3.44 | L | 1.5 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| 12 | Halex GT | 4.38 | L | 3.6 | pt/a | POST | B | | | | | |
| 12 | Surfactant | | L | 0.25 | % v/v | POST | B | | | | | |
| 12 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| LSD (P=.05) | | | | | | | | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| CV | | | | | | | | 0.32 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | AMBEL | ABUTH | ZEAMX | ANGR | CHEAL |
|-------------|-----------------|------|------|-------------|------|------|----|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | control | control | injury | control | control |
| | | | | | | | | percent | percent | percent | percent | percent |
| | | | | | | | | Jun/09/2015 | Jun/09/2015 | Jun/23/2015 | Jun/23/2015 | Jun/23/2015 |
| | | | | | | | | 0 DA-B | 0 DA-B | 14 DA-B | 14 DA-B | 14 DA-B |
| | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt | Treatment | Form | Form | Rate | Grow | Appl | | | | | | |
| No. | Name | Conc | Type | Unit | Stg | Code | | | | | | |
| 1 | Acuron | 3.44 | L | 3 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 2 | Acuron | 3.44 | L | 3 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 2 | Atrazine | 90 | WG | 1.1 lb/a | PRE | A | | | | | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 4 | Lexar EZ | 3.7 | L | 3 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 5 | Corvus | 2.63 | L | 5.6 fl oz/a | PRE | A | 99 | 99 | 0 | 98 | 99 | |
| 6 | Verdict | 5.57 | L | 18 fl oz/a | PRE | A | 91 | 96 | 0 | 97 | 98 | |
| 7 | Anthem ATZ | 4.5 | L | 2.5 pt/a | PRE | A | 96 | 99 | 0 | 99 | 99 | |
| 8 | SureStart II | 4.16 | L | 3 pt/a | PRE | A | 99 | 99 | 0 | 98 | 99 | |
| 9 | Untreated | | | | | A | 0 | 0 | 0 | 0 | 0 | |
| 10 | Acuron | 3.44 | L | 2 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 10 | Touchdown Total | 4.17 | SL | 32 fl oz/a | POST | B | | | | | | |
| 10 | AMS LIQUID | | L | 2.5 % v/v | POST | B | | | | | | |
| 11 | Acuron | 3.44 | L | 3 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 11 | Status | 56 | WG | 5 oz/a | POST | B | | | | | | |
| 11 | Touchdown Total | 4.17 | SL | 32 fl oz/a | POST | B | | | | | | |
| 11 | AMS LIQUID | | L | 2.5 % v/v | POST | B | | | | | | |
| 12 | Acuron | 3.44 | L | 1.5 qt/a | PRE | A | 99 | 99 | 0 | 99 | 99 | |
| 12 | Halex GT | 4.38 | L | 3.6 pt/a | POST | B | | | | | | |
| 12 | Surfactant | | L | 0.25 % v/v | POST | B | | | | | | |
| 12 | AMS LIQUID | | L | 2.5 % v/v | POST | B | | | | | | |
| LSD (P=.05) | | | | | | | | 2.9 | 1.8 | 0.0 | 1.8 | 0.8 |
| CV | | | | | | | | 2.23 | 1.37 | 0.0 | 1.39 | 0.64 |

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| | | | | | | | | AMAPO | AMBEL | ABUTH | ZEAMX | ANGR |
|-------------|-----------------|-----------|-----------|------|-----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | control | control | control | injury | control |
| | | | | | | | | percent | percent | percent | percent | percent |
| | | | | | | | | Jun/23/2015 | Jun/23/2015 | Jun/23/2015 | Jul/09/2015 | Jul/09/2015 |
| | | | | | | | | 14 DA-B | 14 DA-B | 14 DA-B | 30 DA-B | 30 DA-B |
| | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 0 | 99 |
| 2 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 0 | 99 |
| 2 | Atrazine | 90 | WG | 1.1 | lb/a | PRE | A | | | | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 97 | 99 | 0 | 99 |
| 4 | Lexar EZ | 3.7 | L | 3 | qt/a | PRE | A | 99 | 98 | 99 | 0 | 99 |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 99 | 99 | 99 | 0 | 99 |
| 6 | Verdict | 5.57 | L | 18 | fl oz/a | PRE | A | 99 | 88 | 99 | 0 | 98 |
| 7 | Anthem ATZ | 4.5 | L | 2.5 | pt/a | PRE | A | 99 | 92 | 99 | 0 | 99 |
| 8 | SureStart II | 4.16 | L | 3 | pt/a | PRE | A | 99 | 97 | 98 | 0 | 98 |
| 9 | Untreated | | | | | | A | 0 | 0 | 0 | 0 | 0 |
| 10 | Acuron | 3.44 | L | 2 | qt/a | PRE | A | 99 | 99 | 99 | 0 | 99 |
| 10 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 10 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 11 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 0 | 99 |
| 11 | Status | 56 | WG | 5 | oz/a | POST | B | | | | | |
| 11 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 11 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 12 | Acuron | 3.44 | L | 1.5 | qt/a | PRE | A | 99 | 99 | 99 | 0 | 99 |
| 12 | Halex GT | 4.38 | L | 3.6 | pt/a | POST | B | | | | | |
| 12 | Surfactant | | L | 0.25 | % v/v | POST | B | | | | | |
| 12 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| LSD (P=.05) | | | | | | | | 0.0 | 3.3 | 1.0 | 0.0 | 1.0 |
| CV | | | | | | | | 0.0 | 2.55 | 0.78 | 0.0 | 0.79 |

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

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Trial ID: C03-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-27 Investigator: Christy Sprague

| Weed Code | CHEAL | AMAPO | AMBEL | ABUTH | ZEAMX | | | | | | | |
|--------------------|-----------------|-------------|-------------|-------------|-------------|----------|-----------|------|------|------|-----|-----|
| Crop Code | | | | | | | | | | | | |
| Rating Data Type | control | control | control | control | injury | | | | | | | |
| Rating Unit | percent | percent | percent | percent | percent | | | | | | | |
| Rating Date | Jul/09/2015 | Jul/09/2015 | Jul/09/2015 | Jul/09/2015 | Aug/04/2015 | | | | | | | |
| Trt-Eval Interval | 30 DA-B | 30 DA-B | 30 DA-B | 30 DA-B | 56 DA-B | | | | | | | |
| # Subsamples, Dec. | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 2 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 2 | Atrazine | 90 | WG | 1.1 | lb/a | PRE | A | | | | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 4 | Lexar EZ | 3.7 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 6 | Verdict | 5.57 | L | 18 | fl oz/a | PRE | A | 99 | 99 | 95 | 99 | 0 |
| 7 | Anthem ATZ | 4.5 | L | 2.5 | pt/a | PRE | A | 99 | 99 | 99 | 98 | 0 |
| 8 | SureStart II | 4.16 | L | 3 | pt/a | PRE | A | 99 | 99 | 98 | 99 | 0 |
| 9 | Untreated | | | | | | A | 0 | 0 | 0 | 0 | 0 |
| 10 | Acuron | 3.44 | L | 2 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 10 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 10 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 11 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 11 | Status | 56 | WG | 5 | oz/a | POST | B | | | | | |
| 11 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 11 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 12 | Acuron | 3.44 | L | 1.5 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 0 |
| 12 | Halex GT | 4.38 | L | 3.6 | pt/a | POST | B | | | | | |
| 12 | Surfactant | | L | 0.25 | % v/v | POST | B | | | | | |
| 12 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| LSD (P=.05) | | | | | | | | 0.4 | 0.2 | 1.5 | 0.4 | 0.0 |
| CV | | | | | | | | 0.28 | 0.16 | 1.17 | 0.3 | 0.0 |

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| | | | | | | | | ANGR | CHEAL | AMAPO | AMBEL | ABUTH |
|-------------|-----------------|-----------|-----------|------|-----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | control | control | control | control | control |
| | | | | | | | | percent | percent | percent | percent | percent |
| | | | | | | | | Aug/04/2015 | Aug/04/2015 | Aug/04/2015 | Aug/04/2015 | Aug/04/2015 |
| | | | | | | | | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B |
| | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 99 |
| 2 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 98 | 99 |
| 2 | Atrazine | 90 | WG | 1.1 | lb/a | PRE | A | | | | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 99 | 99 | 97 | 99 |
| 4 | Lexar EZ | 3.7 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 97 | 99 |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 98 | 99 | 99 | 99 | 99 |
| 6 | Verdict | 5.57 | L | 18 | fl oz/a | PRE | A | 97 | 99 | 99 | 85 | 99 |
| 7 | Anthem ATZ | 4.5 | L | 2.5 | pt/a | PRE | A | 99 | 99 | 99 | 97 | 98 |
| 8 | SureStart II | 4.16 | L | 3 | pt/a | PRE | A | 99 | 99 | 99 | 99 | 99 |
| 9 | Untreated | | | | | | A | 0 | 0 | 0 | 0 | 0 |
| 10 | Acuron | 3.44 | L | 2 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 99 |
| 10 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 10 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 11 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 99 |
| 11 | Status | 56 | WG | 5 | oz/a | POST | B | | | | | |
| 11 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | | | | |
| 11 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| 12 | Acuron | 3.44 | L | 1.5 | qt/a | PRE | A | 99 | 99 | 99 | 99 | 99 |
| 12 | Halex GT | 4.38 | L | 3.6 | pt/a | POST | B | | | | | |
| 12 | Surfactant | | L | 0.25 | % v/v | POST | B | | | | | |
| 12 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | | | | |
| LSD (P=.05) | | | | | | | | 1.4 | 0.4 | 0.2 | 2.0 | 0.4 |
| CV | | | | | | | | 1.06 | 0.28 | 0.16 | 1.59 | 0.3 |

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

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Trial ID: C03-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-27 Investigator: Christy Sprague

Weed Code
 Crop Code
 Rating Data Type ZEAMX
 Rating Unit moisture
 Rating Date percent
 Trt-Eval Interval Oct/16/2015
 # Subsamples, Dec. 129 DA-B
 1 Oct/16/2015
 0 at 15% M

| Trt No. | Treatment Name | Form Conc | Form Type | Rate Rate | Rate Unit | Grow Stg | Appl Code | | |
|-------------|-----------------|-----------|-----------|-----------|-----------|----------|-----------|------|------|
| 1 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 16.1 | 245 |
| 2 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 15.6 | 252 |
| 2 | Atrazine | 90 | WG | 1.1 | lb/a | PRE | A | | |
| 3 | Lumax EZ | 3.67 | L | 2.7 | qt/a | PRE | A | 15.9 | 257 |
| 4 | Lexar EZ | 3.7 | L | 3 | qt/a | PRE | A | 16.7 | 241 |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 16.7 | 245 |
| 6 | Verdict | 5.57 | L | 18 | fl oz/a | PRE | A | 17.3 | 237 |
| 7 | Anthem ATZ | 4.5 | L | 2.5 | pt/a | PRE | A | 16.0 | 242 |
| 8 | SureStart II | 4.16 | L | 3 | pt/a | PRE | A | 16.5 | 233 |
| 9 | Untreated | | | | | | A | 16.4 | 103 |
| 10 | Acuron | 3.44 | L | 2 | qt/a | PRE | A | 15.6 | 233 |
| 10 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | |
| 10 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | |
| 11 | Acuron | 3.44 | L | 3 | qt/a | PRE | A | 16.1 | 234 |
| 11 | Status | 56 | WG | 5 | oz/a | POST | B | | |
| 11 | Touchdown Total | 4.17 | SL | 32 | fl oz/a | POST | B | | |
| 11 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | |
| 12 | Acuron | 3.44 | L | 1.5 | qt/a | PRE | A | 16.1 | 239 |
| 12 | Halex GT | 4.38 | L | 3.6 | pt/a | POST | B | | |
| 12 | Surfactant | | L | 0.25 | % v/v | POST | B | | |
| 12 | AMS LIQUID | | L | 2.5 | % v/v | POST | B | | |
| LSD (P=.05) | | | | | | | | 1.17 | 25.5 |
| CV | | | | | | | | 4.98 | 7.69 |

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