

MSU Weed Science Research Program

Weed control strategies for Enlist corn

Trial ID: C08-13 Study Dir.: Sprague, Powell
 Conducted: Campus C-26 Investigator: Christy Sprague

Date Planted: May/06/2013 **Row Spacing:** 30 IN
Variety: Enlist corn **No. of Reps:** 4
Population: 32,000 seeds/A **% OM:** 2.6
Soil Type: Sandy loam **pH:** 6.1
Plot Size: 10 X 30 FT **Design:** RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel, spring soil finish x2
Fertilizer: 300 lb urea broadcast, 150 lb 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 ARTEMISII FOLIA L. |
| 5. | ABUTH | VELVETLEAF | ABUTILON THEOPHRASTI MEDIK. |
| 6. | SINAR | MUSTARD, WILD | SINAPIS ARVENSIS L. |
| 7. | SOLPT | NIGHTSHADE, EASTERN BLACK | SOLANUM PTYCANTHUM DUNAL |
| Crop | Code | Common Name | |
| 1. | ZEAMX | CORN, FIELD | |

Application Description

| | A | B | C |
|------------------------------|-------------|-------------|-------------|
| Application Timing: | PRE | V2 | V4 |
| Date Treated: | May/07/2013 | May/25/2013 | Jun/05/2013 |
| Time Treated: | 1:45 PM | 10:00 AM | 2:00 PM |
| % Cloud Cover: | 20 | 0 | 80 |
| Air Temp., Unit: | 72 F | 55 F | 71 F |
| % Relative Humidity: | 39 | 60 | 29 |
| Wind Speed/Unit/Dir: | 3 mph E | 6 mph N | 4 mph NE |
| Soil Temp., Unit: | 62 F | 60 F | 66 F |
| Soil/Leaf Surface M: | 3 - | 3 5 | 5 5 |
| Soil Moist (1=w 5=d): | 3 | 3 | 3 |

Crop Stage at Each Application

| | A | B | C |
|----------------------|-------|-------|-------|
| Crop Name: | ZEAMX | ZEAMX | ZEAMX |
| Height (In.): | - | 5" | 9" |
| Stage (L): | - | V2 | V4 |

Weed Stage at Each Application

| | A | B | C |
|----------------------|-------|----------|-------|
| Weed 1 Name: | ANGR | ANGR | ANGR |
| Height (In.): | - | .25-.5" | 3" |
| Stage (L): | - | 1 | 3 |
| Weed 2 Name: | CHEAL | CHEAL | CHEAL |
| Height (In.): | - | .25-.5" | 1" |
| Stage (L): | - | Cot. - 2 | 4 |
| Weed 3 Name: | AMAPO | AMAPO | AMAPO |
| Height (In.): | - | - | 2" |
| Stage (L): | - | - | 6 |
| Weed 4 Name: | AMBEL | AMBEL | AMBEL |
| Height (In.): | - | .25-.5" | 1" |
| Stage (L): | - | Cot. - 2 | 4 |
| Weed 5 Name: | ABUTH | ABUTH | ABUTH |
| Height (In.): | - | .25-.5" | 1" |
| Stage (L): | - | Cot. - 2 | 1 |

Weed Density (plants/sq. ft.)

| | 1 | 2 | 3 | 4 | 5 |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| Date: | Jul/11/2013 | Jul/11/2013 | Jul/11/2013 | Jul/11/2013 | Jul/11/2013 |
| Weed Name: | ANGR | CHEAL | AMAPO | AMBEL | ABUTH |
| Density: | 3 | 5 | <1 | 7 | <1 |

Application Equipment

| Appl | Sprayer Type | Speed MPH | Nozzle Type | Nozzle Size | Nozzle Height | Nozzle Spacing | Boom Width | GPA | Carrier | PSI |
|------|--------------|-----------|-------------|-------------|---------------|----------------|------------|-----|---------|-----|
| A | Cub | 3.8 | AIXR | 11003 | 22" | 20" | 100" | 19 | water | 35 |
| B | Cub | 3.8 | AIXR | 11003 | 24" | 20" | 100" | 19 | water | 35 |
| C | Cub | 3.8 | AIXR | 11003 | 25" | 20" | 100" | 19 | water | 30 |

MSU Weed Science Research Program

Weed control strategies for Enlist corn

Trial ID: C08-13 Study Dir.: Sprague, Powell
 Conducted: Campus C-26 Investigator: Christy Sprague

| Weed Code | ANGR | CHEAL | AMBEL | ABUTH |
|--------------------|-------------|-------------|-------------|-------------|
| Crop Code | ZEAMX | | | |
| Rating Data Type | injury | control | control | control |
| Rating Unit | percent | percent | percent | PERCENT |
| Rating Date | Jun/01/2013 | Jun/01/2013 | Jun/01/2013 | Jun/01/2013 |
| Trt-Eval Interval | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-B |
| # Subsamples, Dec. | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
|---------|------------------|-----------|-----------|------|-----------|----------|-----------|---|----|----|----|----|
| 1 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | | | | | |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 2 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | | | | | |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 3 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | | | | | |
| | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 4 | Harness Xtra | 5.6 | L | 2 | qt/a | PRE | A | | | | | |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | | | | | |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 6 | Lumax EX | 3.67 | L | 2.7 | qt/a | PRE | A | | | | | |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 7 | Verdict | 5.57 | L | 11 | fl oz/a | PRE | A | | | | | |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 8 | Untreated | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 9 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 0 | 98 | 99 | 97 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 10 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 0 | 99 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 11 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V2 | B | 0 | 99 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V2 | B | | | | | |
| | Status | 56 | WG | 10 | oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V2 | B | 0 | 99 | 99 | 97 | 99 |
| | Clarity | 4 | L | 16 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 13 | Corvus | 2.63 | L | 5.6 | fl oz/a | V2 | B | 0 | 99 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 14 | Halex GT | 4.38 | L | 3.6 | pt/a | V2 | B | 0 | 99 | 99 | 97 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 15 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | | | | | |
| | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 16 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | | | | | |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |

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|--------------------|--|-------------|-------------|-------------|-------------|
| Weed Code | | ANGR | CHEAL | AMBEL | ABUTH |
| Crop Code | | ZEAMX | | | |
| Rating Data Type | | injury | control | control | control |
| Rating Unit | | percent | percent | percent | PERCENT |
| Rating Date | | Jun/01/2013 | Jun/01/2013 | Jun/01/2013 | Jun/01/2013 |
| Trt-Eval Interval | | 7 DA-B | 7 DA-B | 7 DA-B | 7 DA-B |
| # Subsamples, Dec. | | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Grow Stg | Appl Code | | | | | |
|-------------|------------------|-----------|-----------|------|---------|----------|-----------|-----|------|------|------|------|
| 17 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V4 | C | | | | | |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | | |
| | Status | 56 | WG | 10 | oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 18 | Halex GT | 4.38 | L | 3.6 | pt/a | V4 | C | | | | | |
| | Surfactant | | L | 0.25 | % v/v | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 19 | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 20 | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 21 | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 22 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V4 | C | | | | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| LSD (P=.05) | | | | | | | | 0.0 | 1.1 | 0.3 | 2.0 | 0.5 |
| CV | | | | | | | | 0.0 | 0.88 | 0.26 | 1.61 | 0.43 |

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

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| Weed Code | | | | | | | | | ANGR | CHEAL | AMAPO | AMBEL |
|--------------------|------------------|-----------|-----------|------|-----------|----------|-----------|---|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | ZEAMX | | | |
| Rating Data Type | | | | | | | | | injury | control | control | control |
| Rating Unit | | | | | | | | | percent | percent | percent | percent |
| Rating Date | | | | | | | | | Jun/05/2013 | Jun/05/2013 | Jun/05/2013 | Jun/05/2013 |
| Trt-Eval Interval | | | | | | | | | 11 DA-B | 11 DA-B | 11 DA-B | 11 DA-B |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 0 | 98 | 98 | 99 | 90 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 2 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 0 | 99 | 99 | 99 | 93 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 3 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 0 | 95 | 99 | 99 | 90 |
| | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 4 | Harness Xtra | 5.6 | L | 2 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 0 | 99 | 99 | 99 | 98 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 6 | Lumax EX | 3.67 | L | 2.7 | qt/a | PRE | A | 0 | 99 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 7 | Verdict | 5.57 | L | 11 | fl oz/a | PRE | A | 0 | 99 | 99 | 99 | 85 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 8 | Untreated | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 9 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 0 | 99 | 99 | 99 | 98 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 10 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 0 | 99 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 11 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V2 | B | 0 | 99 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V2 | B | | | | | |
| | Status | 56 | WG | 10 | oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V2 | B | 0 | 99 | 99 | 99 | 85 |
| | Clarity | 4 | L | 16 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 13 | Corvus | 2.63 | L | 5.6 | fl oz/a | V2 | B | 0 | 99 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 14 | Halex GT | 4.38 | L | 3.6 | pt/a | V2 | B | 0 | 99 | 99 | 99 | 88 |
| | Surfactant | | L | 0.25 | % v/v | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 15 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | | | | | |
| | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 16 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | | | | | |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 17 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V4 | C | | | | | |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | | |
| | Status | 56 | WG | 10 | oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 18 | Halex GT | 4.38 | L | 3.6 | pt/a | V4 | C | | | | | |
| | Surfactant | | L | 0.25 | % v/v | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |

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| | | | | | |
|--------------------|--|-------------|-------------|-------------|-------------|
| Weed Code | | ANGR | CHEAL | AMAPO | AMBEL |
| Crop Code | | ZEAMX | | | |
| Rating Data Type | | injury | control | control | control |
| Rating Unit | | percent | percent | percent | percent |
| Rating Date | | Jun/05/2013 | Jun/05/2013 | Jun/05/2013 | Jun/05/2013 |
| Trt-Eval Interval | | 11 DA-B | 11 DA-B | 11 DA-B | 11 DA-B |
| # Subsamples, Dec. | | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form | Form | Rate | Grow | Appl | | | | | | |
|-------------|------------------|------|------|------|---------|------|------|-----|------|------|-----|------|
| | | Conc | Type | Rate | Unit | Stg | Code | | | | | |
| 19 | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 20 | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 21 | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 22 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V4 | C | | | | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| LSD (P=.05) | | | | | | | | 0.0 | 2.7 | 0.8 | 0.0 | 6.9 |
| CV | | | | | | | | 0.0 | 2.03 | 0.58 | 0.0 | 5.54 |

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

MSU Weed Science Research Program

| Weed Code | | | | | | | | ABUTH | | ANGR | CHEAL | AMAPO |
|--------------------|------------------|-----------|-----------|------|-----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | ZEAMX | | | |
| Rating Data Type | | | | | | | | control | injury | control | control | control |
| Rating Unit | | | | | | | | percent | percent | percent | percent | percent |
| Rating Date | | | | | | | | Jun/05/2013 | Jun/12/2013 | Jun/12/2013 | Jun/12/2013 | Jun/12/2013 |
| Trt-Eval Interval | | | | | | | | 11 DA-B | 7 DA-C | 7 DA-C | 7 DA-C | 7 DA-C |
| # Subsamples, Dec. | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 96 | 2 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 2 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 3 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 4 | Harness Xtra | 5.6 | L | 2 | qt/a | PRE | A | 99 | 15 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 6 | Lumax EX | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 7 | Verdict | 5.57 | L | 11 | fl oz/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 8 | Untreated | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 9 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 97 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 10 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 99 | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 11 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V2 | B | 99 | 0 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V2 | B | | | | | |
| | Status | 56 | WG | 10 | oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V2 | B | 98 | 1 | 97 | 89 | 99 |
| | Clarity | 4 | L | 16 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 13 | Corvus | 2.63 | L | 5.6 | fl oz/a | V2 | B | 99 | 3 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 14 | Halex GT | 4.38 | L | 3.6 | pt/a | V2 | B | 99 | 0 | 99 | 99 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | | |
| 15 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 16 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 17 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V4 | C | | 13 | 94 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | | |
| | Status | 56 | WG | 10 | oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 18 | Halex GT | 4.38 | L | 3.6 | pt/a | V4 | C | | 1 | 99 | 99 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |

MSU Weed Science Research Program

| | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|
| Weed Code | ABUTH | | ANGR | CHEAL | AMAPO |
| Crop Code | | ZEAMX | | | |
| Rating Data Type | control | injury | control | control | control |
| Rating Unit | percent | percent | percent | percent | percent |
| Rating Date | Jun/05/2013 | Jun/12/2013 | Jun/12/2013 | Jun/12/2013 | Jun/12/2013 |
| Trt-Eval Interval | 11 DA-B | 7 DA-C | 7 DA-C | 7 DA-C | 7 DA-C |
| # Subsamples, Dec. | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Grow Stg | Appl Code | | | | | |
|-------------|------------------|-----------|-----------|------|---------|----------|-----------|------|-------|------|------|-----|
| 19 | Durango | 4 | SL | 32 | fl oz/a | V4 | C | 0 | 99 | 96 | 99 | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 20 | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | 0 | 99 | 98 | 99 | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 21 | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | 0 | 99 | 99 | 99 | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 22 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V4 | C | 21 | 99 | 99 | 99 | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| LSD (P=.05) | | | | | | | | 2.9 | 3.4 | 1.5 | 2.8 | 0.0 |
| CV | | | | | | | | 2.22 | 97.14 | 1.13 | 2.09 | 0.0 |

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

MSU Weed Science Research Program

| Weed Code | | | | | | | AMBEL | | ANGR | CHEAL | AMAPO |
|--------------------|------------------|-----------|-----------|------|-----------|----------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | ZEAMX | | | |
| Rating Data Type | | | | | | | control | injury | control | control | control |
| Rating Unit | | | | | | | percent | percent | percent | percent | percent |
| Rating Date | | | | | | | Jun/12/2013 | Jun/19/2013 | Jun/19/2013 | Jun/19/2013 | Jun/19/2013 |
| Trt-Eval Interval | | | | | | | 7 DA-C | 14 DA-C | 14 DA-C | 14 DA-C | 14 DA-C |
| # Subsamples, Dec. | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | | | |
| 1 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 0 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 2 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 1 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 3 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 0 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 4 | Harness Xtra | 5.6 | L | 2 | qt/a | PRE | A | 99 | 3 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 99 | 0 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 6 | Lumax EX | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 0 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 7 | Verdict | 5.57 | L | 11 | fl oz/a | PRE | A | 98 | 0 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 8 | Untreated | | | | | | | 0 | 0 | 0 | 0 |
| 9 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 98 | 0 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | |
| 10 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 99 | 0 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V2 | B | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | |
| 11 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V2 | B | 99 | 0 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V2 | B | | | | |
| | Status | 56 | WG | 10 | oz/a | V2 | B | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V2 | B | 87 | 0 | 94 | 98 |
| | Clarity | 4 | L | 16 | fl oz/a | V2 | B | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | |
| 13 | Corvus | 2.63 | L | 5.6 | fl oz/a | V2 | B | 99 | 0 | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | |
| 14 | Halex GT | 4.38 | L | 3.6 | pt/a | V2 | B | 89 | 0 | 99 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V2 | B | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | | | |
| 15 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | 97 | 0 | 99 | 99 |
| | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 16 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | 99 | 0 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 17 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V4 | C | 99 | 0 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | | | |
| | Status | 56 | WG | 10 | oz/a | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |
| 18 | Halex GT | 4.38 | L | 3.6 | pt/a | V4 | C | 88 | 0 | 99 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V4 | C | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | |

MSU Weed Science Research Program

| | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|
| Weed Code | AMBEL | | ANGR | CHEAL | AMAPO |
| Crop Code | | ZEAMX | | | |
| Rating Data Type | control | injury | control | control | control |
| Rating Unit | percent | percent | percent | percent | percent |
| Rating Date | Jun/12/2013 | Jun/19/2013 | Jun/19/2013 | Jun/19/2013 | Jun/19/2013 |
| Trt-Eval Interval | 7 DA-C | 14 DA-C | 14 DA-C | 14 DA-C | 14 DA-C |
| # Subsamples, Dec. | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Grow Stg | Appl Code | AMBEL | ZEAMX | ANGR | CHEAL | AMAPO |
|-------------|------------------|-----------|-----------|------|---------|----------|-----------|-------|--------|------|-------|-------|
| 19 | Durango | 4 | SL | 32 | fl oz/a | V4 | C | 96 | 0 | 98 | 99 | 99 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 20 | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | 96 | 0 | 99 | 99 | 99 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 21 | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | 99 | 0 | 99 | 99 | 99 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 22 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V4 | C | 99 | 5 | 99 | 99 | 99 |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| LSD (P=.05) | | | | | | | | 3.7 | 1.1 | 1.9 | 0.6 | 0.2 |
| CV | | | | | | | | 2.8 | 180.89 | 1.4 | 0.45 | 0.11 |

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

MSU Weed Science Research Program

| Weed Code | | AMBEL | | ANGR | CHEAL | AMAPO | | | | | |
|--------------------|------------------|-------------|-------------|-------------|-------------|-------------|----|---|----|----|----|
| Crop Code | | | ZEAMX | | | | | | | | |
| Rating Data Type | | control | injury | control | control | control | | | | | |
| Rating Unit | | percent | percent | percent | percent | percent | | | | | |
| Rating Date | | Jun/19/2013 | Jul/03/2013 | Jul/03/2013 | Jul/03/2013 | Jul/03/2013 | | | | | |
| Trt-Eval Interval | | 14 DA-C | 28 DA-C | 28 DA-C | 28 DA-C | 28 DA-C | | | | | |
| # Subsamples, Dec. | | 0 | 0 | 0 | 0 | 0 | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate Unit | Grow Stg | Appl Code | | | | | |
| 1 | SureStart | 4.16 | L | 1.75 pt/a | PRE | A | 98 | 0 | 97 | 99 | 99 |
| | Durango | 4 | SL | 24 fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 2 | SureStart | 4.16 | L | 1.75 pt/a | PRE | A | 99 | 1 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 3 | SureStart | 4.16 | L | 1.75 pt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 4.67 pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 4 | Harness Xtra | 5.6 | L | 2 qt/a | PRE | A | 99 | 1 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | V4 | C | | | | | |
| | Clarity | 4 | L | 16 fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 5 | Corvus | 2.63 | L | 5.6 fl oz/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 6 | Lumax EX | 3.67 | L | 2.7 qt/a | PRE | A | 99 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 7 | Verdict | 5.57 | L | 11 fl oz/a | PRE | A | 98 | 0 | 98 | 98 | 98 |
| | Durango | 4 | SL | 24 fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 8 | Untreated | | | | | | 0 | 0 | 0 | 0 | 0 |
| 9 | SureStart | 4.16 | L | 2 pt/a | V2 | B | 98 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V2 | B | | | | | |
| 10 | SureStart | 4.16 | L | 2 pt/a | V2 | B | 99 | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 pt/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V2 | B | | | | | |
| 11 | Harness Xtra | 5.6 | L | 1.5 qt/a | V2 | B | 99 | 0 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | V2 | B | | | | | |
| | Status | 56 | WG | 10 oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V2 | B | | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 28 fl oz/a | V2 | B | 95 | 0 | 84 | 80 | 83 |
| | Clarity | 4 | L | 16 fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V2 | B | | | | | |
| 13 | Corvus | 2.63 | L | 5.6 fl oz/a | V2 | B | 99 | 1 | 99 | 99 | 99 |
| | Durango | 4 | SL | 24 fl oz/a | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V2 | B | | | | | |
| 14 | Halex GT | 4.38 | L | 3.6 pt/a | V2 | B | 94 | 0 | 99 | 99 | 99 |
| | Surfactant | | L | 0.25 % v/v | V2 | B | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V2 | B | | | | | |
| 15 | SureStart | 4.16 | L | 2 pt/a | V4 | C | 99 | 0 | 99 | 99 | 99 |
| | Durango | 4 | SL | 32 fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 16 | SureStart | 4.16 | L | 2 pt/a | V4 | C | 99 | 0 | 99 | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 pt/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 17 | Harness Xtra | 5.6 | L | 1.5 qt/a | V4 | C | 99 | 0 | 99 | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | V4 | C | | | | | |
| | Status | 56 | WG | 10 oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |
| 18 | Halex GT | 4.38 | L | 3.6 pt/a | V4 | C | 99 | 0 | 99 | 99 | 99 |
| | Surfactant | | L | 0.25 % v/v | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 % v/v | V4 | C | | | | | |

MSU Weed Science Research Program

| Weed Code | | | | | | | | AMBEL | | ANGR | CHEAL | AMAPO |
|--------------------|------------------|-----------|-----------|------|---------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | ZEAMX | | | |
| Rating Data Type | | | | | | | | control | injury | control | control | control |
| Rating Unit | | | | | | | | percent | percent | percent | percent | percent |
| Rating Date | | | | | | | | Jun/19/2013 | Jul/03/2013 | Jul/03/2013 | Jul/03/2013 | Jul/03/2013 |
| Trt-Eval Interval | | | | | | | | 14 DA-C | 28 DA-C | 28 DA-C | 28 DA-C | 28 DA-C |
| # Subsamples, Dec. | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Grow Stg | Appl Code | | | | | |
| 19 | Durango | 4 | SL | 32 | fl oz/a | V4 | C | 97 | 0 | 88 | 83 | 95 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 20 | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | 99 | 0 | 97 | 98 | 99 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 21 | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | 99 | 0 | 98 | 99 | 99 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| 22 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V4 | C | 99 | 4 | 95 | 99 | 99 |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | | | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | | | | |
| LSD (P=.05) | | | | | | | | 1.0 | 1.0 | 3.9 | 2.7 | 3.4 |
| CV | | | | | | | | 0.73 | 249.4 | 2.99 | 2.08 | 2.54 |

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

MSU Weed Science Research Program

| | | |
|--------------------|-------------|-------------|
| Weed Code | AMBEL | ABUTH |
| Crop Code | | |
| Rating Data Type | control | control |
| Rating Unit | percent | percent |
| Rating Date | Jul/03/2013 | Jul/03/2013 |
| Trt-Eval Interval | 28 DA-C | 28 DA-C |
| # Subsamples, Dec. | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Grow Stg | Appl Code | | |
|---------|------------------|-----------|-----------|------|-----------|----------|-----------|----|----|
| 1 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 94 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 2 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 3 | SureStart | 4.16 | L | 1.75 | pt/a | PRE | A | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 4 | Harness Xtra | 5.6 | L | 2 | qt/a | PRE | A | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 5 | Corvus | 2.63 | L | 5.6 | fl oz/a | PRE | A | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 6 | Lumax EX | 3.67 | L | 2.7 | qt/a | PRE | A | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 7 | Verdict | 5.57 | L | 11 | fl oz/a | PRE | A | 87 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 8 | Untreated | | | | | | | 0 | 0 |
| 9 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 94 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | |
| 10 | SureStart | 4.16 | L | 2 | pt/a | V2 | B | 97 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V2 | B | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | |
| 11 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V2 | B | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V2 | B | | |
| | Status | 56 | WG | 10 | oz/a | V2 | B | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | |
| 12 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V2 | B | 73 | 91 |
| | Clarity | 4 | L | 16 | fl oz/a | V2 | B | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | |
| 13 | Corvus | 2.63 | L | 5.6 | fl oz/a | V2 | B | 99 | 99 |
| | Durango | 4 | SL | 24 | fl oz/a | V2 | B | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | |
| 14 | Halex GT | 4.38 | L | 3.6 | pt/a | V2 | B | 87 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V2 | B | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V2 | B | | |
| 15 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | 99 | 99 |
| | Durango | 4 | SL | 32 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 16 | SureStart | 4.16 | L | 2 | pt/a | V4 | C | 99 | 99 |
| | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 17 | Harness Xtra | 5.6 | L | 1.5 | qt/a | V4 | C | 99 | 99 |
| | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | V4 | C | | |
| | Status | 56 | WG | 10 | oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 18 | Halex GT | 4.38 | L | 3.6 | pt/a | V4 | C | 99 | 99 |
| | Surfactant | | L | 0.25 | % v/v | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |

MSU Weed Science Research Program

| | | |
|--------------------|-------------|-------------|
| Weed Code | AMBEL | ABUTH |
| Crop Code | | |
| Rating Data Type | control | control |
| Rating Unit | percent | percent |
| Rating Date | Jul/03/2013 | Jul/03/2013 |
| Trt-Eval Interval | 28 DA-C | 28 DA-C |
| # Subsamples, Dec. | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Grow Stg | Appl Code | | |
|-------------|------------------|-----------|-----------|------|---------|----------|-----------|------|------|
| 19 | Durango | 4 | SL | 32 | fl oz/a | V4 | C | 80 | 95 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 20 | Enlist Duo | 3.33 | SL | 3.5 | pt/a | V4 | C | 96 | 98 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 21 | Enlist Duo | 3.33 | SL | 4.67 | pt/a | V4 | C | 99 | 99 |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| 22 | Roundup PowerMax | 4.5 | SL | 28 | fl oz/a | V4 | C | 99 | 99 |
| | Clarity | 4 | L | 16 | fl oz/a | V4 | C | | |
| | N-Pak AMS | | L | 2.5 | % v/v | V4 | C | | |
| LSD (P=.05) | | | | | | | | 5.7 | 2.5 |
| CV | | | | | | | | 4.43 | 1.87 |

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