

**Commercial programs for weed control in corn**

Trial ID: C01-21\_2 Study Dir.:  
 Conducted: Campus C-28 Investigator:

**Planting Date:** May-11-2021 **Row Spacing:** 30 IN  
**Variety:** P9880 AM **No. of Reps:** 4  
**Population:** 31500 S/A **% OM:** 2.9  
**Soil Type:** SL sandy loam **pH:** 5.9  
**Plot Size:** 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall chisel plowed: spring soil finished twice  
**Fertilizer:** 300 lbs/A urea incorporated  
 12 G/A 19-19-19 starter

**Crop and Weed Description**

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

**Application Description**

|                                       | A           | B          | C           |
|---------------------------------------|-------------|------------|-------------|
| <b>Application Timing:</b>            | PRE         | EPOS       | POST        |
| <b>Date Treated:</b>                  | May-12-2021 | Jun-2-2021 | Jun-15-2021 |
| <b>Time Treated:</b>                  | 9:34 AM     | 2:00 AM    | 8:28 AM     |
| <b>% Cloud Cover:</b>                 | 15          | 90         | 10          |
| <b>Air Temp., Unit:</b>               | 57 F        | 76.9 F     | 66 F        |
| <b>% Relative Humidity:</b>           | 37          | 49         | 72.2        |
| <b>Wind Speed/Unit/Dir:</b>           | 5.2 MPH NW  | 4.7 MPH SE | 5.3 MPH N   |
| <b>Soil Temp, Unit:</b>               | 54 F        | 80 F       | 71 F        |
| <b>Leaf Moist/Dew Presence (Y/N):</b> |             |            |             |
| <b>Soil Moist:</b>                    | 4           | 5          | 4           |

**Crop Stage at Each Application**

|                     | A     | B      | C     |
|---------------------|-------|--------|-------|
| <b>Crop 1 Name:</b> | ZEAMX | ZEAMX  | ZEAMX |
| <b>Height:</b>      | 5 IN  | 7.5 IN |       |
| <b>Stage:</b>       | V1-2  | V4-5   |       |

**Weed Stage at Each Application**

|                     | A     | B      | C     |
|---------------------|-------|--------|-------|
| <b>Weed 1 Name:</b> | ANGR  | ANGR   | ANGR  |
| <b>Height:</b>      | 1 IN  | 4 IN   |       |
| <b>Stage:</b>       | 3 L   | 8 L    |       |
| <b>Weed 2 Name:</b> | CHEAL | CHEAL  | CHEAL |
| <b>Height:</b>      | 1 IN  | 3.5 IN |       |
| <b>Stage:</b>       | 6 L   | 12 L   |       |
| <b>Weed 3 Name:</b> | AMAPO | AMAPO  | AMAPO |
| <b>Height:</b>      | 2 IN  | 3 IN   |       |
| <b>Stage:</b>       | 8 L   | 12 L   |       |
| <b>Weed 4 Name:</b> | AMBEL | AMBEL  | AMBEL |
| <b>Height:</b>      | 1 IN  | 4 IN   |       |
| <b>Stage:</b>       | 4 L   | 18 L   |       |
| <b>Weed 5 Name:</b> | ABUTH | ABUTH  | ABUTH |
| <b>Height:</b>      | 1 IN  | 3 IN   |       |
| <b>Stage:</b>       | 6 L   | 8 L    |       |

**Application Equipment**

| Appl | Sprayer Type | Ground Speed | Nozzle Type | Nozzle Size | Nozzle Height | Nozzle Spacing | Boom Width | Spray Volume | Carrier | Operation Pressure |
|------|--------------|--------------|-------------|-------------|---------------|----------------|------------|--------------|---------|--------------------|
| A    | BKPK         | 3 MPH        | AIXR        | 11003       | 22.0 "        | 20.0 "         | 100.0 "    | 19 GAL/AC    | WATER   | 32 PSI             |
| B    | BKPK         | 3 MPH        | AIXR        | 11003       | 24.0 "        | 20.0 "         | 100.0 "    | 19 GAL/AC    | WATER   | 32 PSI             |
| C    | BKPK         | 3 MPH        | AIXR        | 11003       | 24.0 "        | 20.0 "         | 100.0 "    | 19 GAL/AC    | WATER   | 32 PSI             |

**Comments:**

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           |             | ANGR           | CHEAL                | AMAPO           | AMBEL          |
|---------------------|-------------|----------------|----------------------|-----------------|----------------|
| Pest Name           |             | annual grasses | common lambsquarters | Powell amaranth | Common ragweed |
| Crop Type, Code     | ZEAMX       |                |                      |                 |                |
| Crop Name           | Corn        |                |                      |                 |                |
| Rating Date         | Jun-15-2021 | Jun-15-2021    | Jun-15-2021          | Jun-15-2021     | Jun-15-2021    |
| Rating Type         | Injury      | Control        | Control              | Control         | Control        |
| Rating Unit/Min/Max | %, 0, 100   | %, 0, 100      | %, 0, 100            | %, 0, 100       | %, 0, 100      |
| Trt-Eval Interval   | 0 DA-C      | 0 DA-C         | 0 DA-C               | 0 DA-C          | 0 DA-C         |

| Trt No. | Treatment Name     | Rate           | Unit | Appl Code |     |      |       |       |       |
|---------|--------------------|----------------|------|-----------|-----|------|-------|-------|-------|
| 1       | Armezon PRO        | 16 fl oz/a     |      | B         | 0.0 | 97.3 | 100.0 | 100.0 | 100.0 |
|         | 1 Roundup PowerMax | 32 fl oz/a     |      | B         |     |      |       |       |       |
|         | 1 Atrazine         | 1.1 lb/a       |      | B         |     |      |       |       |       |
|         | 1 Surfactant       | 0.25 % v/v     |      | B         |     |      |       |       |       |
|         | 1 AMS              | 8.5 lb/100 gal |      | B         |     |      |       |       |       |
| 2       | Status             | 3 oz/a         |      | B         | 0.0 | 96.5 | 100.0 | 100.0 | 100.0 |
|         | 2 Zidua SC         | 1.2 fl oz/a    |      | B         |     |      |       |       |       |
|         | 2 Atrazine         | 0.55 lb/a      |      | B         |     |      |       |       |       |
|         | 2 Roundup PowerMax | 32 fl oz/a     |      | B         |     |      |       |       |       |
|         | 2 Surfactant       | 0.25 % v/v     |      | B         |     |      |       |       |       |
|         | 2 AMS              | 8.5 lb/100 gal |      | B         |     |      |       |       |       |
| 3       | Status             | 5 oz/a         |      | B         | 0.0 | 99.0 | 100.0 | 99.5  | 99.0  |
|         | 3 Zidua SC         | 2 fl oz/a      |      | B         |     |      |       |       |       |
|         | 3 Atrazine         | 0.55 lb/a      |      | B         |     |      |       |       |       |
|         | 3 Roundup PowerMax | 32 fl oz/a     |      | B         |     |      |       |       |       |
|         | 3 Surfactant       | 0.25 % v/v     |      | B         |     |      |       |       |       |
|         | 3 AMS              | 8.5 lb/100 gal |      | B         |     |      |       |       |       |
| 4       | Harness Max        | 64 fl oz/a     |      | B         | 0.0 | 95.8 | 100.0 | 100.0 | 100.0 |
|         | 4 Atrazine         | 1.1 lb/a       |      | B         |     |      |       |       |       |
|         | 4 Roundup PowerMax | 22 fl oz/a     |      | B         |     |      |       |       |       |
|         | 4 AMS              | 8.5 lb/100 gal |      | B         |     |      |       |       |       |
| 5       | Degree Xtra        | 2 qt/a         |      | B         | 0.0 | 96.5 | 100.0 | 100.0 | 100.0 |
|         | 5 Laudis           | 3 fl oz/a      |      | B         |     |      |       |       |       |
|         | 5 Roundup PowerMax | 32 fl oz/a     |      | B         |     |      |       |       |       |
|         | 5 AMS              | 8.5 lb/100 gal |      | B         |     |      |       |       |       |
| 6       | Zidua SC           | 3.2 fl oz/a    |      | A         | 0.0 | 92.5 | 92.5  | 96.3  | 91.3  |
|         | 6 Sharpen          | 2 fl oz/a      |      | A         |     |      |       |       |       |
|         | 6 Atrazine         | 1.1 lb/a       |      | A         |     |      |       |       |       |
|         | 6 Roundup PowerMax | 32 fl oz/a     |      | C         |     |      |       |       |       |
|         | 6 AMS              | 8.5 lb/100 gal |      | C         |     |      |       |       |       |
| 7       | Zidua SC           | 3.2 fl oz/a    |      | A         | 0.0 | 92.5 | 95.0  | 93.8  | 91.3  |
|         | 7 Atrazine         | 1.1 lb/a       |      | A         |     |      |       |       |       |
|         | 7 Roundup PowerMax | 32 fl oz/a     |      | C         |     |      |       |       |       |
|         | 7 AMS              | 8.5 lb/100 gal |      | C         |     |      |       |       |       |
| 8       | Armezon PRO        | 16 fl oz/a     |      | A         | 0.0 | 86.3 | 87.5  | 100.0 | 95.3  |
|         | 8 Callisto         | 3 fl oz/a      |      | A         |     |      |       |       |       |
|         | 8 Atrazine         | 1.1 lb/a       |      | A         |     |      |       |       |       |
|         | 8 Roundup PowerMax | 32 fl oz/a     |      | C         |     |      |       |       |       |
|         | 8 AMS              | 8.5 lb/100 gal |      | C         |     |      |       |       |       |
| 9       | Verdict            | 12 fl oz/a     |      | A         | 0.0 | 87.5 | 91.3  | 99.0  | 92.5  |
|         | 9 Atrazine         | 1.1 lb/a       |      | A         |     |      |       |       |       |
|         | 9 Roundup PowerMax | 32 fl oz/a     |      | C         |     |      |       |       |       |
|         | 9 AMS              | 8.5 lb/100 gal |      | C         |     |      |       |       |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           |                      |                |             | ANGR           | CHEAL                | AMAPO           | AMBEL          |       |
|---------------------|----------------------|----------------|-------------|----------------|----------------------|-----------------|----------------|-------|
| Pest Name           |                      |                |             | annual grasses | common lambsquarters | Powell amaranth | Common ragweed |       |
| Crop Type, Code     |                      |                | ZEAMX       |                |                      |                 |                |       |
| Crop Name           |                      |                | Corn        |                |                      |                 |                |       |
| Rating Date         |                      |                | Jun-15-2021 | Jun-15-2021    | Jun-15-2021          | Jun-15-2021     | Jun-15-2021    |       |
| Rating Type         |                      |                | Injury      | Control        | Control              | Control         | Control        |       |
| Rating Unit/Min/Max |                      |                | %, 0, 100   | %, 0, 100      | %, 0, 100            | %, 0, 100       | %, 0, 100      |       |
| Trt-Eval Interval   |                      |                | 0 DA-C      | 0 DA-C         | 0 DA-C               | 0 DA-C          | 0 DA-C         |       |
| Trt No.             | Treatment Name       | Rate           | Appl Code   |                |                      |                 |                |       |
|                     |                      | Unit           |             |                |                      |                 |                |       |
| 10                  | Degree Xtra          | 2 qt/a         | A           | 0.0            | 93.8                 | 93.8            | 100.0          | 95.0  |
| 10                  | DiFlexx              | 8 fl oz/a      | C           |                |                      |                 |                |       |
| 10                  | Roundup PowerMax     | 22 fl oz/a     | C           |                |                      |                 |                |       |
| 10                  | AMS                  | 8.5 lb/100 gal | C           |                |                      |                 |                |       |
| 11                  | Balance Flexx        | 4 fl oz/a      | A           | 0.0            | 99.0                 | 99.5            | 100.0          | 100.0 |
| 11                  | Degree Xtra          | 2 qt/a         | A           |                |                      |                 |                |       |
| 11                  | Roundup PowerMax-IFN | 22 fl oz/a     | C           |                |                      |                 |                |       |
| 11                  | AMS-IFN              | 8.5 lb/100 gal | C           |                |                      |                 |                |       |
| 12                  | Keystone NXT         | 1.25 qt/a      | A           | 0.0            | 93.8                 | 91.3            | 99.0           | 91.3  |
| 12                  | SureStart II         | 2 pt/a         | A           |                |                      |                 |                |       |
| 12                  | Durango DMA          | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 12                  | AMS                  | 8.5 lb/100 gal | C           |                |                      |                 |                |       |
| 13                  | Untreated            |                |             | 0.0            | 0.0                  | 0.0             | 0.0            | 0.0   |
| 14                  | Resicore             | 2.5 qt/a       | A           | 0.0            | 95.0                 | 98.3            | 100.0          | 97.5  |
| 14                  | Atrazine             | 1.1 lb/a       | A           |                |                      |                 |                |       |
| 14                  | Durango DMA          | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 14                  | AMS                  | 8.5 lb/100 gal | C           |                |                      |                 |                |       |
| 15                  | Keystone NXT         | 1.25 qt/a      | A           | 0.0            | 91.3                 | 95.0            | 97.3           | 88.8  |
| 15                  | Realm Q              | 4 oz/a         | C           |                |                      |                 |                |       |
| 15                  | Durango DMA          | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 15                  | AMS                  | 8.5 lb/100 gal | C           |                |                      |                 |                |       |
| 15                  | Surfactant           | 0.25 % v/v     | C           |                |                      |                 |                |       |
| 16                  | Moccasin II Plus     | 1.3 pt/a       | A           | 0.0            | 78.8                 | 68.8            | 95.0           | 80.0  |
| 16                  | Resolve Q            | 1.25 oz/a      | A           |                |                      |                 |                |       |
| 16                  | Atrazine             | 0.55 lb/a      | C           |                |                      |                 |                |       |
| 16                  | Roundup PowerMax     | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 16                  | AMS                  | 17 lb/100 gal  | C           |                |                      |                 |                |       |
| 17                  | Tripzin ZC           | 29 fl oz/a     | A           | 0.0            | 78.8                 | 82.5            | 97.3           | 78.8  |
| 17                  | Resolve Q            | 1.25 oz/a      | C           |                |                      |                 |                |       |
| 17                  | Atrazine             | 0.55 lb/a      | C           |                |                      |                 |                |       |
| 17                  | Roundup PowerMax     | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 17                  | AMS                  | 17 lb/100 gal  | C           |                |                      |                 |                |       |
| 18                  | Resolve Q            | 1.25 oz/a      | A           | 0.0            | 76.3                 | 77.5            | 86.3           | 83.8  |
| 18                  | Atrazine             | 0.55 lb/a      | A           |                |                      |                 |                |       |
| 18                  | Roundup PowerMax     | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 18                  | Tripzin ZC           | 29 fl oz/a     | C           |                |                      |                 |                |       |
| 18                  | AMS                  | 17 lb/100 gal  | C           |                |                      |                 |                |       |
| 19                  | Maverick             | 1 qt/a         | A           | 0.0            | 85.0                 | 95.0            | 95.0           | 95.0  |
| 19                  | Roundup PowerMax     | 32 fl oz/a     | C           |                |                      |                 |                |       |
| 19                  | Induce               | 0.25 % v/v     | C           |                |                      |                 |                |       |
| 19                  | AMS                  | 8.5 lb/100 gal | C           |                |                      |                 |                |       |
| 20                  | Maverick             | 1 qt/a         | A           | 0.0            | 91.3                 | 96.3            | 99.0           | 99.0  |
| 20                  | Atrazine             | 0.825 lb/a     | A           |                |                      |                 |                |       |
| 20                  | Roundup PowerMax     | 1 qt/a         | C           |                |                      |                 |                |       |
| 20                  | Induce               | 0.25 % v/v     | C           |                |                      |                 |                |       |
| 20                  | AMS                  | 3 lb/a         | C           |                |                      |                 |                |       |

Missing data estimates are included in columns: Average=29,30

Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.

^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21-      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
    Sponsor Contact:

| Pest Code           |                    |                |             | ANGR           | CHEAL                | AMAPO           | AMBEL          |
|---------------------|--------------------|----------------|-------------|----------------|----------------------|-----------------|----------------|
| Pest Name           |                    |                |             | annual grasses | common lambsquarters | Powell amaranth | Common ragweed |
| Crop Type, Code     |                    |                | ZEAMX       |                |                      |                 |                |
| Crop Name           |                    |                | Corn        |                |                      |                 |                |
| Rating Date         |                    |                | Jun-15-2021 | Jun-15-2021    | Jun-15-2021          | Jun-15-2021     | Jun-15-2021    |
| Rating Type         |                    |                | Injury      | Control        | Control              | Control         | Control        |
| Rating Unit/Min/Max |                    |                | %, 0, 100   | %, 0, 100      | %, 0, 100            | %, 0, 100       | %, 0, 100      |
| Trt-Eval Interval   |                    |                | 0 DA-C      | 0 DA-C         | 0 DA-C               | 0 DA-C          | 0 DA-C         |
| Trt No.             | Treatment Name     | Rate           | Appl Code   |                |                      |                 |                |
|                     |                    | Rate Unit      |             |                |                      |                 |                |
| 21                  | Acuron             | 2.5 qt/a       | A           | 0.0            | 88.8                 | 95.3            | 99.0           |
| 22                  | Acuron             | 1.5 qt/a       | A           | 0.0            | 86.3                 | 88.8            | 97.5           |
| 22                  | Halex GT           | 3.6 pt/a       | C           |                |                      |                 |                |
| 22                  | Atrazine           | 0.55 lb/a      | C           |                |                      |                 |                |
| 22                  | Surfactant         | 0.25 % v/v     | C           |                |                      |                 |                |
| 22                  | AMS                | 8.5 lb/100 gal | C           |                |                      |                 |                |
| 23                  | Bicep II Magnum    | 1.3 qt/a       | A           | 0.0            | 91.3                 | 90.0            | 92.5           |
| 23                  | Halex GT           | 3.6 pt/a       | C           |                |                      |                 |                |
| 23                  | Atrazine           | 0.55 lb/a      | C           |                |                      |                 |                |
| 23                  | Surfactant         | 0.25 % v/v     | C           |                |                      |                 |                |
| 23                  | AMS                | 8.5 lb/100 gal | C           |                |                      |                 |                |
| 24                  | Acuron GT          | 3.75 pt/a      | B           | 0.0            | 70.0                 | 73.8            | 75.0           |
| 24                  | Surfactant         | 0.25 % v/v     | B           |                |                      |                 |                |
| 24                  | AMS                | 8.5 lb/100 gal | B           |                |                      |                 |                |
| 25                  | Katagon            | 3.2 fl oz/a    | B           | 0.0            | 81.3                 | 85.0            | 95.0           |
| 25                  | Atrazine           | 1.1 lb/a       | B           |                |                      |                 |                |
| 25                  | Destiny HC         | 1 % v/v        | B           |                |                      |                 |                |
| 26                  | Katagon            | 3.2 fl oz/a    | C           | 0.0            | 82.5                 | 83.8            | 93.8           |
| 26                  | Destiny HC         | 1 % v/v        | C           |                |                      |                 |                |
|                     | LSD P=.05          |                |             |                | 4.49                 | 4.95            | 3.41           |
|                     | Standard Deviation |                |             | 0.00           | 3.19                 | 3.51            | 2.42           |
|                     | CV                 |                |             | 0.0            | 3.72                 | 4.01            | 2.62           |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           | ABUTH       | ANGR           | CHEAL                | AMAPO           |
|---------------------|-------------|----------------|----------------------|-----------------|
| Pest Name           | velvetleaf  | annual grasses | common lambsquarters | Powell amaranth |
| Crop Type, Code     | ZEAMX       |                |                      |                 |
| Crop Name           | Corn        |                |                      |                 |
| Rating Date         | Jun-15-2021 | Jul-1-2021     | Jul-1-2021           | Jul-1-2021      |
| Rating Type         | Control     | Injury         | Control              | Control         |
| Rating Unit/Min/Max | %, 0, 100   | %, 0, 100      | %, 0, 100            | %, 0, 100       |
| Trt-Eval Interval   | 0 DA-C      | 16 DA-C        | 16 DA-C              | 16 DA-C         |

| Trt No. | Treatment Name   | Rate           | Unit | Appl Code |       |     |       |       |
|---------|------------------|----------------|------|-----------|-------|-----|-------|-------|
| 1       | Armezon PRO      | 16 fl oz/a     |      | B         | 100.0 | 0.0 | 95.8  | 100.0 |
| 1       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |     |       |       |
| 1       | Atrazine         | 1.1 lb/a       |      | B         |       |     |       |       |
| 1       | Surfactant       | 0.25 % v/v     |      | B         |       |     |       |       |
| 1       | AMS              | 8.5 lb/100 gal |      | B         |       |     |       |       |
| 2       | Status           | 3 oz/a         |      | B         | 100.0 | 0.0 | 96.5  | 100.0 |
| 2       | Zidua SC         | 1.2 fl oz/a    |      | B         |       |     |       |       |
| 2       | Atrazine         | 0.55 lb/a      |      | B         |       |     |       |       |
| 2       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |     |       |       |
| 2       | Surfactant       | 0.25 % v/v     |      | B         |       |     |       |       |
| 2       | AMS              | 8.5 lb/100 gal |      | B         |       |     |       |       |
| 3       | Status           | 5 oz/a         |      | B         | 99.5  | 0.0 | 98.0  | 99.5  |
| 3       | Zidua SC         | 2 fl oz/a      |      | B         |       |     |       |       |
| 3       | Atrazine         | 0.55 lb/a      |      | B         |       |     |       |       |
| 3       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |     |       |       |
| 3       | Surfactant       | 0.25 % v/v     |      | B         |       |     |       |       |
| 3       | AMS              | 8.5 lb/100 gal |      | B         |       |     |       |       |
| 4       | Harness Max      | 64 fl oz/a     |      | B         | 100.0 | 0.0 | 100.0 | 100.0 |
| 4       | Atrazine         | 1.1 lb/a       |      | B         |       |     |       |       |
| 4       | Roundup PowerMax | 22 fl oz/a     |      | B         |       |     |       |       |
| 4       | AMS              | 8.5 lb/100 gal |      | B         |       |     |       |       |
| 5       | Degree Xtra      | 2 qt/a         |      | B         | 100.0 | 0.0 | 92.5  | 100.0 |
| 5       | Laudis           | 3 fl oz/a      |      | B         |       |     |       |       |
| 5       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |     |       |       |
| 5       | AMS              | 8.5 lb/100 gal |      | B         |       |     |       |       |
| 6       | Zidua SC         | 3.2 fl oz/a    |      | A         | 95.0  | 0.0 | 100.0 | 100.0 |
| 6       | Sharpen          | 2 fl oz/a      |      | A         |       |     |       |       |
| 6       | Atrazine         | 1.1 lb/a       |      | A         |       |     |       |       |
| 6       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |     |       |       |
| 6       | AMS              | 8.5 lb/100 gal |      | C         |       |     |       |       |
| 7       | Zidua SC         | 3.2 fl oz/a    |      | A         | 95.0  | 0.0 | 100.0 | 100.0 |
| 7       | Atrazine         | 1.1 lb/a       |      | A         |       |     |       |       |
| 7       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |     |       |       |
| 7       | AMS              | 8.5 lb/100 gal |      | C         |       |     |       |       |
| 8       | Armezon PRO      | 16 fl oz/a     |      | A         | 100.0 | 0.0 | 99.0  | 100.0 |
| 8       | Callisto         | 3 fl oz/a      |      | A         |       |     |       |       |
| 8       | Atrazine         | 1.1 lb/a       |      | A         |       |     |       |       |
| 8       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |     |       |       |
| 8       | AMS              | 8.5 lb/100 gal |      | C         |       |     |       |       |
| 9       | Verdict          | 12 fl oz/a     |      | A         | 97.5  | 0.0 | 99.0  | 100.0 |
| 9       | Atrazine         | 1.1 lb/a       |      | A         |       |     |       |       |
| 9       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |     |       |       |
| 9       | AMS              | 8.5 lb/100 gal |      | C         |       |     |       |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           | ABUTH       | ANGR           | CHEAL                | AMAPO           |
|---------------------|-------------|----------------|----------------------|-----------------|
| Pest Name           | velvetleaf  | annual grasses | common lambsquarters | Powell amaranth |
| Crop Type, Code     | ZEAMX       |                |                      |                 |
| Crop Name           | Corn        |                |                      |                 |
| Rating Date         | Jun-15-2021 | Jul-1-2021     | Jul-1-2021           | Jul-1-2021      |
| Rating Type         | Control     | Injury         | Control              | Control         |
| Rating Unit/Min/Max | %, 0, 100   | %, 0, 100      | %, 0, 100            | %, 0, 100       |
| Trt-Eval Interval   | 0 DA-C      | 16 DA-C        | 16 DA-C              | 16 DA-C         |

| Trt No. | Treatment Name       | Rate           | Unit | Appl Code |      |      |       |       |       |
|---------|----------------------|----------------|------|-----------|------|------|-------|-------|-------|
| 10      | Degree Xtra          | 2 qt/a         |      | A         | 93.8 | 0.0  | 99.5  | 100.0 | 99.5  |
| 10      | DiFlexx              | 8 fl oz/a      |      | C         |      |      |       |       |       |
| 10      | Roundup PowerMax     | 22 fl oz/a     |      | C         |      |      |       |       |       |
| 10      | AMS                  | 8.5 lb/100 gal |      | C         |      |      |       |       |       |
| 11      | Balance Flexx        | 4 fl oz/a      |      | A         | 99.0 | 0.0  | 100.0 | 100.0 | 100.0 |
| 11      | Degree Xtra          | 2 qt/a         |      | A         |      |      |       |       |       |
| 11      | Roundup PowerMax-IFN | 22 fl oz/a     |      | C         |      |      |       |       |       |
| 11      | AMS-IFN              | 8.5 lb/100 gal |      | C         |      |      |       |       |       |
| 12      | Keystone NXT         | 1.25 qt/a      |      | A         | 92.5 | 0.0  | 99.0  | 100.0 | 100.0 |
| 12      | SureStart II         | 2 pt/a         |      | A         |      |      |       |       |       |
| 12      | Durango DMA          | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 12      | AMS                  | 8.5 lb/100 gal |      | C         |      |      |       |       |       |
| 13      | Untreated            |                |      |           | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   |
| 14      | Resicore             | 2.5 qt/a       |      | A         | 99.5 | 0.0  | 100.0 | 100.0 | 100.0 |
| 14      | Atrazine             | 1.1 lb/a       |      | A         |      |      |       |       |       |
| 14      | Durango DMA          | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 14      | AMS                  | 8.5 lb/100 gal |      | C         |      |      |       |       |       |
| 15      | Keystone NXT         | 1.25 qt/a      |      | A         | 95.8 | 0.0  | 100.0 | 100.0 | 100.0 |
| 15      | Realm Q              | 4 oz/a         |      | C         |      |      |       |       |       |
| 15      | Durango DMA          | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 15      | AMS                  | 8.5 lb/100 gal |      | C         |      |      |       |       |       |
| 15      | Surfactant           | 0.25 % v/v     |      | C         |      |      |       |       |       |
| 16      | Moccasin II Plus     | 1.3 pt/a       |      | A         | 90.0 | 0.0  | 95.8  | 97.0  | 100.0 |
| 16      | Resolve Q            | 1.25 oz/a      |      | A         |      |      |       |       |       |
| 16      | Atrazine             | 0.55 lb/a      |      | C         |      |      |       |       |       |
| 16      | Roundup PowerMax     | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 16      | AMS                  | 17 lb/100 gal  |      | C         |      |      |       |       |       |
| 17      | Tripzin ZC           | 29 fl oz/a     |      | A         | 92.5 | 0.0  | 99.0  | 100.0 | 100.0 |
| 17      | Resolve Q            | 1.25 oz/a      |      | C         |      |      |       |       |       |
| 17      | Atrazine             | 0.55 lb/a      |      | C         |      |      |       |       |       |
| 17      | Roundup PowerMax     | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 17      | AMS                  | 17 lb/100 gal  |      | C         |      |      |       |       |       |
| 18      | Resolve Q            | 1.25 oz/a      |      | A         | 83.8 | 11.3 | 93.8  | 95.8  | 100.0 |
| 18      | Atrazine             | 0.55 lb/a      |      | A         |      |      |       |       |       |
| 18      | Roundup PowerMax     | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 18      | Tripzin ZC           | 29 fl oz/a     |      | C         |      |      |       |       |       |
| 18      | AMS                  | 17 lb/100 gal  |      | C         |      |      |       |       |       |
| 19      | Maverick             | 1 qt/a         |      | A         | 95.0 | 0.0  | 100.0 | 100.0 | 100.0 |
| 19      | Roundup PowerMax     | 32 fl oz/a     |      | C         |      |      |       |       |       |
| 19      | Induce               | 0.25 % v/v     |      | C         |      |      |       |       |       |
| 19      | AMS                  | 8.5 lb/100 gal |      | C         |      |      |       |       |       |
| 20      | Maverick             | 1 qt/a         |      | A         | 99.0 | 0.0  | 98.5  | 100.0 | 100.0 |
| 20      | Atrazine             | 0.825 lb/a     |      | A         |      |      |       |       |       |
| 20      | Roundup PowerMax     | 1 qt/a         |      | C         |      |      |       |       |       |
| 20      | Induce               | 0.25 % v/v     |      | C         |      |      |       |       |       |
| 20      | AMS                  | 3 lb/a         |      | C         |      |      |       |       |       |

Missing data estimates are included in columns: Average=29,30

Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.

^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           | ABUTH       | ANGR           | CHEAL                | AMAPO           |
|---------------------|-------------|----------------|----------------------|-----------------|
| Pest Name           | velvetleaf  | annual grasses | common lambsquarters | Powell amaranth |
| Crop Type, Code     | ZEAMX       |                |                      |                 |
| Crop Name           | Corn        |                |                      |                 |
| Rating Date         | Jun-15-2021 | Jul-1-2021     | Jul-1-2021           | Jul-1-2021      |
| Rating Type         | Control     | Injury         | Control              | Control         |
| Rating Unit/Min/Max | %, 0, 100   | %, 0, 100      | %, 0, 100            | %, 0, 100       |
| Trt-Eval Interval   | 0 DA-C      | 16 DA-C        | 16 DA-C              | 16 DA-C         |

| Trt No.            | Treatment Name  | Rate | Unit       | Appl Code | ABUTH | ANGR   | CHEAL | AMAPO |       |
|--------------------|-----------------|------|------------|-----------|-------|--------|-------|-------|-------|
| 21                 | Acuron          | 2.5  | qt/a       | A         | 99.0  | 0.0    | 73.8  | 97.8  | 99.0  |
| 22                 | Acuron          | 1.5  | qt/a       | A         | 100.0 | 0.0    | 100.0 | 100.0 | 100.0 |
| 22                 | Halex GT        | 3.6  | pt/a       | C         |       |        |       |       |       |
| 22                 | Atrazine        | 0.55 | lb/a       | C         |       |        |       |       |       |
| 22                 | Surfactant      | 0.25 | % v/v      | C         |       |        |       |       |       |
| 22                 | AMS             | 8.5  | lb/100 gal | C         |       |        |       |       |       |
| 23                 | Bicep II Magnum | 1.3  | qt/a       | A         | 90.0  | 0.0    | 100.0 | 100.0 | 100.0 |
| 23                 | Halex GT        | 3.6  | pt/a       | C         |       |        |       |       |       |
| 23                 | Atrazine        | 0.55 | lb/a       | C         |       |        |       |       |       |
| 23                 | Surfactant      | 0.25 | % v/v      | C         |       |        |       |       |       |
| 23                 | AMS             | 8.5  | lb/100 gal | C         |       |        |       |       |       |
| 24                 | Acuron GT       | 3.75 | pt/a       | B         | 75.0  | 0.0    | 100.0 | 97.0  | 100.0 |
| 24                 | Surfactant      | 0.25 | % v/v      | B         |       |        |       |       |       |
| 24                 | AMS             | 8.5  | lb/100 gal | B         |       |        |       |       |       |
| 25                 | Katagon         | 3.2  | fl oz/a    | B         | 95.0  | 0.0    | 100.0 | 100.0 | 100.0 |
| 25                 | Atrazine        | 1.1  | lb/a       | B         |       |        |       |       |       |
| 25                 | Destiny HC      | 1    | % v/v      | B         |       |        |       |       |       |
| 26                 | Katagon         | 3.2  | fl oz/a    | C         | 92.5  | 0.0    | 100.0 | 100.0 | 100.0 |
| 26                 | Destiny HC      | 1    | % v/v      | C         |       |        |       |       |       |
| LSD P=.05          |                 |      |            |           | 3.61  | 0.69   | 1.89  | 1.24  | 0.51  |
| Standard Deviation |                 |      |            |           | 2.56  | 0.49   | 1.34  | 0.88  | 0.36  |
| CV                 |                 |      |            |           | 2.8   | 113.31 | 1.43  | 0.92  | 0.37  |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           | AMBEL          | ABUTH      |             | ANGR           | CHEAL                |
|---------------------|----------------|------------|-------------|----------------|----------------------|
| Pest Name           | Common ragweed | velvetleaf |             | annual grasses | common lambsquarters |
| Crop Type, Code     |                |            | ZEAMX       |                |                      |
| Crop Name           |                |            | Corn        |                |                      |
| Rating Date         | Jul-1-2021     | Jul-1-2021 | Jul-21-2021 | Jul-21-2021    | Jul-21-2021          |
| Rating Type         | Control        | Control    | Injury      | Control        | Control              |
| Rating Unit/Min/Max | %, 0, 100      | %, 0, 100  | %, 0, 100   | %, 0, 100      | %, 0, 100            |
| Trt-Eval Interval   | 16 DA-C        | 16 DA-C    | 36 DA-C     | 36 DA-C        | 36 DA-C              |

| Trt No. | Treatment Name   | Rate           | Unit | Appl Code |       |       |     |       |       |
|---------|------------------|----------------|------|-----------|-------|-------|-----|-------|-------|
| 1       | Armezon PRO      | 16 fl oz/a     | B    |           | 100.0 | 100.0 | 0.0 | 98.5  | 98.5  |
| 1       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |     |       |       |
| 1       | Atrazine         | 1.1 lb/a       | B    |           |       |       |     |       |       |
| 1       | Surfactant       | 0.25 % v/v     | B    |           |       |       |     |       |       |
| 1       | AMS              | 8.5 lb/100 gal | B    |           |       |       |     |       |       |
| 2       | Status           | 3 oz/a         | B    |           | 100.0 | 100.0 | 0.0 | 91.3  | 91.3  |
| 2       | Zidua SC         | 1.2 fl oz/a    | B    |           |       |       |     |       |       |
| 2       | Atrazine         | 0.55 lb/a      | B    |           |       |       |     |       |       |
| 2       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |     |       |       |
| 2       | Surfactant       | 0.25 % v/v     | B    |           |       |       |     |       |       |
| 2       | AMS              | 8.5 lb/100 gal | B    |           |       |       |     |       |       |
| 3       | Status           | 5 oz/a         | B    |           | 99.0  | 99.0  | 0.0 | 95.0  | 95.8  |
| 3       | Zidua SC         | 2 fl oz/a      | B    |           |       |       |     |       |       |
| 3       | Atrazine         | 0.55 lb/a      | B    |           |       |       |     |       |       |
| 3       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |     |       |       |
| 3       | Surfactant       | 0.25 % v/v     | B    |           |       |       |     |       |       |
| 3       | AMS              | 8.5 lb/100 gal | B    |           |       |       |     |       |       |
| 4       | Harness Max      | 64 fl oz/a     | B    |           | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 |
| 4       | Atrazine         | 1.1 lb/a       | B    |           |       |       |     |       |       |
| 4       | Roundup PowerMax | 22 fl oz/a     | B    |           |       |       |     |       |       |
| 4       | AMS              | 8.5 lb/100 gal | B    |           |       |       |     |       |       |
| 5       | Degree Xtra      | 2 qt/a         | B    |           | 100.0 | 100.0 | 0.0 | 81.3  | 100.0 |
| 5       | Laudis           | 3 fl oz/a      | B    |           |       |       |     |       |       |
| 5       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |     |       |       |
| 5       | AMS              | 8.5 lb/100 gal | B    |           |       |       |     |       |       |
| 6       | Zidua SC         | 3.2 fl oz/a    | A    |           | 100.0 | 100.0 | 0.0 | 98.5  | 100.0 |
| 6       | Sharpen          | 2 fl oz/a      | A    |           |       |       |     |       |       |
| 6       | Atrazine         | 1.1 lb/a       | A    |           |       |       |     |       |       |
| 6       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |     |       |       |
| 6       | AMS              | 8.5 lb/100 gal | C    |           |       |       |     |       |       |
| 7       | Zidua SC         | 3.2 fl oz/a    | A    |           | 100.0 | 100.0 | 0.0 | 98.5  | 100.0 |
| 7       | Atrazine         | 1.1 lb/a       | A    |           |       |       |     |       |       |
| 7       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |     |       |       |
| 7       | AMS              | 8.5 lb/100 gal | C    |           |       |       |     |       |       |
| 8       | Armezon PRO      | 16 fl oz/a     | A    |           | 100.0 | 100.0 | 0.0 | 98.0  | 100.0 |
| 8       | Callisto         | 3 fl oz/a      | A    |           |       |       |     |       |       |
| 8       | Atrazine         | 1.1 lb/a       | A    |           |       |       |     |       |       |
| 8       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |     |       |       |
| 8       | AMS              | 8.5 lb/100 gal | C    |           |       |       |     |       |       |
| 9       | Verdict          | 12 fl oz/a     | A    |           | 100.0 | 100.0 | 0.0 | 93.8  | 100.0 |
| 9       | Atrazine         | 1.1 lb/a       | A    |           |       |       |     |       |       |
| 9       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |     |       |       |
| 9       | AMS              | 8.5 lb/100 gal | C    |           |       |       |     |       |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.



# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           |                      |                | AMBEL          | ABUTH      |             | ANGR           | CHEAL                |       |
|---------------------|----------------------|----------------|----------------|------------|-------------|----------------|----------------------|-------|
| Pest Name           |                      |                | Common ragweed | velvetleaf |             | annual grasses | common lambsquarters |       |
| Crop Type, Code     |                      |                |                |            | ZEAMX       |                |                      |       |
| Crop Name           |                      |                |                |            | Corn        |                |                      |       |
| Rating Date         |                      |                | Jul-1-2021     | Jul-1-2021 | Jul-21-2021 | Jul-21-2021    | Jul-21-2021          |       |
| Rating Type         |                      |                | Control        | Control    | Injury      | Control        | Control              |       |
| Rating Unit/Min/Max |                      |                | %, 0, 100      | %, 0, 100  | %, 0, 100   | %, 0, 100      | %, 0, 100            |       |
| Trt-Eval Interval   |                      |                | 16 DA-C        | 16 DA-C    | 36 DA-C     | 36 DA-C        | 36 DA-C              |       |
| Trt No.             | Treatment Name       | Rate           |                |            |             |                |                      |       |
|                     |                      | Unit           |                |            |             |                |                      |       |
|                     |                      |                | Appl Code      |            |             |                |                      |       |
| 10                  | Degree Xtra          | 2 qt/a         | A              | 99.5       | 98.5        | 0.0            | 93.8                 | 100.0 |
| 10                  | DiFlexx              | 8 fl oz/a      | C              |            |             |                |                      |       |
| 10                  | Roundup PowerMax     | 22 fl oz/a     | C              |            |             |                |                      |       |
| 10                  | AMS                  | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 11                  | Balance Flexx        | 4 fl oz/a      | A              | 100.0      | 100.0       | 0.0            | 100.0                | 100.0 |
| 11                  | Degree Xtra          | 2 qt/a         | A              |            |             |                |                      |       |
| 11                  | Roundup PowerMax-IFN | 22 fl oz/a     | C              |            |             |                |                      |       |
| 11                  | AMS-IFN              | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 12                  | Keystone NXT         | 1.25 qt/a      | A              | 100.0      | 100.0       | 0.0            | 98.5                 | 100.0 |
| 12                  | SureStart II         | 2 pt/a         | A              |            |             |                |                      |       |
| 12                  | Durango DMA          | 32 fl oz/a     | C              |            |             |                |                      |       |
| 12                  | AMS                  | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 13                  | Untreated            |                |                | 0.0        | 0.0         | 0.0            | 0.0                  | 0.0   |
| 14                  | Resicore             | 2.5 qt/a       | A              | 100.0      | 100.0       | 0.0            | 98.5                 | 100.0 |
| 14                  | Atrazine             | 1.1 lb/a       | A              |            |             |                |                      |       |
| 14                  | Durango DMA          | 32 fl oz/a     | C              |            |             |                |                      |       |
| 14                  | AMS                  | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 15                  | Keystone NXT         | 1.25 qt/a      | A              | 100.0      | 100.0       | 0.0            | 100.0                | 100.0 |
| 15                  | Realm Q              | 4 oz/a         | C              |            |             |                |                      |       |
| 15                  | Durango DMA          | 32 fl oz/a     | C              |            |             |                |                      |       |
| 15                  | AMS                  | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 15                  | Surfactant           | 0.25 % v/v     | C              |            |             |                |                      |       |
| 16                  | Moccasin II Plus     | 1.3 pt/a       | A              | 100.0      | 100.0       | 0.0            | 98.5                 | 98.5  |
| 16                  | Resolve Q            | 1.25 oz/a      | A              |            |             |                |                      |       |
| 16                  | Atrazine             | 0.55 lb/a      | C              |            |             |                |                      |       |
| 16                  | Roundup PowerMax     | 32 fl oz/a     | C              |            |             |                |                      |       |
| 16                  | AMS                  | 17 lb/100 gal  | C              |            |             |                |                      |       |
| 17                  | Tripzin ZC           | 29 fl oz/a     | A              | 100.0      | 100.0       | 0.0            | 93.8                 | 100.0 |
| 17                  | Resolve Q            | 1.25 oz/a      | C              |            |             |                |                      |       |
| 17                  | Atrazine             | 0.55 lb/a      | C              |            |             |                |                      |       |
| 17                  | Roundup PowerMax     | 32 fl oz/a     | C              |            |             |                |                      |       |
| 17                  | AMS                  | 17 lb/100 gal  | C              |            |             |                |                      |       |
| 18                  | Resolve Q            | 1.25 oz/a      | A              | 100.0      | 100.0       | 0.0            | 91.3                 | 95.0  |
| 18                  | Atrazine             | 0.55 lb/a      | A              |            |             |                |                      |       |
| 18                  | Roundup PowerMax     | 32 fl oz/a     | C              |            |             |                |                      |       |
| 18                  | Tripzin ZC           | 29 fl oz/a     | C              |            |             |                |                      |       |
| 18                  | AMS                  | 17 lb/100 gal  | C              |            |             |                |                      |       |
| 19                  | Maverick             | 1 qt/a         | A              | 100.0      | 100.0       | 0.0            | 100.0                | 100.0 |
| 19                  | Roundup PowerMax     | 32 fl oz/a     | C              |            |             |                |                      |       |
| 19                  | Induce               | 0.25 % v/v     | C              |            |             |                |                      |       |
| 19                  | AMS                  | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 20                  | Maverick             | 1 qt/a         | A              | 100.0      | 100.0       | 0.0            | 99.0                 | 100.0 |
| 20                  | Atrazine             | 0.825 lb/a     | A              |            |             |                |                      |       |
| 20                  | Roundup PowerMax     | 1 qt/a         | C              |            |             |                |                      |       |
| 20                  | Induce               | 0.25 % v/v     | C              |            |             |                |                      |       |
| 20                  | AMS                  | 3 lb/a         | C              |            |             |                |                      |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21-      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           |                    |                | AMBEL          | ABUTH      |             | ANGR           | CHEAL                |       |
|---------------------|--------------------|----------------|----------------|------------|-------------|----------------|----------------------|-------|
| Pest Name           |                    |                | Common ragweed | velvetleaf |             | annual grasses | common lambsquarters |       |
| Crop Type, Code     |                    |                |                |            | ZEAMX       |                |                      |       |
| Crop Name           |                    |                |                |            | Corn        |                |                      |       |
| Rating Date         |                    |                | Jul-1-2021     | Jul-1-2021 | Jul-21-2021 | Jul-21-2021    | Jul-21-2021          |       |
| Rating Type         |                    |                | Control        | Control    | Injury      | Control        | Control              |       |
| Rating Unit/Min/Max |                    |                | %, 0, 100      | %, 0, 100  | %, 0, 100   | %, 0, 100      | %, 0, 100            |       |
| Trt-Eval Interval   |                    |                | 16 DA-C        | 16 DA-C    | 36 DA-C     | 36 DA-C        | 36 DA-C              |       |
| Trt No.             | Treatment Name     | Rate           |                |            |             |                |                      |       |
|                     |                    | Rate Unit      |                |            |             |                |                      |       |
|                     |                    |                | Appl Code      |            |             |                |                      |       |
| 21                  | Acuron             | 2.5 qt/a       | A              | 98.5       | 100.0       | 0.0            | 73.8                 | 100.0 |
| 22                  | Acuron             | 1.5 qt/a       | A              | 100.0      | 100.0       | 0.0            | 98.5                 | 100.0 |
| 22                  | Halex GT           | 3.6 pt/a       | C              |            |             |                |                      |       |
| 22                  | Atrazine           | 0.55 lb/a      | C              |            |             |                |                      |       |
| 22                  | Surfactant         | 0.25 % v/v     | C              |            |             |                |                      |       |
| 22                  | AMS                | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 23                  | Bicep II Magnum    | 1.3 qt/a       | A              | 100.0      | 100.0       | 0.0            | 99.0                 | 100.0 |
| 23                  | Halex GT           | 3.6 pt/a       | C              |            |             |                |                      |       |
| 23                  | Atrazine           | 0.55 lb/a      | C              |            |             |                |                      |       |
| 23                  | Surfactant         | 0.25 % v/v     | C              |            |             |                |                      |       |
| 23                  | AMS                | 8.5 lb/100 gal | C              |            |             |                |                      |       |
| 24                  | Acuron GT          | 3.75 pt/a      | B              | 100.0      | 100.0       | 0.0            | 100.0                | 100.0 |
| 24                  | Surfactant         | 0.25 % v/v     | B              |            |             |                |                      |       |
| 24                  | AMS                | 8.5 lb/100 gal | B              |            |             |                |                      |       |
| 25                  | Katagon            | 3.2 fl oz/a    | B              | 100.0      | 100.0       | 0.0            | 99.5                 | 88.8  |
| 25                  | Atrazine           | 1.1 lb/a       | B              |            |             |                |                      |       |
| 25                  | Destiny HC         | 1 % v/v        | B              |            |             |                |                      |       |
| 26                  | Katagon            | 3.2 fl oz/a    | C              | 100.0      | 100.0       | 0.0            | 95.8                 | 95.8  |
| 26                  | Destiny HC         | 1 % v/v        | C              |            |             |                |                      |       |
|                     | LSD P=.05          |                |                | 0.51       | 0.43        | .              | 2.38                 | 1.15  |
|                     | Standard Deviation |                |                | 0.36       | 0.30        | 0.00           | 1.69                 | 0.82  |
|                     | CV                 |                |                | 0.38       | 0.32        | 0.0            | 1.84                 | 0.86  |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21-      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           | AMAPO           | AMBEL          | ABUTH       | ANGR           |             |
|---------------------|-----------------|----------------|-------------|----------------|-------------|
| Pest Name           | Powell amaranth | Common ragweed | velvetleaf  | annual grasses |             |
| Crop Type, Code     |                 |                |             | ZEAMX          |             |
| Crop Name           |                 |                |             | Corn           |             |
| Rating Date         | Jul-21-2021     | Jul-21-2021    | Jul-21-2021 | Aug-10-2021    | Aug-10-2021 |
| Rating Type         | Control         | Control        | Control     | Injury         | Control     |
| Rating Unit/Min/Max | % , 0, 100      | % , 0, 100     | % , 0, 100  | % , 0, 100     | % , 0, 100  |
| Trt-Eval Interval   | 36 DA-C         | 36 DA-C        | 36 DA-C     | 56 DA-C        | 56 DA-C     |

| Trt No. | Treatment Name   | Rate           | Unit | Appl Code | AMAPO | AMBEL | ABUTH | ZEAMX | ANGR  |
|---------|------------------|----------------|------|-----------|-------|-------|-------|-------|-------|
| 1       | Armezon PRO      | 16 fl oz/a     |      | B         | 100.0 | 100.0 | 100.0 | 0.0   | 98.0  |
| 1       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |       |       |
| 1       | Atrazine         | 1.1 lb/a       |      | B         |       |       |       |       |       |
| 1       | Surfactant       | 0.25 % v/v     |      | B         |       |       |       |       |       |
| 1       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |       |       |
| 2       | Status           | 3 oz/a         |      | B         | 100.0 | 95.8  | 100.0 | 0.0   | 90.0  |
| 2       | Zidua SC         | 1.2 fl oz/a    |      | B         |       |       |       |       |       |
| 2       | Atrazine         | 0.55 lb/a      |      | B         |       |       |       |       |       |
| 2       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |       |       |
| 2       | Surfactant       | 0.25 % v/v     |      | B         |       |       |       |       |       |
| 2       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |       |       |
| 3       | Status           | 5 oz/a         |      | B         | 100.0 | 97.3  | 95.0  | 0.0   | 95.0  |
| 3       | Zidua SC         | 2 fl oz/a      |      | B         |       |       |       |       |       |
| 3       | Atrazine         | 0.55 lb/a      |      | B         |       |       |       |       |       |
| 3       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |       |       |
| 3       | Surfactant       | 0.25 % v/v     |      | B         |       |       |       |       |       |
| 3       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |       |       |
| 4       | Harness Max      | 64 fl oz/a     |      | B         | 100.0 | 100.0 | 100.0 | 0.0   | 100.0 |
| 4       | Atrazine         | 1.1 lb/a       |      | B         |       |       |       |       |       |
| 4       | Roundup PowerMax | 22 fl oz/a     |      | B         |       |       |       |       |       |
| 4       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |       |       |
| 5       | Degree Xtra      | 2 qt/a         |      | B         | 100.0 | 100.0 | 100.0 | 0.0   | 81.3  |
| 5       | Laudis           | 3 fl oz/a      |      | B         |       |       |       |       |       |
| 5       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |       |       |
| 5       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |       |       |
| 6       | Zidua SC         | 3.2 fl oz/a    |      | A         | 100.0 | 99.5  | 100.0 | 0.0   | 98.0  |
| 6       | Sharpen          | 2 fl oz/a      |      | A         |       |       |       |       |       |
| 6       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |       |       |
| 6       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |       |       |
| 6       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |       |       |
| 7       | Zidua SC         | 3.2 fl oz/a    |      | A         | 100.0 | 99.0  | 100.0 | 0.0   | 98.5  |
| 7       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |       |       |
| 7       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |       |       |
| 7       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |       |       |
| 8       | Armezon PRO      | 16 fl oz/a     |      | A         | 100.0 | 99.0  | 100.0 | 0.0   | 98.0  |
| 8       | Callisto         | 3 fl oz/a      |      | A         |       |       |       |       |       |
| 8       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |       |       |
| 8       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |       |       |
| 8       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |       |       |
| 9       | Verdict          | 12 fl oz/a     |      | A         | 100.0 | 100.0 | 100.0 | 0.0   | 92.5  |
| 9       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |       |       |
| 9       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |       |       |
| 9       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |       |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21-      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           |                      |                | AMAPO           | AMBEL          | ABUTH       |             | ANGR           |     |       |
|---------------------|----------------------|----------------|-----------------|----------------|-------------|-------------|----------------|-----|-------|
| Pest Name           |                      |                | Powell amaranth | Common ragweed | velvetleaf  |             | annual grasses |     |       |
| Crop Type, Code     |                      |                |                 |                |             | ZEAMX       |                |     |       |
| Crop Name           |                      |                |                 |                |             | Corn        |                |     |       |
| Rating Date         |                      |                | Jul-21-2021     | Jul-21-2021    | Jul-21-2021 | Aug-10-2021 | Aug-10-2021    |     |       |
| Rating Type         |                      |                | Control         | Control        | Control     | Injury      | Control        |     |       |
| Rating Unit/Min/Max |                      |                | %, 0, 100       | %, 0, 100      | %, 0, 100   | %, 0, 100   | %, 0, 100      |     |       |
| Trt-Eval Interval   |                      |                | 36 DA-C         | 36 DA-C        | 36 DA-C     | 56 DA-C     | 56 DA-C        |     |       |
| Trt No.             | Treatment Name       | Rate           | Unit            | Appl Code      |             |             |                |     |       |
| 10                  | Degree Xtra          | 2 qt/a         |                 | A              | 100.0       | 100.0       | 99.0           | 0.0 | 92.5  |
| 10                  | DiFlexx              | 8 fl oz/a      |                 | C              |             |             |                |     |       |
| 10                  | Roundup PowerMax     | 22 fl oz/a     |                 | C              |             |             |                |     |       |
| 10                  | AMS                  | 8.5 lb/100 gal |                 | C              |             |             |                |     |       |
| 11                  | Balance Flexx        | 4 fl oz/a      |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 100.0 |
| 11                  | Degree Xtra          | 2 qt/a         |                 | A              |             |             |                |     |       |
| 11                  | Roundup PowerMax-IFN | 22 fl oz/a     |                 | C              |             |             |                |     |       |
| 11                  | AMS-IFN              | 8.5 lb/100 gal |                 | C              |             |             |                |     |       |
| 12                  | Keystone NXT         | 1.25 qt/a      |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 98.5  |
| 12                  | SureStart II         | 2 pt/a         |                 | A              |             |             |                |     |       |
| 12                  | Durango DMA          | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 12                  | AMS                  | 8.5 lb/100 gal |                 | C              |             |             |                |     |       |
| 13                  | Untreated            |                |                 |                | 0.0         | 0.0         | 0.0            | 0.0 | 0.0   |
| 14                  | Resicore             | 2.5 qt/a       |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 98.5  |
| 14                  | Atrazine             | 1.1 lb/a       |                 | A              |             |             |                |     |       |
| 14                  | Durango DMA          | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 14                  | AMS                  | 8.5 lb/100 gal |                 | C              |             |             |                |     |       |
| 15                  | Keystone NXT         | 1.25 qt/a      |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 100.0 |
| 15                  | Realm Q              | 4 oz/a         |                 | C              |             |             |                |     |       |
| 15                  | Durango DMA          | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 15                  | AMS                  | 8.5 lb/100 gal |                 | C              |             |             |                |     |       |
| 15                  | Surfactant           | 0.25 % v/v     |                 | C              |             |             |                |     |       |
| 16                  | Moccasin II Plus     | 1.3 pt/a       |                 | A              | 100.0       | 100.0       | 98.5           | 0.0 | 98.0  |
| 16                  | Resolve Q            | 1.25 oz/a      |                 | A              |             |             |                |     |       |
| 16                  | Atrazine             | 0.55 lb/a      |                 | C              |             |             |                |     |       |
| 16                  | Roundup PowerMax     | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 16                  | AMS                  | 17 lb/100 gal  |                 | C              |             |             |                |     |       |
| 17                  | Tripzin ZC           | 29 fl oz/a     |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 92.5  |
| 17                  | Resolve Q            | 1.25 oz/a      |                 | C              |             |             |                |     |       |
| 17                  | Atrazine             | 0.55 lb/a      |                 | C              |             |             |                |     |       |
| 17                  | Roundup PowerMax     | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 17                  | AMS                  | 17 lb/100 gal  |                 | C              |             |             |                |     |       |
| 18                  | Resolve Q            | 1.25 oz/a      |                 | A              | 95.8        | 95.8        | 95.0           | 0.0 | 91.3  |
| 18                  | Atrazine             | 0.55 lb/a      |                 | A              |             |             |                |     |       |
| 18                  | Roundup PowerMax     | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 18                  | Tripzin ZC           | 29 fl oz/a     |                 | C              |             |             |                |     |       |
| 18                  | AMS                  | 17 lb/100 gal  |                 | C              |             |             |                |     |       |
| 19                  | Maverick             | 1 qt/a         |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 100.0 |
| 19                  | Roundup PowerMax     | 32 fl oz/a     |                 | C              |             |             |                |     |       |
| 19                  | Induce               | 0.25 % v/v     |                 | C              |             |             |                |     |       |
| 19                  | AMS                  | 8.5 lb/100 gal |                 | C              |             |             |                |     |       |
| 20                  | Maverick             | 1 qt/a         |                 | A              | 100.0       | 100.0       | 100.0          | 0.0 | 98.5  |
| 20                  | Atrazine             | 0.825 lb/a     |                 | A              |             |             |                |     |       |
| 20                  | Roundup PowerMax     | 1 qt/a         |                 | C              |             |             |                |     |       |
| 20                  | Induce               | 0.25 % v/v     |                 | C              |             |             |                |     |       |
| 20                  | AMS                  | 3 lb/a         |                 | C              |             |             |                |     |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2      Location: Campus C-28      Trial Year: 2021  
 Protocol ID: C01-21      Investigator (Creator): Erin Burns  
 Project ID:      Study Director:  
                                  Sponsor Contact:

| Pest Code           |                    |                | AMAPO           | AMBEL          | ABUTH       |             | ANGR           |
|---------------------|--------------------|----------------|-----------------|----------------|-------------|-------------|----------------|
| Pest Name           |                    |                | Powell amaranth | Common ragweed | velvetleaf  |             | annual grasses |
| Crop Type, Code     |                    |                |                 |                |             | ZEAMX       |                |
| Crop Name           |                    |                |                 |                |             | Corn        |                |
| Rating Date         |                    |                | Jul-21-2021     | Jul-21-2021    | Jul-21-2021 | Aug-10-2021 | Aug-10-2021    |
| Rating Type         |                    |                | Control         | Control        | Control     | Injury      | Control        |
| Rating Unit/Min/Max |                    |                | %, 0, 100       | %, 0, 100      | %, 0, 100   | %, 0, 100   | %, 0, 100      |
| Trt-Eval Interval   |                    |                | 36 DA-C         | 36 DA-C        | 36 DA-C     | 56 DA-C     | 56 DA-C        |
| Trt No.             | Treatment Name     | Rate           | Appl Code       |                |             |             |                |
|                     |                    | Rate Unit      |                 |                |             |             |                |
| 21                  | Acuron             | 2.5 qt/a       | A               | 97.8           | 100.0       | 100.0       | 0.0            |
|                     |                    |                |                 |                |             |             | 72.5           |
| 22                  | Acuron             | 1.5 qt/a       | A               | 100.0          | 98.5        | 99.5        | 0.0            |
|                     | 22 Halex GT        | 3.6 pt/a       | C               |                |             |             |                |
|                     | 22 Atrazine        | 0.55 lb/a      | C               |                |             |             |                |
|                     | 22 Surfactant      | 0.25 % v/v     | C               |                |             |             |                |
|                     | 22 AMS             | 8.5 lb/100 gal | C               |                |             |             |                |
| 23                  | Bicep II Magnum    | 1.3 qt/a       | A               | 100.0          | 100.0       | 100.0       | 0.0            |
|                     | 23 Halex GT        | 3.6 pt/a       | C               |                |             |             |                |
|                     | 23 Atrazine        | 0.55 lb/a      | C               |                |             |             |                |
|                     | 23 Surfactant      | 0.25 % v/v     | C               |                |             |             |                |
|                     | 23 AMS             | 8.5 lb/100 gal | C               |                |             |             |                |
| 24                  | Acuron GT          | 3.75 pt/a      | B               | 100.0          | 100.0       | 100.0       | 0.0            |
|                     | 24 Surfactant      | 0.25 % v/v     | B               |                |             |             |                |
|                     | 24 AMS             | 8.5 lb/100 gal | B               |                |             |             |                |
| 25                  | Katagon            | 3.2 fl oz/a    | B               | 100.0          | 100.0       | 100.0       | 0.0            |
|                     | 25 Atrazine        | 1.1 lb/a       | B               |                |             |             |                |
|                     | 25 Destiny HC      | 1 % v/v        | B               |                |             |             |                |
| 26                  | Katagon            | 3.2 fl oz/a    | C               | 100.0          | 100.0       | 100.0       | 0.0            |
|                     | 26 Destiny HC      | 1 % v/v        | C               |                |             |             |                |
|                     | LSD P=.05          |                |                 | 0.69           | 0.88        | 0.50        | .              |
|                     | Standard Deviation |                |                 | 0.49           | 0.63        | 0.36        | 0.00           |
|                     | CV                 |                |                 | 0.51           | 0.66        | 0.37        | 0.0            |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           | CHEAL                | AMAPO           | AMBEL          | ABUTH       |              |
|---------------------|----------------------|-----------------|----------------|-------------|--------------|
| Pest Name           | common lambsquarters | Powell amaranth | Common ragweed | velvetleaf  |              |
| Crop Type, Code     |                      |                 |                |             | ZEAMX        |
| Crop Name           |                      |                 |                |             | Corn         |
| Rating Date         | Aug-10-2021          | Aug-10-2021     | Aug-10-2021    | Aug-10-2021 | Oct-22-2021  |
| Rating Type         | Control              | Control         | Control        | Control     | Test weight  |
| Rating Unit/Min/Max | %, 0, 100            | %, 0, 100       | %, 0, 100      | %, 0, 100   | lbs/bu, -, - |
| Trt-Eval Interval   | 56 DA-C              | 56 DA-C         | 56 DA-C        | 56 DA-C     | 129 DA-C     |

| Trt No. | Treatment Name   | Rate           | Unit | Appl Code |       |       |       |       |       |
|---------|------------------|----------------|------|-----------|-------|-------|-------|-------|-------|
| 1       | Armezon PRO      | 16 fl oz/a     | B    |           | 98.0  | 100.0 | 100.0 | 99.5  | 55.70 |
| 1       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |       |       |       |
| 1       | Atrazine         | 1.1 lb/a       | B    |           |       |       |       |       |       |
| 1       | Surfactant       | 0.25 % v/v     | B    |           |       |       |       |       |       |
| 1       | AMS              | 8.5 lb/100 gal | B    |           |       |       |       |       |       |
| 2       | Status           | 3 oz/a         | B    |           | 90.0  | 100.0 | 95.8  | 99.5  | 64.28 |
| 2       | Zidua SC         | 1.2 fl oz/a    | B    |           |       |       |       |       |       |
| 2       | Atrazine         | 0.55 lb/a      | B    |           |       |       |       |       |       |
| 2       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |       |       |       |
| 2       | Surfactant       | 0.25 % v/v     | B    |           |       |       |       |       |       |
| 2       | AMS              | 8.5 lb/100 gal | B    |           |       |       |       |       |       |
| 3       | Status           | 5 oz/a         | B    |           | 95.8  | 100.0 | 97.3  | 95.0  | 55.45 |
| 3       | Zidua SC         | 2 fl oz/a      | B    |           |       |       |       |       |       |
| 3       | Atrazine         | 0.55 lb/a      | B    |           |       |       |       |       |       |
| 3       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |       |       |       |
| 3       | Surfactant       | 0.25 % v/v     | B    |           |       |       |       |       |       |
| 3       | AMS              | 8.5 lb/100 gal | B    |           |       |       |       |       |       |
| 4       | Harness Max      | 64 fl oz/a     | B    |           | 100.0 | 100.0 | 100.0 | 100.0 | 56.33 |
| 4       | Atrazine         | 1.1 lb/a       | B    |           |       |       |       |       |       |
| 4       | Roundup PowerMax | 22 fl oz/a     | B    |           |       |       |       |       |       |
| 4       | AMS              | 8.5 lb/100 gal | B    |           |       |       |       |       |       |
| 5       | Degree Xtra      | 2 qt/a         | B    |           | 100.0 | 100.0 | 100.0 | 99.5  | 55.83 |
| 5       | Laudis           | 3 fl oz/a      | B    |           |       |       |       |       |       |
| 5       | Roundup PowerMax | 32 fl oz/a     | B    |           |       |       |       |       |       |
| 5       | AMS              | 8.5 lb/100 gal | B    |           |       |       |       |       |       |
| 6       | Zidua SC         | 3.2 fl oz/a    | A    |           | 100.0 | 100.0 | 99.5  | 99.5  | 55.80 |
| 6       | Sharpen          | 2 fl oz/a      | A    |           |       |       |       |       |       |
| 6       | Atrazine         | 1.1 lb/a       | A    |           |       |       |       |       |       |
| 6       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |       |       |       |
| 6       | AMS              | 8.5 lb/100 gal | C    |           |       |       |       |       |       |
| 7       | Zidua SC         | 3.2 fl oz/a    | A    |           | 100.0 | 100.0 | 99.0  | 100.0 | 55.58 |
| 7       | Atrazine         | 1.1 lb/a       | A    |           |       |       |       |       |       |
| 7       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |       |       |       |
| 7       | AMS              | 8.5 lb/100 gal | C    |           |       |       |       |       |       |
| 8       | Armezon PRO      | 16 fl oz/a     | A    |           | 100.0 | 100.0 | 99.0  | 99.5  | 55.68 |
| 8       | Callisto         | 3 fl oz/a      | A    |           |       |       |       |       |       |
| 8       | Atrazine         | 1.1 lb/a       | A    |           |       |       |       |       |       |
| 8       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |       |       |       |
| 8       | AMS              | 8.5 lb/100 gal | C    |           |       |       |       |       |       |
| 9       | Verdict          | 12 fl oz/a     | A    |           | 100.0 | 100.0 | 100.0 | 100.0 | 63.20 |
| 9       | Atrazine         | 1.1 lb/a       | A    |           |       |       |       |       |       |
| 9       | Roundup PowerMax | 32 fl oz/a     | C    |           |       |       |       |       |       |
| 9       | AMS              | 8.5 lb/100 gal | C    |           |       |       |       |       |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           |                      | CHEAL                | AMAPO           | AMBEL          | ABUTH       |              |
|---------------------|----------------------|----------------------|-----------------|----------------|-------------|--------------|
| Pest Name           |                      | common lambsquarters | Powell amaranth | Common ragweed | velvetleaf  |              |
| Crop Type, Code     |                      |                      |                 |                |             | ZEAMX        |
| Crop Name           |                      |                      |                 |                |             | Corn         |
| Rating Date         |                      | Aug-10-2021          | Aug-10-2021     | Aug-10-2021    | Aug-10-2021 | Oct-22-2021  |
| Rating Type         |                      | Control              | Control         | Control        | Control     | Test weight  |
| Rating Unit/Min/Max |                      | %, 0, 100            | %, 0, 100       | %, 0, 100      | %, 0, 100   | lbs/bu, -, - |
| Trt-Eval Interval   |                      | 56 DA-C              | 56 DA-C         | 56 DA-C        | 56 DA-C     | 129 DA-C     |
| Trt No.             | Treatment Name       | Rate                 | Unit            | Appl Code      |             |              |
| 10                  | Degree Xtra          | 2 qt/a               | A               |                | 100.0       | 100.0        |
| 10                  | DiFlexx              | 8 fl oz/a            | C               |                |             | 100.0        |
| 10                  | Roundup PowerMax     | 22 fl oz/a           | C               |                |             | 100.0        |
| 10                  | AMS                  | 8.5 lb/100 gal       | C               |                |             | 98.5         |
|                     |                      |                      |                 |                |             | 56.10        |
| 11                  | Balance Flexx        | 4 fl oz/a            | A               |                | 100.0       | 100.0        |
| 11                  | Degree Xtra          | 2 qt/a               | A               |                |             | 100.0        |
| 11                  | Roundup PowerMax-IFN | 22 fl oz/a           | C               |                |             | 100.0        |
| 11                  | AMS-IFN              | 8.5 lb/100 gal       | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 55.95        |
| 12                  | Keystone NXT         | 1.25 qt/a            | A               |                | 100.0       | 100.0        |
| 12                  | SureStart II         | 2 pt/a               | A               |                |             | 100.0        |
| 12                  | Durango DMA          | 32 fl oz/a           | C               |                |             | 100.0        |
| 12                  | AMS                  | 8.5 lb/100 gal       | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 56.00        |
| 13                  | Untreated            |                      |                 |                | 0.0         | 0.0          |
|                     |                      |                      |                 |                |             | 0.0          |
|                     |                      |                      |                 |                |             | 55.90        |
| 14                  | Resicore             | 2.5 qt/a             | A               |                | 100.0       | 100.0        |
| 14                  | Atrazine             | 1.1 lb/a             | A               |                |             | 100.0        |
| 14                  | Durango DMA          | 32 fl oz/a           | C               |                |             | 100.0        |
| 14                  | AMS                  | 8.5 lb/100 gal       | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 55.45        |
| 15                  | Keystone NXT         | 1.25 qt/a            | A               |                | 100.0       | 100.0        |
| 15                  | Realm Q              | 4 oz/a               | C               |                |             | 100.0        |
| 15                  | Durango DMA          | 32 fl oz/a           | C               |                |             | 100.0        |
| 15                  | AMS                  | 8.5 lb/100 gal       | C               |                |             | 100.0        |
| 15                  | Surfactant           | 0.25 % v/v           | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 56.18        |
| 16                  | Moccasin II Plus     | 1.3 pt/a             | A               |                | 98.5        | 100.0        |
| 16                  | Resolve Q            | 1.25 oz/a            | A               |                |             | 100.0        |
| 16                  | Atrazine             | 0.55 lb/a            | C               |                |             | 100.0        |
| 16                  | Roundup PowerMax     | 32 fl oz/a           | C               |                |             | 100.0        |
| 16                  | AMS                  | 17 lb/100 gal        | C               |                |             | 98.5         |
|                     |                      |                      |                 |                |             | 55.90        |
| 17                  | Tripzin ZC           | 29 fl oz/a           | A               |                | 100.0       | 100.0        |
| 17                  | Resolve Q            | 1.25 oz/a            | C               |                |             | 100.0        |
| 17                  | Atrazine             | 0.55 lb/a            | C               |                |             | 100.0        |
| 17                  | Roundup PowerMax     | 32 fl oz/a           | C               |                |             | 100.0        |
| 17                  | AMS                  | 17 lb/100 gal        | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 56.50        |
| 18                  | Resolve Q            | 1.25 oz/a            | A               |                | 93.8        | 95.8         |
| 18                  | Atrazine             | 0.55 lb/a            | A               |                |             | 94.5         |
| 18                  | Roundup PowerMax     | 32 fl oz/a           | C               |                |             | 93.8         |
| 18                  | Tripzin ZC           | 29 fl oz/a           | C               |                |             | 93.8         |
| 18                  | AMS                  | 17 lb/100 gal        | C               |                |             | 93.8         |
|                     |                      |                      |                 |                |             | 55.15        |
| 19                  | Maverick             | 1 qt/a               | A               |                | 100.0       | 100.0        |
| 19                  | Roundup PowerMax     | 32 fl oz/a           | C               |                |             | 100.0        |
| 19                  | Induce               | 0.25 % v/v           | C               |                |             | 100.0        |
| 19                  | AMS                  | 8.5 lb/100 gal       | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 55.80        |
| 20                  | Maverick             | 1 qt/a               | A               |                | 100.0       | 100.0        |
| 20                  | Atrazine             | 0.825 lb/a           | A               |                |             | 100.0        |
| 20                  | Roundup PowerMax     | 1 qt/a               | C               |                |             | 100.0        |
| 20                  | Induce               | 0.25 % v/v           | C               |                |             | 100.0        |
| 20                  | AMS                  | 3 lb/a               | C               |                |             | 100.0        |
|                     |                      |                      |                 |                |             | 56.60        |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           |                    | CHEAL                | AMAPO           | AMBEL          | ABUTH       |              |       |       |       |
|---------------------|--------------------|----------------------|-----------------|----------------|-------------|--------------|-------|-------|-------|
| Pest Name           |                    | common lambsquarters | Powell amaranth | Common ragweed | velvetleaf  |              |       |       |       |
| Crop Type, Code     |                    |                      |                 |                |             | ZEAMX        |       |       |       |
| Crop Name           |                    |                      |                 |                |             | Corn         |       |       |       |
| Rating Date         |                    | Aug-10-2021          | Aug-10-2021     | Aug-10-2021    | Aug-10-2021 | Oct-22-2021  |       |       |       |
| Rating Type         |                    | Control              | Control         | Control        | Control     | Test weight  |       |       |       |
| Rating Unit/Min/Max |                    | %, 0, 100            | %, 0, 100       | %, 0, 100      | %, 0, 100   | lbs/bu, -, - |       |       |       |
| Trt-Eval Interval   |                    | 56 DA-C              | 56 DA-C         | 56 DA-C        | 56 DA-C     | 129 DA-C     |       |       |       |
| Trt No.             | Treatment Name     | Rate                 | Unit            | Appl Code      |             |              |       |       |       |
| 21                  | Acuron             | 2.5 qt/a             |                 | A              | 100.0       | 97.8         | 100.0 | 100.0 | 56.65 |
| 22                  | Acuron             | 1.5 qt/a             |                 | A              | 100.0       | 100.0        | 98.5  | 99.0  | 55.63 |
|                     | 22 Halex GT        | 3.6 pt/a             |                 | C              |             |              |       |       |       |
|                     | 22 Atrazine        | 0.55 lb/a            |                 | C              |             |              |       |       |       |
|                     | 22 Surfactant      | 0.25 % v/v           |                 | C              |             |              |       |       |       |
|                     | 22 AMS             | 8.5 lb/100 gal       |                 | C              |             |              |       |       |       |
| 23                  | Bicep II Magnum    | 1.3 qt/a             |                 | A              | 100.0       | 100.0        | 100.0 | 100.0 | 55.23 |
|                     | 23 Halex GT        | 3.6 pt/a             |                 | C              |             |              |       |       |       |
|                     | 23 Atrazine        | 0.55 lb/a            |                 | C              |             |              |       |       |       |
|                     | 23 Surfactant      | 0.25 % v/v           |                 | C              |             |              |       |       |       |
|                     | 23 AMS             | 8.5 lb/100 gal       |                 | C              |             |              |       |       |       |
| 24                  | Acuron GT          | 3.75 pt/a            |                 | B              | 100.0       | 100.0        | 100.0 | 100.0 | 56.00 |
|                     | 24 Surfactant      | 0.25 % v/v           |                 | B              |             |              |       |       |       |
|                     | 24 AMS             | 8.5 lb/100 gal       |                 | B              |             |              |       |       |       |
| 25                  | Katagon            | 3.2 fl oz/a          |                 | B              | 86.3        | 100.0        | 100.0 | 100.0 | 64.15 |
|                     | 25 Atrazine        | 1.1 lb/a             |                 | B              |             |              |       |       |       |
|                     | 25 Destiny HC      | 1 % v/v              |                 | B              |             |              |       |       |       |
| 26                  | Katagon            | 3.2 fl oz/a          |                 | C              | 95.0        | 100.0        | 100.0 | 100.0 | 63.40 |
|                     | 26 Destiny HC      | 1 % v/v              |                 | C              |             |              |       |       |       |
|                     | LSD P=.05          |                      |                 |                | 1.10        | 0.69         | 1.19  | 1.05  | 8.794 |
|                     | Standard Deviation |                      |                 |                | 0.78        | 0.49         | 0.85  | 0.74  | 6.243 |
|                     | CV                 |                      |                 |                | 0.82        | 0.51         | 0.89  | 0.78  | 10.93 |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.



# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

|                     |  |  |             |             |          |       |  |
|---------------------|--|--|-------------|-------------|----------|-------|--|
| Pest Code           |  |  |             |             |          |       |  |
| Pest Name           |  |  |             |             |          |       |  |
| Crop Type, Code     |  |  | ZEAMX       | ZEAMX       |          |       |  |
| Crop Name           |  |  | Corn        | Corn        |          |       |  |
| Rating Date         |  |  | Oct-22-2021 | Oct-22-2021 |          |       |  |
| Rating Type         |  |  | Moisture    | YIELD       | Herb App | GROSS |  |
| Rating Unit/Min/Max |  |  | %, 0, 100   | BU, -, -    | \$/A     | \$/A  |  |
| Trt-Eval Interval   |  |  | 129 DA-C    | at 15% M    |          |       |  |

| Trt No. | Treatment Name   | Rate           | Unit | Appl Code |       |       |       |        |
|---------|------------------|----------------|------|-----------|-------|-------|-------|--------|
| 1       | Armezon PRO      | 16 fl oz/a     |      | B         | 19.60 | 192.8 | 40.99 | 965.69 |
| 1       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |        |
| 1       | Atrazine         | 1.1 lb/a       |      | B         |       |       |       |        |
| 1       | Surfactant       | 0.25 % v/v     |      | B         |       |       |       |        |
| 1       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |        |
| 2       | Status           | 3 oz/a         |      | B         | 19.13 | 187.3 | 38.38 | 939.59 |
| 2       | Zidua SC         | 1.2 fl oz/a    |      | B         |       |       |       |        |
| 2       | Atrazine         | 0.55 lb/a      |      | B         |       |       |       |        |
| 2       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |        |
| 2       | Surfactant       | 0.25 % v/v     |      | B         |       |       |       |        |
| 2       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |        |
| 3       | Status           | 5 oz/a         |      | B         | 19.68 | 190.2 | 51.27 | 941.57 |
| 3       | Zidua SC         | 2 fl oz/a      |      | B         |       |       |       |        |
| 3       | Atrazine         | 0.55 lb/a      |      | B         |       |       |       |        |
| 3       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |        |
| 3       | Surfactant       | 0.25 % v/v     |      | B         |       |       |       |        |
| 3       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |        |
| 4       | Harness Max      | 64 fl oz/a     |      | B         | 19.18 | 189.5 | 55.97 | 933.49 |
| 4       | Atrazine         | 1.1 lb/a       |      | B         |       |       |       |        |
| 4       | Roundup PowerMax | 22 fl oz/a     |      | B         |       |       |       |        |
| 4       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |        |
| 5       | Degree Xtra      | 2 qt/a         |      | B         | 18.60 | 193.0 | 54.19 | 953.40 |
| 5       | Laudis           | 3 fl oz/a      |      | B         |       |       |       |        |
| 5       | Roundup PowerMax | 32 fl oz/a     |      | B         |       |       |       |        |
| 5       | AMS              | 8.5 lb/100 gal |      | B         |       |       |       |        |
| 6       | Zidua SC         | 3.2 fl oz/a    |      | A         | 18.95 | 178.3 | 58.35 | 872.38 |
| 6       | Sharpen          | 2 fl oz/a      |      | A         |       |       |       |        |
| 6       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |        |
| 6       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |        |
| 6       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |        |
| 7       | Zidua SC         | 3.2 fl oz/a    |      | A         | 19.10 | 186.2 | 45.82 | 926.28 |
| 7       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |        |
| 7       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |        |
| 7       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |        |
| 8       | Armezon PRO      | 16 fl oz/a     |      | A         | 19.13 | 199.8 | 54.88 | 988.21 |
| 8       | Callisto         | 3 fl oz/a      |      | A         |       |       |       |        |
| 8       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |        |
| 8       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |        |
| 8       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |        |
| 9       | Verdict          | 12 fl oz/a     |      | A         | 19.33 | 185.0 | 49.19 | 916.51 |
| 9       | Atrazine         | 1.1 lb/a       |      | A         |       |       |       |        |
| 9       | Roundup PowerMax | 32 fl oz/a     |      | C         |       |       |       |        |
| 9       | AMS              | 8.5 lb/100 gal |      | C         |       |       |       |        |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code           | Pest Name            | Crop Type, Code | ZEAMX       | ZEAMX       |          |              |
|---------------------|----------------------|-----------------|-------------|-------------|----------|--------------|
| Crop Name           | Rating Date          | Rating Type     | Oct-22-2021 | Oct-22-2021 | Herb App | GROSS        |
| Rating Unit/Min/Max | Trt-Eval Interval    | Rate            | Moisture    | YIELD       | \$/A     | \$/A         |
|                     |                      | Unit            | % , 0, 100  | BU, -, -    |          |              |
|                     |                      |                 | 129 DA-C    | at 15% M    |          |              |
| Trt No.             | Treatment Name       | Rate Unit       | Appl Code   |             |          |              |
| 10                  | Degree Xtra          | 2 qt/a          | A           | 19.43       | 195.1    | 60.56 957.73 |
| 10                  | DiFlexx              | 8 fl oz/a       | C           |             |          |              |
| 10                  | Roundup PowerMax     | 22 fl oz/a      | C           |             |          |              |
| 10                  | AMS                  | 8.5 lb/100 gal  | C           |             |          |              |
| 11                  | Balance Flexx        | 4 fl oz/a       | A           | 19.53       | 193.4    | 66.59 943.09 |
| 11                  | Degree Xtra          | 2 qt/a          | A           |             |          |              |
| 11                  | Roundup PowerMax-IFN | 22 fl oz/a      | C           |             |          |              |
| 11                  | AMS-IFN              | 8.5 lb/100 gal  | C           |             |          |              |
| 12                  | Keystone NXT         | 1.25 qt/a       | A           | 19.60       | 190.2    | 64.35 928.10 |
| 12                  | SureStart II         | 2 pt/a          | A           |             |          |              |
| 12                  | Durango DMA          | 32 fl oz/a      | C           |             |          |              |
| 12                  | AMS                  | 8.5 lb/100 gal  | C           |             |          |              |
| 13                  | Untreated            |                 |             | 20.13       | 155.2    | 0.00 810.27  |
| 14                  | Resicore             | 2.5 qt/a        | A           | 19.45       | 195.9    | 76.21 946.52 |
| 14                  | Atrazine             | 1.1 lb/a        | A           |             |          |              |
| 14                  | Durango DMA          | 32 fl oz/a      | C           |             |          |              |
| 14                  | AMS                  | 8.5 lb/100 gal  | C           |             |          |              |
| 15                  | Keystone NXT         | 1.25 qt/a       | A           | 19.18       | 197.3    | 57.10 972.54 |
| 15                  | Realm Q              | 4 oz/a          | C           |             |          |              |
| 15                  | Durango DMA          | 32 fl oz/a      | C           |             |          |              |
| 15                  | AMS                  | 8.5 lb/100 gal  | C           |             |          |              |
| 15                  | Surfactant           | 0.25 % v/v      | C           |             |          |              |
| 16                  | Moccasin II Plus     | 1.3 pt/a        | A           | 19.05       | 189.8    | 42.23 948.66 |
| 16                  | Resolve Q            | 1.25 oz/a       | A           |             |          |              |
| 16                  | Atrazine             | 0.55 lb/a       | C           |             |          |              |
| 16                  | Roundup PowerMax     | 32 fl oz/a      | C           |             |          |              |
| 16                  | AMS                  | 17 lb/100 gal   | C           |             |          |              |
| 17                  | Tripzin ZC           | 29 fl oz/a      | A           | 19.73       | 184.5    | 49.35 913.48 |
| 17                  | Resolve Q            | 1.25 oz/a       | C           |             |          |              |
| 17                  | Atrazine             | 0.55 lb/a       | C           |             |          |              |
| 17                  | Roundup PowerMax     | 32 fl oz/a      | C           |             |          |              |
| 17                  | AMS                  | 17 lb/100 gal   | C           |             |          |              |
| 18                  | Resolve Q            | 1.25 oz/a       | A           | 19.58       | 161.7    | 49.35 794.85 |
| 18                  | Atrazine             | 0.55 lb/a       | A           |             |          |              |
| 18                  | Roundup PowerMax     | 32 fl oz/a      | C           |             |          |              |
| 18                  | Tripzin ZC           | 29 fl oz/a      | C           |             |          |              |
| 18                  | AMS                  | 17 lb/100 gal   | C           |             |          |              |
| 19                  | Maverick             | 1 qt/a          | A           | 19.25       | 192.9    |              |
| 19                  | Roundup PowerMax     | 32 fl oz/a      | C           |             |          |              |
| 19                  | Induce               | 0.25 % v/v      | C           |             |          |              |
| 19                  | AMS                  | 8.5 lb/100 gal  | C           |             |          |              |
| 20                  | Maverick             | 1 qt/a          | A           | 19.28       | 185.4    |              |
| 20                  | Atrazine             | 0.825 lb/a      | A           |             |          |              |
| 20                  | Roundup PowerMax     | 1 qt/a          | C           |             |          |              |
| 20                  | Induce               | 0.25 % v/v      | C           |             |          |              |
| 20                  | AMS                  | 3 lb/a          | C           |             |          |              |

Missing data estimates are included in columns: Average=29,30

Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.

^Calculated from residual.

# Michigan State University

## Commercial programs for weed control in corn

Trial ID: C01-21\_2 Location: Campus C-28 Trial Year: 2021  
 Protocol ID: C01-21 Investigator (Creator): Erin Burns  
 Project ID: Study Director:  
 Sponsor Contact:

| Pest Code | Pest Name          | Crop Type, Code | Crop Name | Rating Date | Rating Type | Rating Unit/Min/Max | Trt-Eval Interval | ZEAMX<br>Corn<br>Oct-22-2021<br>Moisture<br>%, 0, 100<br>129 DA-C | ZEAMX<br>Corn<br>Oct-22-2021<br>YIELD<br>BU, -, -<br>at 15% M | Herb  | App     | GROSS |
|-----------|--------------------|-----------------|-----------|-------------|-------------|---------------------|-------------------|---|---|-------|---------|-------|
| Trt No.   | Treatment Name     | Rate            | Unit      | Appl Code   |             |                     |                   |   |   |       |         |       |
| 21        | Acuron             | 2.5 qt/a        |           | A           |             |                     |                   | 19.48   | 195.7   | 54.78 | 966.64  |       |
| 22        | Acuron             | 1.5 qt/a        |           | A           |             |                     |                   | 19.70   | 195.2   | 71.77 | 947.30  |       |
| 22        | Halex GT           | 3.6 pt/a        |           | C           |             |                     |                   |   |   |       |         |       |
| 22        | Atrazine           | 0.55 lb/a       |           | C           |             |                     |                   |   |   |       |         |       |
| 22        | Surfactant         | 0.25 % v/v      |           | C           |             |                     |                   |   |   |       |         |       |
| 22        | AMS                | 8.5 lb/100 gal  |           | C           |             |                     |                   |   |   |       |         |       |
| 23        | Bicep II Magnum    | 1.3 qt/a        |           | A           |             |                     |                   | 19.93   | 184.4   | 58.00 | 904.83  |       |
| 23        | Halex GT           | 3.6 pt/a        |           | C           |             |                     |                   |   |   |       |         |       |
| 23        | Atrazine           | 0.55 lb/a       |           | C           |             |                     |                   |   |   |       |         |       |
| 23        | Surfactant         | 0.25 % v/v      |           | C           |             |                     |                   |   |   |       |         |       |
| 23        | AMS                | 8.5 lb/100 gal  |           | C           |             |                     |                   |   |   |       |         |       |
| 24        | Acuron GT          | 3.75 pt/a       |           | B           |             |                     |                   | 19.43   | 182.4   | 43.31 | 908.82  |       |
| 24        | Surfactant         | 0.25 % v/v      |           | B           |             |                     |                   |   |   |       |         |       |
| 24        | AMS                | 8.5 lb/100 gal  |           | B           |             |                     |                   |   |   |       |         |       |
| 25        | Katagon            | 3.2 fl oz/a     |           | B           |             |                     |                   | 19.35   | 187.5   |       |         |       |
| 25        | Atrazine           | 1.1 lb/a        |           | B           |             |                     |                   |   |   |       |         |       |
| 25        | Destiny HC         | 1 % v/v         |           | B           |             |                     |                   |   |   |       |         |       |
| 26        | Katagon            | 3.2 fl oz/a     |           | C           |             |                     |                   | 19.48   | 194.3   |       |         |       |
| 26        | Destiny HC         | 1 % v/v         |           | C           |             |                     |                   |   |   |       |         |       |
|           | LSD P=.05          |                 |           |             |             |                     |                   | 0.826   | 18.63   |       | 106.590 |       |
|           | Standard Deviation |                 |           |             |             |                     |                   | 0.586   | 13.23   | 0.000 | 75.433  |       |
|           | CV                 |                 |           |             |             |                     |                   | 3.02  | 7.04  | 0.0   | 8.09    |       |

Missing data estimates are included in columns: Average=29,30  
 Could not calculate LSD (% mean diff) for columns 1,13,19,29 because error mean square = 0.  
 ^Calculated from residual.