

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
Project ID: 2107-01-24-03 Study Director: Greg Elmore
Sponsor Contact:

General Trial Information

Study Director: Greg Elmore
Investigator: Dr. Mark M. Loux

Trial Location

City: South Charleston Country: USA United States
State/Prov.: Ohio
Postal Code: 45368 Climate Zone: USWARM US Warm Continental

Latitude of LL Corner °: 39.86008 N
Longitude of LL Corner °: 83.67052 W
Altitude of LL Corner, Unit: 1089.00 FT
Conducted Under GLP: No
Conducted Under GEP: No
No.

Contacts

Study Director: Greg Elmore
Investigator: Dr. Mark M. Loux
Organization: The Ohio State University
Address: 2021 Coffey Road
City+State/Prov: Columbus, Ohio
Postal Code: 43210
Country: USA United States

Cooperator/Landowner

Other Contacts

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: DKC61-54RIB
Description: Dekalb RR/LL

Planting Rate, Unit: 32097 S/A
Depth, Unit: 1.75 IN
Row Spacing, Unit: 30 IN
Planting Date: 4-25-2017
Planting Method: PLANTD planted
Planting Equipment: FPP Finger Pickup Planter
Emergence Date: 5-10-2017

Soil Temperature, Unit: 56 F
Soil Moisture: MOIST
Seed Bed: MEDTRA medium/trashy

Pest Description

- Pest 1 Type: W Code: SETFA Setaria faberi
Common Name: Giant foxtail
- Pest 2 Type: W Code: ECHCG Echinochloa crus-galli
Common Name: Common barnyard grass
- Pest 3 Type: W Code: AMBTR Ambrosia trifida
Common Name: Giant ragweed
- Pest 4 Type: W Code: CHEAL Chenopodium album
Common Name: common lambsquarters
- Pest 5 Type: W Code: AMARE Amaranthus retroflexus
Common Name: Redroot pigweed
- Pest 6 Type: W Code: POLPY Persicaria pensylvanica
Common Name: annual smartweed

Site and Design

Treated Plot Width: 6.67 FT
Treated Plot Length: 30 FT
Treated Plot Area: 200.1 FT2
Replications: 3
No. Previous Crop Year
1. Soybean 2016
Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)

Maintenance

No.

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Soil Description

Description Name: F-8 East
% OM: 3.1 Texture: SICL silty clay loam
pH: 5.9 Soil Name: Kokomo
CEC: 17.3 Fert. Level: G good
Soil Drainage: G good

Additional Measured Elements

Application Description

| | A | B |
|------------------------------|-----------|-----------|
| Application Date: | 5-30-2017 | 6-6-2017 |
| Appl. Start Time: | 9:25 AM | 8:00 AM |
| Appl. Stop Time: | 9:45 AM | 8:15 AM |
| Application Method: | SPRAY | SPRAY |
| Application Timing: | EPO | POST |
| Application Placement: | BROFOL | BROFOL |
| Applied By: | Dobbels | Reeb |
| Air Temperature, Unit: | 71 F | 59 F |
| % Relative Humidity: | 56 | 77 |
| Wind Velocity, Unit: | 6 MPH | 7 MPH |
| Wind Direction: | NE | N |
| Dew Presence (Y/N): | N no | Y yes |
| Soil Temperature, Unit: | 61 F | 60 F |
| Soil Moisture: | GOOD | SLIWET |
| % Cloud Cover: | 0 | 0 |
| Next Moisture Occurred On: | 6-4-2017 | 6-13-2017 |
| Time to Next Moisture, Unit: | 5 DAY | 1 WK |

Crop Stage At Each Application

| | A | | B | |
|--------------------------|-------|------|-------|------|
| Crop 1 Code, BBCH Scale: | ZEAMX | BCOR | ZEAMX | BCOR |
| Stage Scale Used: | BBCH | | BBCH | |
| Stage Majority, Percent: | 14 | 100 | 15 | 100 |
| Height, Unit: | 7 | IN | 15 | IN |
| Height Minimum, Maximum: | 6 | 8 | 14 | 16 |

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Pest Stage At Each Application

| | A | | B | |
|----------------------------------|-------|-----|-------|-----|
| Pest 1 Code, Type, Scale: | SETFA | W | SETFA | W |
| Stage Majority, Percent: | 14 | 100 | 15 | 100 |
| Height, Unit: | 5 | IN | 8 | IN |
| Height Minimum, Maximum: | 4 | 6 | 7 | 8 |
| Density, Unit: | 93 | m2 | 93 | m2 |
| Pest 2 Code, Type, Scale: | ECHCG | W | ECHCG | W |
| Stage Majority, Percent: | 14 | 100 | 14 | 100 |
| Height, Unit: | 5 | IN | 8 | IN |
| Height Minimum, Maximum: | 4 | 6 | 7 | 8 |
| Density, Unit: | 59 | m2 | 59 | m2 |
| Pest 3 Code, Type, Scale: | AMBTR | W | AMBTR | W |
| Stage Majority, Percent: | 19 | 100 | 19 | 100 |
| Height, Unit: | 9.5 | IN | 13 | IN |
| Height Minimum, Maximum: | 9 | 10 | 12 | 14 |
| Density, Unit: | 1 | m2 | 1 | m2 |
| Pest 4 Code, Type, Scale: | CHEAL | W | CHEAL | W |
| Stage Majority, Percent: | 19 | 100 | 19 | 100 |
| Height, Unit: | 4 | IN | 5 | IN |
| Height Minimum, Maximum: | 3 | 4 | 4 | 5 |
| Density, Unit: | 27 | m2 | 27 | m2 |
| Pest 5 Code, Type, Scale: | AMARE | W | AMARE | W |
| Stage Majority, Percent: | 16 | 100 | 19 | 100 |
| Height, Unit: | 5.5 | IN | 6 | IN |
| Height Minimum, Maximum: | 5 | 6 | 6 | 7 |
| Density, Unit: | 20 | m2 | 20 | m2 |
| Pest 6 Code, Type, Scale: | POLPY | W | POLPY | W |
| Stage Majority, Percent: | 19 | 100 | 19 | 100 |
| Height, Unit: | 4 | IN | 5 | IN |
| Height Minimum, Maximum: | 4 | 4 | 4 | 5 |
| Density, Unit: | 1 | m2 | 1 | M2 |

Application Equipment

| | A | | B | |
|----------------------------------|--------------------------------------|--------|--------|--------|
| Appl. Equipment: | 10' | AI XR | 10' | AI XR |
| Equipment Type: | SPRBAC | | SPRBAC | |
| Operation Pressure, Unit: | 46 | PSI | 46 | PSI |
| Nozzle Type: | AI XR | | AI XR | |
| Nozzle Size: | 110015 | | 110015 | |
| Nozzle Spacing, Unit: | 18 | IN | 18 | IN |
| Boom Length, Unit: | 10 | FT | 10 | FT |
| Boom Height, Unit: | 20 | IN | 20 | IN |
| Ground Speed, Unit: | 3 | MPH | 3 | MPH |
| Carrier: | WATER | | WATER | |
| Spray Volume, Unit: | 15 | GPA | 15 | GPA |
| Mix Size, Unit: | 2 | Liters | 2 | Liters |
| Propellant: | CO2 | | CO2 | |
| Trt No | Treatment Application Comment | | | |

Date By Notes

No. Date By Deviations

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Location: Trial Year: 2017
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Pest Type
 Pest Code
 Pest Name

| Crop Code | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX |
|-------------------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Crop Name | Corn | Corn | Corn | Corn | Corn | Corn | Corn | Corn | Corn |
| Rating Date | 6-2-2017 | 6-2-2017 | 6-9-2017 | 6-9-2017 | 6-6-2017 | 6-6-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 |
| Rating Type | PHYNEC | PHYBLE | PHYNEC | PHYBLE | PHYBLE | PHYNEC | PHYBLE | PHYNEC | PHYBLE |
| Rating Unit | % | % | % | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 |
| Trt-Eval Interval | 3 DA-A | 3 DA-A | 3 DA-B | 3 DA-B | 7 DA-A | 7 DA-A | 15 DA-A | 15 DA-A | 8 DA-B |
| Days After Emergence | 23 DE-1 | 23 DE-1 | 30 DE-1 | 30 DE-1 | 27 DE-1 | 27 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit Code | 1* | 2* | 3* | 4* | 5* | 6* | 7* | 8* | 9* |
|---------|---------------------|------------|------------|----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|
| 1 | MON 62102 | 40 fl oz/a | | A | 0 b | 0 - | | | 2 cd | 1 - | 2 - | 2 - | |
| | 1 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | | | | |
| | 1 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | 0 b | 2 - | | | 1 d | 1 - | 1 - | 1 - | |
| | 2 PREFERENCE | | | A | | | | | | | | | |
| | 2 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | 1 b | 2 - | | | 4 ab | 2 - | 3 - | 1 - | |
| | 3 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | | | | |
| | 3 ATRAZINE | 1 qt/a | | A | | | | | | | | | |
| | 3 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | 1 b | 0 - | | | 2 cd | 1 - | 2 - | 2 - | |
| | 4 ATRAZINE | 1 qt/a | | A | | | | | | | | | |
| | 4 PREFERENCE | | | A | | | | | | | | | |
| | 4 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | 0 b | 0 - | | | 3 bc | 0 - | 2 - | 1 - | |
| | 5 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | | | | |
| | 5 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | 4 a | 1 - | | | 4 ab | 1 - | 4 - | 3 - | |
| | 6 ATRAZINE | 1 qt/a | | A | | | | | | | | | |
| | 6 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | | | | |
| | 6 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | 0 b | 3 - | | | 2 cd | 0 - | 3 - | 1 - | |
| | 7 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | | | | |
| | 7 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | 0 b | 2 - | | | 5 a | 1 - | 2 - | 1 - | |
| | 8 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | | | | |
| | 8 N-PAK AMS LIQUID | | | A | | | | | | | | | |
| | 8 SUPERB HC | | | A | | | | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | | | 0 - | 1 - | | | | | 5 - |
| | 9 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | | | | |
| | 9 N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | | | 1 - | 1 - | | | | | 6 - |
| | 10 PREFERENCE | | | B | | | | | | | | | |
| | 10 N-PAK AMS LIQUID | | | B | | | | | | | | | |

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

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Pest Type
Pest Code
Pest Name

| Crop Code | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX |
|-------------------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Crop Name | Corn | Corn | Corn | Corn | Corn | Corn | Corn | Corn | Corn |
| Rating Date | 6-2-2017 | 6-2-2017 | 6-9-2017 | 6-9-2017 | 6-6-2017 | 6-6-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 |
| Rating Type | PHYNEC | PHYBLE | PHYNEC | PHYBLE | PHYBLE | PHYNEC | PHYBLE | PHYNEC | PHYBLE |
| Rating Unit | % | % | % | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 3 | 3 | 3 | 10 | 3 | 7 | 7 | 15 | 8 |
| Trt-Eval Interval | 3 DA-A | 3 DA-A | 3 DA-B | 3 DA-B | 7 DA-A | 7 DA-A | 15 DA-A | 15 DA-A | 8 DA-B |
| Days After Emergence | 23 DE-1 | 23 DE-1 | 30 DE-1 | 30 DE-1 | 27 DE-1 | 27 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 1* | 2* | 3* | 4* | 5* | 6* | 7* | 8* | 9* |
|--------------------|------------------|------------|-----------------|-----------|---------|---------|--------|--------|--------|----------|----|----|-----|
| 11 | MON 62102 | 40 fl oz/a | | B | | | 1 - | 1 - | | | | | 5 - |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | | | 2 - | 2 - | | | | | 5 - |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | | | 2 - | 2 - | | | | | 6 - |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | | | 1 - | 3 - | | | | | 6 - |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | | | 2 - | 2 - | | | | | 5 - |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | | | 0 - | 1 - | | | | | 6 - |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | | | | |
| LSD P=.05 | | 1.8 | 4.9 | 3.3 | 3.1 | 2.0 | 1.4 | 2.1 | 1.7 | 1.3 | | | |
| Standard Deviation | | 1.0 | 2.8 | 1.9 | 1.8 | 1.1 | 0.8 | 1.2 | 1.0 | 0.8 | | | |
| CV | | 138.01 | 240.63 | 165.3 | 124.07 | 38.98 | 90.26 | 49.46 | 64.04 | 14.17 | | | |
| Bartlett's X2 | | 0.0 | 4.432 | 2.078 | 5.157 | 1.093 | 3.094 | 5.183 | 1.659 | 4.678 | | | |
| P(Bartlett's X2) | | . | 0.351 | 0.838 | 0.641 | 0.982 | 0.876 | 0.638 | 0.894 | 0.699 | | | |
| Skewness | | 1.9907* | 2.501* | 1.2401* | 0.5075 | 0.0901 | 0.662 | 0.6569 | 0.9344 | -1.3134* | | | |
| Kurtosis | | 2.7813* | 6.6837* | 0.4827 | -0.9662 | -1.3224 | 0.139 | 0.7481 | 0.2209 | 2.4643* | | | |
| Replicate F | | 1.400 | 0.021 | 0.036 | 0.013 | 0.697 | 0.791 | 0.467 | 0.948 | 1.167 | | | |
| Replicate Prob(F) | | 0.2791 | 0.9791 | 0.9646 | 0.9866 | 0.5147 | 0.4725 | 0.6365 | 0.4109 | 0.3399 | | | |
| Treatment F | | 5.400 | 0.520 | 0.577 | 0.578 | 4.924 | 1.078 | 2.050 | 1.445 | 1.000 | | | |
| Treatment Prob(F) | | 0.0036 | 0.8055 | 0.7638 | 0.7628 | 0.0055 | 0.4261 | 0.1198 | 0.2636 | 0.4706 | | | |

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| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---------------|---------------|-----------------|------------|---------------|
| Pest Code | SETFA | AMBTR | CHEAL | ABUTH | HIBTR |
| Pest Name | Giant foxtail | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow |
| Crop Code | ZEAMX | | | | |
| Crop Name | Corn | | | | |
| Rating Date | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 |
| Rating Type | PHYNEC | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 15 8 | 15 8 | 15 8 | 15 8 | 15 8 |
| Trt-Eval Interval | 8 DA-B | 15 DA-A | 15 DA-A | 15 DA-A | 15 DA-A |
| Days After Emergence | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Unit | Appl Code | 10* | 11* | 12* | 13* | 14* | 15* |
|---------|------------------|------------|------------|-----------|-----|------|-------|-------|-------|-------|
| 1 | MON 62102 | 40 fl oz/a | | A | | 95 - | 99 - | 100 - | 100 - | 100 - |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | | 93 - | 100 - | 100 - | 100 - | 100 - |
| 2 | PREFERENCE | | | A | | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | | 93 - | 100 - | 100 - | 100 - | 100 - |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | | 93 - | 100 - | 100 - | 100 - | 100 - |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 4 | PREFERENCE | | | A | | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | | 93 - | 98 - | 100 - | 100 - | 100 - |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | | 96 - | 100 - | 100 - | 100 - | 100 - |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | | 95 - | 99 - | 100 - | 100 - | 100 - |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | | 95 - | 100 - | 100 - | 100 - | 100 - |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | SUPERB HC | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | 5 - | | | | | |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | 4 - | | | | | |
| 10 | PREFERENCE | | | B | | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | | |

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Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

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| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---------------|---------------|-----------------|------------|---------------|
| Pest Code | SETFA | AMBTR | CHEAL | ABUTH | HIBTR |
| Pest Name | Giant foxtail | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow |
| Crop Code | ZEAMX | | | | |
| Crop Name | Corn | | | | |
| Rating Date | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 |
| Rating Type | PHYNEC | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 15 8 | 15 8 | 15 8 | 15 8 | 15 8 |
| Trt-Eval Interval | 8 DA-B | 15 DA-A | 15 DA-A | 15 DA-A | 15 DA-A |
| Days After Emergence | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 10* | 11* | 12* | 13* | 14* | 15* |
|--------------------|------------------|------------|-----------------|-----------|--------|----------|----------|--------|---------|--------|
| 11 | MON 62102 | 40 fl oz/a | | B | 5 - | | | | | |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 5 - | | | | | |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 5 - | | | | | |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 5 - | | | | | |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | 4 - | | | | | |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 5 - | | | | | |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD P=.05 | | | | | 1.7 | 3.5 | 2.0 | 0.5 | 0.4 | . |
| Standard Deviation | | | | | 1.0 | 2.0 | 1.1 | 0.3 | 0.2 | 0.0 |
| CV | | | | | 20.09 | 2.1 | 1.15 | 0.27 | 0.2 | 0.0 |
| Bartlett's X2 | | | | | 3.462 | 0.138 | 4.481 | 0.0 | 0.0 | 0.0 |
| P(Bartlett's X2) | | | | | 0.839 | 0.998 | 0.106 | . | . | . |
| Skewness | | | | | -0.625 | -1.0561* | -3.4062* | -3.22* | -4.899* | . |
| Kurtosis | | | | | 0.9735 | 1.649 | 13.0826* | 9.124* | 24.0* | . |
| Replicate F | | | | | 1.784 | 2.887 | 0.602 | 2.333 | 1.000 | 0.000 |
| Replicate Prob(F) | | | | | 0.2040 | 0.0892 | 0.5614 | 0.1335 | 0.3927 | 1.0000 |
| Treatment F | | | | | 1.020 | 1.023 | 0.864 | 1.000 | 1.000 | 0.000 |
| Treatment Prob(F) | | | | | 0.4591 | 0.4572 | 0.5564 | 0.4706 | 0.4706 | 1.0000 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| | | | | | | |
|-------------------------------|-----------------|-----------------|--------------|-----------------|----------------|-----------|
| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | |
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | |
| Crop Code | | | | | | ZEAMX |
| Crop Name | | | | | | Corn |
| Rating Date | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-20-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | PHYBLE |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 15 8 | 15 8 | 15 8 | 15 8 | 15 8 | 21 14 |
| Trt-Eval Interval | 15 DA-A | 15 DA-A | 15 DA-A | 15 DA-A | 15 DA-A | 14 DA-B |
| Days After Emergence | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 | 41 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 16* | 17* | 18* | 19* | 20* | 21* |
|---------|------------------|------------|-----------------|-----------|-------|-------|-------|-------|-------|-----|
| 1 | MON 62102 | 40 fl oz/a | | A | 100 - | 100 - | 99 - | 100 - | 100 - | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | 100 - | 99 - | 100 - | 100 - | 100 - | |
| 2 | PREFERENCE | | | A | | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | 100 - | 100 - | 100 - | 100 - | 100 - | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | 100 - | 100 - | 100 - | 100 - | 100 - | |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 4 | PREFERENCE | | | A | | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | 100 - | 99 - | 100 - | 100 - | 100 - | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | 100 - | 100 - | 100 - | 100 - | 100 - | |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | 100 - | 100 - | 100 - | 100 - | 100 - | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | 99 - | 99 - | 100 - | 100 - | 100 - | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | SUPERB HC | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | | | | | | 2 - |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | | | | | | 2 - |
| 10 | PREFERENCE | | | B | | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | | |

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
Protocol ID: 17MONPOST
Project ID: 2107-01-24-03

Location: Trial Year: 2017
Investigator: Dr. Mark M. Loux
Study Director: Greg Elmore
Sponsor Contact:

| | | | | | | |
|-------------------------------|-----------------|-----------------|--------------|-----------------|----------------|-----------|
| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | |
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | |
| Crop Code | | | | | | ZEAMX |
| Crop Name | | | | | | Corn |
| Rating Date | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-14-2017 | 6-20-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | PHYBLE |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 15 8 | 15 8 | 15 8 | 15 8 | 15 8 | 21 14 |
| Trt-Eval Interval | 15 DA-A | 15 DA-A | 15 DA-A | 15 DA-A | 15 DA-A | 14 DA-B |
| Days After Emergence | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 | 35 DE-1 | 41 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 16* | 17* | 18* | 19* | 20* | 21* |
|--------------------|------------------|------------|-----------------|-----------|----------|----------|----------|--------|--------|---------|
| 11 | MON 62102 | 40 fl oz/a | | B | | | | | | 2 - |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | | | | | | 4 - |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | | | | | | 4 - |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | | | | | | 3 - |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | | | | | | 3 - |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | | | | | | 4 - |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD | P=.05 | 0.6 | | | 0.6 | 1.2 | 1.1 | . | . | 1.4 |
| Standard Deviation | | 0.3 | | | 0.3 | 0.7 | 0.6 | 0.0 | 0.0 | 0.8 |
| CV | | 0.35 | | | 0.35 | 0.67 | 0.62 | 0.0 | 0.0 | 25.72 |
| Bartlett's X2 | | 0.0 | | | 0.0 | 0.055 | 2.012 | 0.0 | 0.0 | 4.678 |
| P(Bartlett's X2) | | . | | | . | 0.973 | 0.156 | . | . | 0.699 |
| Skewness | | -1.9104* | | | -1.9104* | -1.8893* | -4.2609* | . | . | -0.4111 |
| Kurtosis | | 1.7922 | | | 1.7922 | 2.0945* | 18.8342* | . | . | -0.6693 |
| Replicate F | | 1.400 | | | 1.400 | 0.368 | 1.750 | 0.000 | 0.000 | 0.840 |
| Replicate Prob(F) | | 0.2791 | | | 0.2791 | 0.6983 | 0.2097 | 1.0000 | 1.0000 | 0.4523 |
| Treatment F | | 1.600 | | | 1.600 | 1.474 | 1.000 | 0.000 | 0.000 | 2.080 |
| Treatment Prob(F) | | 0.2149 | | | 0.2149 | 0.2539 | 0.4706 | 1.0000 | 1.0000 | 0.1154 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---------------|---------------|----------------|------------|---------------|
| Pest Code | SETFA | AMBTR | CHEAL | ABUTH | HIBTR |
| Pest Name | Giant foxtail | Giant ragweed | common lambsqu | velvetleaf | Venice mallow |
| Crop Code | ZEAMX | | | | |
| Crop Name | Corn | | | | |
| Rating Date | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 |
| Rating Type | PHYNEC | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 21 14 | 21 14 | 21 14 | 21 14 | 21 14 |
| Trt-Eval Interval | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B |
| Days After Emergence | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit | Code | 22* | 23* | 24* | 25* | 26* | 27* |
|---------|------------------|------------|------------|-----------|------|------|------|-------|------|-------|-------|
| 1 | MON 62102 | 40 fl oz/a | | | A | | | | | | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | | A | | | | | | |
| 1 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | | A | | | | | | |
| 2 | PREFERENCE | | | | A | | | | | | |
| 2 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | | A | | | | | | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | | A | | | | | | |
| 3 | ATRAZINE | 1 qt/a | | | A | | | | | | |
| 3 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | | A | | | | | | |
| 4 | ATRAZINE | 1 qt/a | | | A | | | | | | |
| 4 | PREFERENCE | | | | A | | | | | | |
| 4 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | | A | | | | | | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | | A | | | | | | |
| 5 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | | A | | | | | | |
| 6 | ATRAZINE | 1 qt/a | | | A | | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | | A | | | | | | |
| 6 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | | A | | | | | | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | | A | | | | | | |
| 7 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | | A | | | | | | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | | A | | | | | | |
| 8 | N-PAK AMS LIQUID | | | | A | | | | | | |
| 8 | SUPERB HC | | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | | B | 1 c | 60 b | 100 - | 86 - | 100 - | 99 - |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | | B | | | | | | |
| 9 | N-PAK AMS LIQUID | | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | | B | 1 bc | 60 b | 100 - | 87 - | 100 - | 100 - |
| 10 | PREFERENCE | | | | B | | | | | | |
| 10 | N-PAK AMS LIQUID | | | | B | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---------------|---------------|----------------|------------|---------------|
| Pest Code | SETFA | AMBTR | CHEAL | ABUTH | HIBTR |
| Pest Name | Giant foxtail | Giant ragweed | common lambsqu | velvetleaf | Venice mallow |
| Crop Code | ZEAMX | | | | |
| Crop Name | Corn | | | | |
| Rating Date | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 |
| Rating Type | PHYNEC | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 21 14 | 21 14 | 21 14 | 21 14 | 21 14 |
| Trt-Eval Interval | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B |
| Days After Emergence | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 22* | 23* | 24* | 25* | 26* | 27* |
|--------------------|------------------|------------|-----------------|-----------|----------|---------|--------|---------|--------|---------|
| 11 | MON 62102 | 40 fl oz/a | | B | 1 c | 60 b | 100 - | 100 - | 100 - | 100 - |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 2 a | 60 b | 100 - | 87 - | 100 - | 100 - |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 2 ab | 62 b | 100 - | 80 - | 100 - | 100 - |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 1 bc | 62 b | 100 - | 99 - | 100 - | 100 - |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | 2 a | 63 b | 100 - | 87 - | 100 - | 100 - |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 2 ab | 73 a | 100 - | 92 - | 100 - | 100 - |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD P=.05 | | | | | 0.6 | 4.0 | . | 16.6 | . | 0.7 |
| Standard Deviation | | | | | 0.4 | 2.3 | 0.0 | 9.5 | 0.0 | 0.4 |
| CV | | | | | 24.67 | 3.65 | 0.0 | 10.56 | 0.0 | 0.41 |
| Bartlett's X2 | | | | | 0.0 | 1.64 | 0.0 | 9.161 | 0.0 | 0.0 |
| P(Bartlett's X2) | | | | | . | 0.65 | . | 0.103 | . | . |
| Skewness | | | | | 0.0 | 1.8252* | . | 0.0281 | . | -4.899* |
| Kurtosis | | | | | -2.1905* | 2.0884* | . | -2.157* | . | 24.0* |
| Replicate F | | | | | 2.739 | 4.200 | 0.000 | 0.012 | 0.000 | 1.000 |
| Replicate Prob(F) | | | | | 0.0991 | 0.0373 | 1.0000 | 0.9885 | 1.0000 | 0.3927 |
| Treatment F | | | | | 3.478 | 11.886 | 0.000 | 1.604 | 0.000 | 1.000 |
| Treatment Prob(F) | | | | | 0.0225 | 0.0001 | 1.0000 | 0.2138 | 1.0000 | 0.4706 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

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Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|-----------------|-----------------|--------------|-----------------|----------------|---------------|
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | SETFA |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-27-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 21 14 | 21 14 | 21 14 | 21 14 | 21 14 | 28 21 |
| Trt-Eval Interval | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B | 28 DA-A |
| Days After Emergence | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 | 48 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit Code | 28* | 29* | 30* | 31* | 32* | 33* |
|---------|---------------------|------------|------------|----------------|-------|-------|-------|-------|-------|------|
| 1 | MON 62102 | 40 fl oz/a | | A | | | | | | 93 - |
| | 1 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| | 1 N-PAK AMS LIQUID | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | | | | | | 96 - |
| | 2 PREFERENCE | | | A | | | | | | |
| | 2 N-PAK AMS LIQUID | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | | | | | | 87 - |
| | 3 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| | 3 ATRAZINE | 1 qt/a | | A | | | | | | |
| | 3 N-PAK AMS LIQUID | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | | | | | | 90 - |
| | 4 ATRAZINE | 1 qt/a | | A | | | | | | |
| | 4 PREFERENCE | | | A | | | | | | |
| | 4 N-PAK AMS LIQUID | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | | | | | | 95 - |
| | 5 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| | 5 N-PAK AMS LIQUID | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | | | | | | 94 - |
| | 6 ATRAZINE | 1 qt/a | | A | | | | | | |
| | 6 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| | 6 N-PAK AMS LIQUID | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | | | | | | 89 - |
| | 7 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| | 7 N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | | | | | | 95 - |
| | 8 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| | 8 N-PAK AMS LIQUID | | | A | | | | | | |
| | 8 SUPERB HC | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | 100 - | 100 - | 100 - | 100 - | 100 - | |
| | 9 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| | 9 N-PAK AMS LIQUID | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | 100 - | 100 - | 100 - | 100 - | 100 - | |
| | 10 PREFERENCE | | | B | | | | | | |
| | 10 N-PAK AMS LIQUID | | | B | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
Protocol ID: 17MONPOST
Project ID: 2107-01-24-03

Location: Trial Year: 2017
Investigator: Dr. Mark M. Loux
Study Director: Greg Elmore
Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|--------------------|--------------------|-----------------|--------------------|-------------------|------------------|
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | SETFA |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-20-2017 | 6-27-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 21 14 | 21 14 | 21 14 | 21 14 | 21 14 | 28 21 |
| Trt-Eval Interval | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B | 14 DA-B | 28 DA-A |
| Days After Emergence | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 | 41 DE-1 | 48 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Unit | Appl Code | 28* | 29* | 30* | 31* | 32* | 33* |
|--------------------|------------------|------------|------------|-----------|--------|----------|----------|--------|--------|---------|
| 11 | MON 62102 | 40 fl oz/a | | B | 100 - | 98 - | 100 - | 100 - | 100 - | |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 100 - | 99 - | 100 - | 100 - | 100 - | |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 100 - | 98 - | 100 - | 100 - | 100 - | |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 100 - | 100 - | 100 - | 100 - | 100 - | |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | 100 - | 97 - | 99 - | 100 - | 100 - | |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 100 - | 98 - | 100 - | 100 - | 100 - | |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD | P=.05 | | | | . | 2.9 | 0.9 | . | . | 7.9 |
| Standard Deviation | | | | | 0.0 | 1.6 | 0.5 | 0.0 | 0.0 | 4.5 |
| CV | | | | | 0.0 | 1.67 | 0.51 | 0.0 | 0.0 | 4.88 |
| Bartlett's X2 | | | | | 0.0 | 12.315 | 1.64 | 0.0 | 0.0 | 3.922 |
| P(Bartlett's X2) | | | | | . | 0.091 | 0.65 | . | . | 0.789 |
| Skewness | | | | | . | -1.5327* | -2.5393* | . | . | -0.7036 |
| Kurtosis | | | | | . | 1.3649 | 6.258* | . | . | -0.9181 |
| Replicate F | | | | | 0.000 | 0.737 | 2.116 | 0.000 | 0.000 | 10.176 |
| Replicate Prob(F) | | | | | 1.0000 | 0.4963 | 0.1574 | 1.0000 | 1.0000 | 0.0019 |
| Treatment F | | | | | 0.000 | 1.079 | 0.721 | 0.000 | 0.000 | 1.528 |
| Treatment Prob(F) | | | | | 1.0000 | 0.4257 | 0.6570 | 1.0000 | 1.0000 | 0.2362 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|-----------|-----------|-----------|------------|-----------|
| Pest Code | ECHCG | AMBTR | CHEAL | ABUTH | HIBTR |
| Pest Name | Common | Giant | common | velvetleaf | Venice |
| Crop Code | barnyar> | ragweed | lambsqu> | | mallow |
| Crop Name | | | | | |
| Rating Date | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 28 21 | 28 21 | 28 21 | 28 21 | 28 21 |
| Trt-Eval Interval | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A |
| Days After Emergence | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit Code | 34* | 35* | 36* | 37* | 38* |
|---------|------------------|------------|------------|----------------|------|-------|-------|-------|-------|
| 1 | MON 62102 | 40 fl oz/a | | A | 90 - | 99 - | 100 - | 100 - | 100 - |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | 93 - | 100 - | 100 - | 100 - | 100 - |
| 2 | PREFERENCE | | | A | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | 85 - | 99 - | 100 - | 100 - | 100 - |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | 87 - | 98 - | 100 - | 100 - | 100 - |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | |
| 4 | PREFERENCE | | | A | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | 91 - | 98 - | 100 - | 100 - | 100 - |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | 92 - | 99 - | 100 - | 100 - | 100 - |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | 87 - | 98 - | 100 - | 100 - | 100 - |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | 92 - | 98 - | 99 - | 100 - | 100 - |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | |
| 8 | SUPERB HC | | | A | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | | | | | |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | | | | | |
| 10 | PREFERENCE | | | B | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | | | |
|-------------------------------|--------------------|------------------|--------------------|----------------|------------------|-----|-----|-----|
| Pest Code | ECHCG | AMBTR | CHEAL | ABUTH | HIBTR | | | |
| Pest Name | Common barnyar> | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow | | | |
| Crop Code | | | | | | | | |
| Crop Name | | | | | | | | |
| Rating Date | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 7 | 6-27-2017 | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | | |
| Rating Unit | % | % | % | % | % | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | | |
| Days After First/Last Applic. | 28 21 | 28 21 | 28 21 | 28 21 | 28 21 | | | |
| Trt-Eval Interval | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | | | |
| Days After Emergence | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | | | |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | | | |
| Trt Treatment No. Name | Other Rate | Other Rate Unit | Appl Code | 34* | 35* | 36* | 37* | 38* |
| 11 MON 62102 | 40 fl oz/a | | B | | | | | |
| 11 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | |
| 11 ATRAZINE | 1 qt/a | | B | | | | | |
| 11 N-PAK AMS LIQUID | | | B | | | | | |
| 12 HALEX GT | 1.8 qt/a | | B | | | | | |
| 12 ATRAZINE | 1 qt/a | | B | | | | | |
| 12 PREFERENCE | | | B | | | | | |
| 12 N-PAK AMS LIQUID | | | B | | | | | |
| 13 MON 301144 | 40 fl oz/a | | B | | | | | |
| 13 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | |
| 13 N-PAK AMS LIQUID | | | B | | | | | |
| 14 MON 301144 | 40 fl oz/a | | B | | | | | |
| 14 ATRAZINE | 1 qt/a | | B | | | | | |
| 14 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | |
| 14 N-PAK AMS LIQUID | | | B | | | | | |
| 15 RESICORE | 1.25 qt/a | | B | | | | | |
| 15 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | |
| 15 N-PAK AMS LIQUID | | | B | | | | | |
| 16 CAPRENO | 3 fl oz/a | | B | | | | | |
| 16 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | |
| 16 N-PAK AMS LIQUID | | | B | | | | | |
| 16 SUPERB HC | | | B | | | | | |
| LSD P=.05 | 8.0 | 2.2 | 0.5 | 0.4 | . | | | |
| Standard Deviation | 4.6 | 1.3 | 0.3 | 0.2 | 0.0 | | | |
| CV | 5.1 | 1.28 | 0.28 | 0.2 | 0.0 | | | |
| Bartlett's X2 | 1.347 | 3.318 | 0.0 | 0.0 | 0.0 | | | |
| P(Bartlett's X2) | 0.987 | 0.345 | . | . | . | | | |
| Skewness | -0.2154 | -1.3705* | -2.4219* | -4.899* | . | | | |
| Kurtosis | -1.6073 | 2.7294* | 4.2103* | 24.0* | . | | | |
| Replicate F | 17.048 | 0.104 | 1.615 | 1.000 | 0.000 | | | |
| Replicate Prob(F) | 0.0002 | 0.9015 | 0.2338 | 0.3927 | 1.0000 | | | |
| Treatment F | 1.216 | 0.922 | 2.385 | 1.000 | 0.000 | | | |
| Treatment Prob(F) | 0.3566 | 0.5189 | 0.0788 | 0.4706 | 1.0000 | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|-----------------|-----------------|--------------|-----------------|----------------|---------------|
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | SETFA |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 | 7-4-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 28 21 | 28 21 | 28 21 | 28 21 | 28 21 | 35 28 |
| Trt-Eval Interval | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-B |
| Days After Emergence | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | 55 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit Code | 39* | 40* | 41* | 42* | 43* | 44* |
|---------|------------------|------------|------------|----------------|-------|------|-------|-------|-------|------|
| 1 | MON 62102 | 40 fl oz/a | | A | 98 - | 97 - | 99 - | 100 - | 100 - | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | 99 - | 98 - | 99 - | 100 - | 100 - | |
| 2 | PREFERENCE | | | A | | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | 100 - | 98 - | 100 - | 100 - | 100 - | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | 100 - | 99 - | 100 - | 100 - | 100 - | |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 4 | PREFERENCE | | | A | | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | 99 - | 98 - | 100 - | 100 - | 100 - | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | 100 - | 99 - | 100 - | 100 - | 100 - | |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | 99 - | 97 - | 100 - | 99 - | 100 - | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | 97 - | 97 - | 100 - | 100 - | 100 - | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | SUPERB HC | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | | | | | | 75 b |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | | | | | | 75 b |
| 10 | PREFERENCE | | | B | | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|--------------------|--------------------|-----------------|--------------------|-------------------|---------------|
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | SETFA |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 | 6-27-2017 | 7-4-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 28 21 | 28 21 | 28 21 | 28 21 | 28 21 | 35 28 |
| Trt-Eval Interval | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-A | 28 DA-B |
| Days After Emergence | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | 48 DE-1 | 55 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 39* | 40* | 41* | 42* | 43* | 44* |
|--------------------|------------------|------------|-----------------|-----------|---------|---------|----------|----------|--------|---------|
| 11 | MON 62102 | 40 fl oz/a | | B | | | | | | 78 b |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | | | | | | 75 b |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | | | | | | 78 b |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | | | | | | 75 b |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | | | | | | 77 b |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | | | | | | 90 a |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD P=.05 | | 1.9 | | | 1.9 | 2.0 | 1.1 | 0.9 | . | 7.0 |
| Standard Deviation | | 1.1 | | | 1.1 | 1.1 | 0.6 | 0.5 | 0.0 | 4.0 |
| CV | | 1.08 | | | 1.15 | 1.15 | 0.63 | 0.49 | 0.0 | 5.12 |
| Bartlett's X2 | | 4.552 | | | 2.277 | 2.277 | 3.803 | 1.349 | 0.0 | 2.542 |
| P(Bartlett's X2) | | 0.473 | | | 0.81 | 0.81 | 0.433 | 0.509 | . | 0.864 |
| Skewness | | -1.5986* | | | 0.6338 | 0.6338 | -2.4626* | -3.0678* | . | 0.3873 |
| Kurtosis | | 3.2027* | | | -0.6837 | -0.6837 | 7.3363* | 9.4581* | . | -0.7881 |
| Replicate F | | 0.330 | | | 0.396 | 0.396 | 2.194 | 1.195 | 0.000 | 8.701 |
| Replicate Prob(F) | | 0.7245 | | | 0.6802 | 0.6802 | 0.1483 | 0.3317 | 1.0000 | 0.0035 |
| Treatment F | | 2.429 | | | 1.354 | 1.354 | 1.537 | 0.780 | 0.000 | 4.897 |
| Treatment Prob(F) | | 0.0746 | | | 0.2974 | 0.2974 | 0.2334 | 0.6142 | 1.0000 | 0.0056 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
Protocol ID: 17MONPOST
Project ID: 2107-01-24-03

Location: Trial Year: 2017
Investigator: Dr. Mark M. Loux
Study Director: Greg Elmore
Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | | | | |
|-------------------------------|-----------------|---------------|-----------------|----------------|---------------|-----|-----|-----|-----|
| Pest Code | ECHCG | AMBTR | CHEAL | ABUTH | HIBTR | | | | |
| Pest Name | Common barnyar> | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow | | | | |
| Crop Code | | | | | | | | | |
| Crop Name | | | | | | | | | |
| Rating Date | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTR | CONTRO | | | | |
| Rating Unit | % | % | % | % | % | | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | | | |
| Days After First/Last Applic. | 35 28 | 35 28 | 35 28 | 35 28 | 35 28 | | | | |
| Trt-Eval Interval | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | | | | |
| Days After Emergence | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | | | | |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | | | | |
| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit Code | 45* | 46* | 47* | 48* | 49* |

| | | | | | | | | | |
|----|------------------|------------|--|---|------|-------|-------|-------|-------|
| 1 | MON 62102 | 40 fl oz/a | | A | | | | | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | | | | | |
| 2 | PREFERENCE | | | A | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | | | | | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | | | | | |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | |
| 4 | PREFERENCE | | | A | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | | | | | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | | | | | |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | | | | | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | | | | | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | |
| 8 | SUPERB HC | | | A | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | 70 b | 100 - | 96 - | 100 - | 99 - |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | 72 b | 99 - | 100 - | 100 - | 100 - |
| 10 | PREFERENCE | | | B | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | | | | |
|-------------------------------|------------------|---------------|-----------------|------------|---------------|----------|----------|---------|---------|
| Pest Code | ECHCG | AMBTR | CHEAL | ABUTH | HIBTR | | | | |
| Pest Name | Common barnyar> | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow | | | | |
| Crop Code | | | | | | | | | |
| Crop Name | | | | | | | | | |
| Rating Date | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTR O | CONTRO | | | | |
| Rating Unit | % | % | % | % | % | | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | | | |
| Days After First/Last Applic. | 35 28 | 35 28 | 35 28 | 35 28 | 35 28 | | | | |
| Trt-Eval Interval | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | | | | |
| Days After Emergence | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | | | | |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | | | | |
| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 45* | 46* | 47* | 48* | 49* |
| 11 | MON 62102 | 40 fl oz/a | | B | 73 b | 100 - | 100 - | 100 - | 100 - |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 70 b | 100 - | 99 - | 100 - | 100 - |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | |
| 12 | PREFERENCE | | | B | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 75 b | 100 - | 95 - | 100 - | 100 - |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 73 b | 100 - | 99 - | 100 - | 100 - |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | 72 b | 99 - | 95 - | 100 - | 100 - |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 90 a | 99 - | 96 - | 100 - | 100 - |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | |
| 16 | SUPERB HC | | | B | | | | | |
| LSD P=.05 | | | | | 8.0 | 1.2 | 8.8 | 0.4 | 0.7 |
| Standard Deviation | | | | | 4.6 | 0.7 | 5.0 | 0.2 | 0.4 |
| CV | | | | | 6.14 | 0.71 | 5.14 | 0.2 | 0.41 |
| Bartlett's X2 | | | | | 4.779 | 1.07 | 19.666 | 0.0 | 0.0 |
| P(Bartlett's X2) | | | | | 0.443 | 0.784 | 0.003* | . | . |
| Skewness | | | | | 1.0047* | -2.1368* | -2.0552* | -4.899* | -4.899* |
| Kurtosis | | | | | 0.095 | 3.0192* | 2.9033* | 24.0* | 24.0* |
| Replicate F | | | | | 4.200 | 1.565 | 1.135 | 1.000 | 1.000 |
| Replicate Prob(F) | | | | | 0.0373 | 0.2436 | 0.3494 | 0.3927 | 0.3927 |
| Treatment F | | | | | 6.164 | 0.647 | 0.588 | 1.000 | 1.000 |
| Treatment Prob(F) | | | | | 0.0020 | 0.7115 | 0.7556 | 0.4706 | 0.4706 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|--------------------|--------------------|-----------------|--------------------|-------------------|------------------|
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | SETFA |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-24-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 35 28 | 35 28 | 35 28 | 35 28 | 35 28 | 55 48 |
| Trt-Eval Interval | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | 55 DA-A |
| Days After Emergence | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | 75 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate | Appl Unit | Code | 50* | 51* | 52* | 53* | 54* | 55* |
|---------|---------------------|------------|------------|-----------|------|------|------|------|-------|-------|------|
| 1 | MON 62102 | 40 fl oz/a | | | A | | | | | | 78 - |
| | 1 ROUNDUP POWERMAX | 27 fl oz/a | | | A | | | | | | |
| | 1 N-PAK AMS LIQUID | | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | | A | | | | | | 82 - |
| | 2 PREFERENCE | | | | A | | | | | | |
| | 2 N-PAK AMS LIQUID | | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | | A | | | | | | 73 - |
| | 3 ROUNDUP POWERMAX | 27 fl oz/a | | | A | | | | | | |
| | 3 ATRAZINE | 1 qt/a | | | A | | | | | | |
| | 3 N-PAK AMS LIQUID | | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | | A | | | | | | 73 - |
| | 4 ATRAZINE | 1 qt/a | | | A | | | | | | |
| | 4 PREFERENCE | | | | A | | | | | | |
| | 4 N-PAK AMS LIQUID | | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | | A | | | | | | 75 - |
| | 5 ROUNDUP POWERMAX | 32 fl oz/a | | | A | | | | | | |
| | 5 N-PAK AMS LIQUID | | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | | A | | | | | | 82 - |
| | 6 ATRAZINE | 1 qt/a | | | A | | | | | | |
| | 6 ROUNDUP POWERMAX | 32 fl oz/a | | | A | | | | | | |
| | 6 N-PAK AMS LIQUID | | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | | A | | | | | | 72 - |
| | 7 ROUNDUP POWERMAX | 27 fl oz/a | | | A | | | | | | |
| | 7 N-PAK AMS LIQUID | | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | | A | | | | | | 77 - |
| | 8 ROUNDUP POWERMAX | 32 fl oz/a | | | A | | | | | | |
| | 8 N-PAK AMS LIQUID | | | | A | | | | | | |
| | 8 SUPERB HC | | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | | B | 99 - | 99 - | 98 - | 100 - | 100 - | |
| | 9 ROUNDUP POWERMAX | 27 fl oz/a | | | B | | | | | | |
| | 9 N-PAK AMS LIQUID | | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | | B | 99 - | 99 - | 99 - | 100 - | 100 - | |
| | 10 PREFERENCE | | | | B | | | | | | |
| | 10 N-PAK AMS LIQUID | | | | B | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
Protocol ID: 17MONPOST
Project ID: 2107-01-24-03

Location: Trial Year: 2017
Investigator: Dr. Mark M. Loux
Study Director: Greg Elmore
Sponsor Contact:

| | | | | | | |
|-------------------------------|--------------------|--------------------|-----------------|--------------------|-------------------|------------------|
| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | AMARE | IPOHE | SIDSP | POLPY | AMBEL | SETFA |
| Pest Name | Redroot pigweed | ivy-leaf morni> | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-4-2017 | 7-24-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 35 28 | 35 28 | 35 28 | 35 28 | 35 28 | 55 48 |
| Trt-Eval Interval | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | 28 DA-B | 55 DA-A |
| Days After Emergence | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | 55 DE-1 | 75 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Unit | Appl Code | 50* | 51* | 52* | 53* | 54* | 55* |
|--------------------|------------------|------------|------------|-----------|----------|---------|---------|--------|--------|--------|
| 11 | MON 62102 | 40 fl oz/a | | B | 100 - | 99 - | 100 - | 100 - | 100 - | |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 99 - | 99 - | 99 - | 100 - | 100 - | |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 98 - | 99 - | 99 - | 100 - | 100 - | |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 100 - | 99 - | 99 - | 100 - | 100 - | |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | 97 - | 98 - | 99 - | 100 - | 100 - | |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 99 - | 98 - | 98 - | 100 - | 100 - | |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD | P=.05 | | | | 3.6 | 2.4 | 1.4 | . | . | 11.0 |
| Standard Deviation | | | | | 2.0 | 1.4 | 0.8 | 0.0 | 0.0 | 6.3 |
| CV | | | | | 2.06 | 1.4 | 0.78 | 0.0 | 0.0 | 8.21 |
| Bartlett's X2 | | | | | 13.349 | 3.112 | 1.937 | 0.0 | 0.0 | 6.026 |
| P(Bartlett's X2) | | | | | 0.02* | 0.874 | 0.925 | . | . | 0.537 |
| Skewness | | | | | -3.1602* | -0.3751 | -0.2098 | . | . | -0.759 |
| Kurtosis | | | | | 11.2139* | -1.3953 | -0.617 | . | . | 0.8905 |
| Replicate F | | | | | 3.495 | 0.350 | 0.208 | 0.000 | 0.000 | 3.989 |
| Replicate Prob(F) | | | | | 0.0587 | 0.7107 | 0.8147 | 1.0000 | 1.0000 | 0.0426 |
| Treatment F | | | | | 0.979 | 0.372 | 1.891 | 0.000 | 0.000 | 1.113 |
| Treatment Prob(F) | | | | | 0.4835 | 0.9039 | 0.1470 | 1.0000 | 1.0000 | 0.4073 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---------------|-----------------|------------|---------------|-----------------|-----------------|
| Pest Code | AMBTR | CHEAL | ABUTH | HIBTR | AMARE | IPOHE |
| Pest Name | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow | Redroot pigweed | ivy-leaf morri> |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 7-24-2017 | 7-24-2017 | 7-24-2017 | 7-24-2017 | 7-24-2017 | 7-24-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 55 48 | 55 48 | 55 48 | 55 48 | 55 48 | 55 48 |
| Trt-Eval Interval | 55 DA-A | 55 DA-A | 55 DA-A | 55 DA-A | 55 DA-A | 55 DA-A |
| Days After Emergence | 75 DE-1 | 75 DE-1 | 75 DE-1 | 75 DE-1 | 75 DE-1 | 75 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 56* | 57* | 58* | 59* | 60* | 61* | |
|---------|---------------------|------------|-----------------|-----------|------|-----|-------|-------|-------|--------|------|
| 1 | MON 62102 | 40 fl oz/a | | A | 82 - | | 98 - | 100 - | 98 - | 85 bc | 78 - |
| | 1 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | | |
| | 1 N-PAK AMS LIQUID | | | A | | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | 82 - | | 97 - | 100 - | 100 - | 82 c | 82 - |
| | 2 PREFERENCE | | | A | | | | | | | |
| | 2 N-PAK AMS LIQUID | | | A | | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | 87 - | | 100 - | 100 - | 100 - | 97 a | 90 - |
| | 3 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | | |
| | 3 ATRAZINE | 1 qt/a | | A | | | | | | | |
| | 3 N-PAK AMS LIQUID | | | A | | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | 97 - | | 98 - | 100 - | 100 - | 95 a | 87 - |
| | 4 ATRAZINE | 1 qt/a | | A | | | | | | | |
| | 4 PREFERENCE | | | A | | | | | | | |
| | 4 N-PAK AMS LIQUID | | | A | | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | 90 - | | 98 - | 100 - | 100 - | 92 ab | 78 - |
| | 5 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | | |
| | 5 N-PAK AMS LIQUID | | | A | | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | 90 - | | 100 - | 100 - | 100 - | 90 abc | 92 - |
| | 6 ATRAZINE | 1 qt/a | | A | | | | | | | |
| | 6 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | | |
| | 6 N-PAK AMS LIQUID | | | A | | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | 82 - | | 100 - | 100 - | 100 - | 95 a | 95 - |
| | 7 ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | | |
| | 7 N-PAK AMS LIQUID | | | A | | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | 77 - | | 96 - | 100 - | 100 - | 96 a | 75 - |
| | 8 ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | | |
| | 8 N-PAK AMS LIQUID | | | A | | | | | | | |
| | 8 SUPERB HC | | | A | | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | | | | | | | |
| | 9 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | | |
| | 9 N-PAK AMS LIQUID | | | B | | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | | | | | | | |
| | 10 PREFERENCE | | | B | | | | | | | |
| | 10 N-PAK AMS LIQUID | | | B | | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed | | | | |
|-------------------------------|------------------|-----------------|-----------------|---------------|-----------------|-----------------|-----|---------|---------|---------|
| Pest Code | AMBTR | CHEAL | ABUTH | HIBTR | AMARE | IPOHE | | | | |
| Pest Name | Giant ragweed | common lambsqu> | velvetleaf | Venice mallow | Redroot pigweed | ivy-leaf morri> | | | | |
| Crop Code | | | | | | | | | | |
| Crop Name | | | | | | | | | | |
| Rating Date | 7-24-2017 | 7-24-2017 | 7-24-2017 | 7-24-2017 | 7-24-2017 | 7-24-2017 | | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | | | |
| Rating Unit | % | % | % | % | % | % | | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| Days After First/Last Applic. | 55 48 | 55 48 | 55 48 | 55 48 | 55 48 | 55 48 | | | | |
| Trt-Eval Interval | 55 DA-A | 55 DA-A | 55 DA-A | 55 DA-A | 55 DA-A | 55 DA-A | | | | |
| Days After Emergence | 75 DE-1 | 75 DE-1 | 75 DE-1 | 75 DE-1 | 75 DE-1 | 75 DE-1 | | | | |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 56* | 57* | 58* | 59* | 60* | 61* |
| 11 | MON 62102 | 40 fl oz/a | | B | | | | | | |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 | N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | | | | | | |
| 12 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 | PREFERENCE | | | B | | | | | | |
| 12 | N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | | | | | | |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 | N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | | | | | | |
| 14 | ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 | N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | | | | | | |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | | | | | | |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 | N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | SUPERB HC | | | B | | | | | | |
| LSD P=.05 | | 16.2 | | | 3.5 | . | | 1.8 | 9.9 | 15.1 |
| Standard Deviation | | 9.2 | | | 2.0 | 0.0 | | 1.0 | 5.6 | 8.6 |
| CV | | 10.78 | | | 2.05 | 0.0 | | 1.02 | 6.15 | 10.21 |
| Bartlett's X2 | | 16.054 | | | 3.935 | 0.0 | | 0.0 | 6.081 | 8.942 |
| P(Bartlett's X2) | | 0.025* | | | 0.559 | . | | . | 0.53 | 0.257 |
| Skewness | | 0.1195 | | | -0.8373 | . | | -4.899* | -0.2337 | 0.034 |
| Kurtosis | | -1.3342 | | | -1.2678 | . | | 24.0* | -1.5168 | -0.3451 |
| Replicate F | | 2.344 | | | 1.799 | 0.000 | | 1.000 | 4.227 | 3.954 |
| Replicate Prob(F) | | 0.1324 | | | 0.2017 | 1.0000 | | 0.3927 | 0.0366 | 0.0435 |
| Treatment F | | 1.423 | | | 1.551 | 0.000 | | 1.000 | 2.921 | 2.132 |
| Treatment Prob(F) | | 0.2713 | | | 0.2294 | 1.0000 | | 0.4706 | 0.0417 | 0.1080 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| | | | | | | |
|-------------------------------|--------------|-----------------|----------------|---------------|---------------|-----------------|
| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | SIDSP | POLPY | AMBEL | SETFA | AMBTR | CHEAL |
| Pest Name | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail | Giant ragweed | common lambsqu> |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 7-24-2017 | 7-24-2017 | 7-24-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 55 48 | 55 48 | 55 48 | 63 56 | 63 56 | 63 56 |
| Trt-Eval Interval | 55 DA-A | 55 DA-A | 55 DA-A | 56 DA-B | 56 DA-B | 56 DA-B |
| Days After Emergence | 75 DE-1 | 75 DE-1 | 75 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 62* | 63* | 64* | 65* | 66* | 67* |
|---------|------------------|------------|-----------------|-----------|--------|-------|-------|-------|--------|------|
| 1 | MON 62102 | 40 fl oz/a | | A | 86 bc | 100 - | 100 - | | | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | 82 c | 93 - | 100 - | | | |
| 2 | PREFERENCE | | | A | | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | 98 ab | 100 - | 100 - | | | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | 96 ab | 100 - | 100 - | | | |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 4 | PREFERENCE | | | A | | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | 90 abc | 100 - | 100 - | | | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | 98 a | 100 - | 100 - | | | |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | 98 ab | 100 - | 100 - | | | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | 98 a | 100 - | 100 - | | | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | SUPERB HC | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | | | | 72 ab | 83 bc | 94 - |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | | | | 65 bc | 87 abc | 94 - |
| 10 | PREFERENCE | | | B | | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed | | | |
|-------------------------------|--------------|-----------------|----------------|---------------|---------------|-----------------|---------|---------|----------|
| Pest Code | SIDSP | POLPY | AMBEL | SETFA | AMBTR | CHEAL | | | |
| Pest Name | Prickly sida | annual smartwe> | Common ragweed | Giant foxtail | Giant ragweed | common lambsqu> | | | |
| Crop Code | | | | | | | | | |
| Crop Name | | | | | | | | | |
| Rating Date | 7-24-2017 | 7-24-2017 | 7-24-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | | |
| Rating Unit | % | % | % | % | % | % | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Days After First/Last Applic. | 55 48 | 55 48 | 55 48 | 63 56 | 63 56 | 63 56 | | | |
| Trt-Eval Interval | 55 DA-A | 55 DA-A | 55 DA-A | 56 DA-B | 56 DA-B | 56 DA-B | | | |
| Days After Emergence | 75 DE-1 | 75 DE-1 | 75 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 | | | |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Trt No. Name | Other Rate | Other Rate | Appl Unit Code | 62* | 63* | 64* | 65* | 66* | 67* |
| 11 MON 62102 | 40 fl oz/a | | B | | | | 72 ab | 95 a | 98 - |
| 11 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 11 ATRAZINE | 1 qt/a | | B | | | | | | |
| 11 N-PAK AMS LIQUID | | | B | | | | | | |
| 12 HALEX GT | 1.8 qt/a | | B | | | | 58 c | 92 ab | 99 - |
| 12 ATRAZINE | 1 qt/a | | B | | | | | | |
| 12 PREFERENCE | | | B | | | | | | |
| 12 N-PAK AMS LIQUID | | | B | | | | | | |
| 13 MON 301144 | 40 fl oz/a | | B | | | | 62 bc | 88 abc | 93 - |
| 13 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 13 N-PAK AMS LIQUID | | | B | | | | | | |
| 14 MON 301144 | 40 fl oz/a | | B | | | | 72 ab | 92 ab | 98 - |
| 14 ATRAZINE | 1 qt/a | | B | | | | | | |
| 14 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 14 N-PAK AMS LIQUID | | | B | | | | | | |
| 15 RESICORE | 1.25 qt/a | | B | | | | 63 bc | 80 c | 86 - |
| 15 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 15 N-PAK AMS LIQUID | | | B | | | | | | |
| 16 CAPRENO | 3 fl oz/a | | B | | | | 78 a | 78 c | 85 - |
| 16 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| 16 N-PAK AMS LIQUID | | | B | | | | | | |
| 16 SUPERB HC | | | B | | | | | | |
| LSD P=.05 | | 11.7 | | 7.1 | | . | 11.8 | 10.8 | 13.6 |
| Standard Deviation | | 6.7 | | 4.1 | | 0.0 | 6.8 | 6.2 | 7.8 |
| CV | | 7.17 | | 4.12 | | 0.0 | 9.98 | 7.09 | 8.31 |
| Bartlett's X2 | | 19.324 | | 0.0 | | 0.0 | 6.31 | 4.966 | 17.965 |
| P(Bartlett's X2) | | 0.007* | | . | | . | 0.504 | 0.664 | 0.012* |
| Skewness | | -1.4722* | | -4.899* | | . | 0.0977 | -0.1805 | -1.7046* |
| Kurtosis | | 1.381 | | 24.0* | | . | -0.4337 | -0.4257 | 2.4368* |
| Replicate F | | 0.928 | | 1.000 | | 0.000 | 0.844 | 2.224 | 0.799 |
| Replicate Prob(F) | | 0.4185 | | 0.3927 | | 1.0000 | 0.4509 | 0.1450 | 0.4694 |
| Treatment F | | 2.831 | | 1.000 | | 0.000 | 2.915 | 2.788 | 1.325 |
| Treatment Prob(F) | | 0.0463 | | 0.4706 | | 1.0000 | 0.0420 | 0.0486 | 0.3091 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
 Protocol ID: 17MONPOST
 Project ID: 2107-01-24-03

Location: Trial Year: 2017
 Investigator: Dr. Mark M. Loux
 Study Director: Greg Elmore
 Sponsor Contact:

| | | | | | | |
|-------------------------------|------------|---------------|--------------------------|----------|--------------|-----------------|
| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | ABUTH | HIBTR | AMARE | IPOHE | SIDSP | POLPY |
| Pest Name | velvetleaf | Venice mallow | Redroot ivy-leaf pigweed | morni> | Prickly sida | annual smartwe> |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 8-1-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 |
| Rating Type | CONTR | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | O | | | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 63 56 | 63 56 | 63 56 | 63 56 | 63 56 | 63 56 |
| Trt-Eval Interval | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B |
| Days After Emergence | 83 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 68* | 69* | 70* | 71* | 72* | 73* |
|---------|------------------|------------|-----------------|-----------|-------|-------|------|------|------|-------|
| 1 | MON 62102 | 40 fl oz/a | | A | | | | | | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 1 | N-PAK AMS LIQUID | | | A | | | | | | |
| 2 | HALEX GT | 1.8 qt/a | | A | | | | | | |
| 2 | PREFERENCE | | | A | | | | | | |
| 2 | N-PAK AMS LIQUID | | | A | | | | | | |
| 3 | MON 62102 | 40 fl oz/a | | A | | | | | | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 3 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 3 | N-PAK AMS LIQUID | | | A | | | | | | |
| 4 | HALEX GT | 1.8 qt/a | | A | | | | | | |
| 4 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 4 | PREFERENCE | | | A | | | | | | |
| 4 | N-PAK AMS LIQUID | | | A | | | | | | |
| 5 | MON301144 | 40 fl oz/a | | A | | | | | | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 5 | N-PAK AMS LIQUID | | | A | | | | | | |
| 6 | MON 301144 | 40 fl oz/a | | A | | | | | | |
| 6 | ATRAZINE | 1 qt/a | | A | | | | | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 6 | N-PAK AMS LIQUID | | | A | | | | | | |
| 7 | RESICORE | 1.25 qt/a | | A | | | | | | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | | | | | |
| 7 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | CAPRENO | 3 fl oz/a | | A | | | | | | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | | | | | |
| 8 | N-PAK AMS LIQUID | | | A | | | | | | |
| 8 | SUPERB HC | | | A | | | | | | |
| 9 | MON 62102 | 40 fl oz/a | | B | 100 - | 100 - | 80 - | 80 a | 88 - | 98 - |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| 9 | N-PAK AMS LIQUID | | | B | | | | | | |
| 10 | HALEX GT | 1.8 qt/a | | B | 100 - | 100 - | 82 - | 77 a | 93 - | 100 - |
| 10 | PREFERENCE | | | B | | | | | | |
| 10 | N-PAK AMS LIQUID | | | B | | | | | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST
Protocol ID: 17MONPOST
Project ID: 2107-01-24-03

Location: Trial Year: 2017
Investigator: Dr. Mark M. Loux
Study Director: Greg Elmore
Sponsor Contact:

| | | | | | | |
|-------------------------------|------------|---------------|--------------------------|----------|--------------|-----------------|
| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | ABUTH | HIBTR | AMARE | IPOHE | SIDSP | POLPY |
| Pest Name | velvetleaf | Venice mallow | Redroot ivy-leaf pigweed | morni> | Prickly sida | annual smartwe> |
| Crop Code | | | | | | |
| Crop Name | | | | | | |
| Rating Date | 8-1-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 | 8-1-2017 |
| Rating Type | CONTR | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | O | | | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 63 56 | 63 56 | 63 56 | 63 56 | 63 56 | 63 56 |
| Trt-Eval Interval | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B | 56 DA-B |
| Days After Emergence | 83 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 | 83 DE-1 |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 | 0 |

| Trt No. Name | Treatment | Other Rate | Other Rate Unit | Appl Code | 68* | 69* | 70* | 71* | 72* | 73* |
|--------------------|---------------------|------------|-----------------|-----------|--------|--------|---------|----------|---------|----------|
| 11 | MON 62102 | 40 fl oz/a | | B | 100 - | 100 - | 92 - | 85 a | 96 - | 100 - |
| | 11 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| | 11 ATRAZINE | 1 qt/a | | B | | | | | | |
| | 11 N-PAK AMS LIQUID | | | B | | | | | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 100 - | 100 - | 87 - | 83 a | 88 - | 98 - |
| | 12 ATRAZINE | 1 qt/a | | B | | | | | | |
| | 12 PREFERENCE | | | B | | | | | | |
| | 12 N-PAK AMS LIQUID | | | B | | | | | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 100 - | 100 - | 80 - | 82 a | 78 - | 93 - |
| | 13 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| | 13 N-PAK AMS LIQUID | | | B | | | | | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 100 - | 100 - | 93 - | 78 a | 85 - | 97 - |
| | 14 ATRAZINE | 1 qt/a | | B | | | | | | |
| | 14 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| | 14 N-PAK AMS LIQUID | | | B | | | | | | |
| 15 | RESICORE | 1.25 qt/a | | B | 100 - | 100 - | 77 - | 63 b | 85 - | 92 - |
| | 15 ROUNDUP POWERMAX | 27 fl oz/a | | B | | | | | | |
| | 15 N-PAK AMS LIQUID | | | B | | | | | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 100 - | 100 - | 88 - | 77 a | 77 - | 100 - |
| | 16 ROUNDUP POWERMAX | 32 fl oz/a | | B | | | | | | |
| | 16 N-PAK AMS LIQUID | | | B | | | | | | |
| | 16 SUPERB HC | | | B | | | | | | |
| LSD P=.05 | | | | | | | 12.7 | 9.1 | 15.6 | 10.5 |
| Standard Deviation | | | | | 0.0 | 0.0 | 7.2 | 5.2 | 8.9 | 6.0 |
| CV | | | | | 0.0 | 0.0 | 8.55 | 6.62 | 10.31 | 6.18 |
| Bartlett's X2 | | | | | 0.0 | 0.0 | 3.492 | 1.934 | 6.907 | 7.287 |
| P(Bartlett's X2) | | | | | . | . | 0.745 | 0.963 | 0.439 | 0.121 |
| Skewness | | | | | . | . | 0.2707 | -1.0579* | 0.2956 | -2.6979* |
| Kurtosis | | | | | . | . | -0.3124 | 0.9294 | -1.7187 | 6.749* |
| Replicate F | | | | | 0.000 | 0.000 | 0.139 | 0.467 | 0.963 | 3.831 |
| Replicate Prob(F) | | | | | 1.0000 | 1.0000 | 0.8716 | 0.6365 | 0.4056 | 0.0471 |
| Treatment F | | | | | 0.000 | 0.000 | 2.105 | 5.017 | 1.638 | 0.852 |
| Treatment Prob(F) | | | | | 1.0000 | 1.0000 | 0.1118 | 0.0051 | 0.2045 | 0.5647 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

Pest Type W Weed
 Pest Code AMBEL
 Pest Name Common ragweed

 Crop Code
 Crop Name
 Rating Date 8-1-2017
 Rating Type CONTRO
 Rating Unit %
 Number of Subsamples 1 1
 Days After First/Last Applic. 63 56
 Trt-Eval Interval 56 DA-B
 Days After Emergence 83 DE-1
 Number of Decimals 0

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 74* | 75 |
|---------|------------------|------------|-----------------|-----------|-------|----|
| 1 | MON 62102 | 40 fl oz/a | | A | | |
| 1 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | |
| 1 | N-PAK AMS LIQUID | | | A | | |
| 2 | HALEX GT | 1.8 qt/a | | A | | |
| 2 | PREFERENCE | | | A | | |
| 2 | N-PAK AMS LIQUID | | | A | | |
| 3 | MON 62102 | 40 fl oz/a | | A | | |
| 3 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | |
| 3 | ATRAZINE | 1 qt/a | | A | | |
| 3 | N-PAK AMS LIQUID | | | A | | |
| 4 | HALEX GT | 1.8 qt/a | | A | | |
| 4 | ATRAZINE | 1 qt/a | | A | | |
| 4 | PREFERENCE | | | A | | |
| 4 | N-PAK AMS LIQUID | | | A | | |
| 5 | MON301144 | 40 fl oz/a | | A | | |
| 5 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | |
| 5 | N-PAK AMS LIQUID | | | A | | |
| 6 | MON 301144 | 40 fl oz/a | | A | | |
| 6 | ATRAZINE | 1 qt/a | | A | | |
| 6 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | |
| 6 | N-PAK AMS LIQUID | | | A | | |
| 7 | RESICORE | 1.25 qt/a | | A | | |
| 7 | ROUNDUP POWERMAX | 27 fl oz/a | | A | | |
| 7 | N-PAK AMS LIQUID | | | A | | |
| 8 | CAPRENO | 3 fl oz/a | | A | | |
| 8 | ROUNDUP POWERMAX | 32 fl oz/a | | A | | |
| 8 | N-PAK AMS LIQUID | | | A | | |
| 8 | SUPERB HC | | | A | | |
| 9 | MON 62102 | 40 fl oz/a | | B | 100 - | |
| 9 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | |
| 9 | N-PAK AMS LIQUID | | | B | | |
| 10 | HALEX GT | 1.8 qt/a | | B | 100 - | |
| 10 | PREFERENCE | | | B | | |
| 10 | N-PAK AMS LIQUID | | | B | | |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
 Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
 Project ID: 2107-01-24-03 Study Director: Greg Elmore
 Sponsor Contact:

Pest Type W Weed
 Pest Code AMBEL
 Pest Name Common ragweed
 Crop Code
 Crop Name
 Rating Date 8-1-2017
 Rating Type CONTRO
 Rating Unit %
 Number of Subsamples 1 1
 Days After First/Last Applic. 63 56
 Trt-Eval Interval 56 DA-B
 Days After Emergence 83 DE-1
 Number of Decimals 0

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | 74* | 75 |
|---------|------------------|------------|-----------------|-----------|-----|----|
| 11 | MON 62102 | 40 fl oz/a | | B | 100 | - |
| 11 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | |
| 11 | ATRAZINE | 1 qt/a | | B | | |
| 11 | N-PAK AMS LIQUID | | | B | | |
| 12 | HALEX GT | 1.8 qt/a | | B | 100 | - |
| 12 | ATRAZINE | 1 qt/a | | B | | |
| 12 | PREFERENCE | | | B | | |
| 12 | N-PAK AMS LIQUID | | | B | | |
| 13 | MON 301144 | 40 fl oz/a | | B | 100 | - |
| 13 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | |
| 13 | N-PAK AMS LIQUID | | | B | | |
| 14 | MON 301144 | 40 fl oz/a | | B | 100 | - |
| 14 | ATRAZINE | 1 qt/a | | B | | |
| 14 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | |
| 14 | N-PAK AMS LIQUID | | | B | | |
| 15 | RESICORE | 1.25 qt/a | | B | 100 | - |
| 15 | ROUNDUP POWERMAX | 27 fl oz/a | | B | | |
| 15 | N-PAK AMS LIQUID | | | B | | |
| 16 | CAPRENO | 3 fl oz/a | | B | 100 | - |
| 16 | ROUNDUP POWERMAX | 32 fl oz/a | | B | | |
| 16 | N-PAK AMS LIQUID | | | B | | |
| 16 | SUPERB HC | | | B | | |

| | |
|--------------------|--------|
| LSD P=.05 | . . |
| Standard Deviation | 0.0 . |
| CV | 0.0 . |
| Bartlett's X2 | 0.0 . |
| P(Bartlett's X2) | . . |
| Skewness | . . |
| Kurtosis | . . |
| Replicate F | 0.000 |
| Replicate Prob(F) | 1.0000 |
| Treatment F | 0.000 |
| Treatment Prob(F) | 1.0000 |

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,19,20,24,26,28,31,32,38,43,53,54,58,64,68,69,74,75 because error mean square = 0.

The Ohio State University

Mesotrione plus Acetochlor Premix one pass POST

Trial ID: 17MONPOST Location: Trial Year: 2017
Protocol ID: 17MONPOST Investigator: Dr. Mark M. Loux
Project ID: 2107-01-24-03 Study Director: Greg Elmore
Sponsor Contact:

Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

Pest Code

SETFA, Setaria faberi, Giant foxtail = US
AMBTR, Ambrosia trifida, Giant ragweed = US
CHEAL, Chenopodium album, common lambsquarters = US
ABUTH, Abutilon theophrasti, velvetleaf = US
HIBTR, Hibiscus trionum, Venice mallow = US
AMARE, Amaranthus retroflexus, Redroot pigweed = US
IPOHE, Ipomoea hederacea, ivy-leaf morning glory = US
SIDSP, Sida spinosa, Prickly sida = US
POLPY, Persicaria pensylvanica, annual smartweed = US
AMBEL, Ambrosia artemisiifolia, Common ragweed = US
ECHCG, Echinochloa crus-galli, Common barnyard grass = US

Crop Code

ZEAMX, BCOR, Zea mays, Corn = US

Rating Type

PHYNEC = phytotoxicity - necrosis /burn
PHYBLE = phytotoxicity - bleaching
CONTRO = control / burndown or knockdown

Rating Unit

% = percent