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Winfield United Soil Residual + Post Program with Xtendimax and AG16098, Class Act Ridion or Iconic

Trial ID: 17 EXTENDADJ Location: Various Trial Year: 2017
 Protocol ID: 17-EXT-Adj-GPHR Xtdmx-MKT Investigator: Dr. Mark M. Loux
 Project ID: 17-EXT-Adj-GPHR Xtdmx-MKT Study Director: Bryan Reeb
 Sponsor Contact: Tom Hayden, United Suppliers

General Trial Information

Study Director: Bryan Reeb
Investigator: Dr. Mark M. Loux

Planned Completion Date: Nov-15-2017

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 °: 39.85869 N
Longitude of LL Corner °: 83.67191 W
Altitude of LL Corner, Unit: 1057.00 FT

Conducted Under GLP: No
Conducted Under GEP: No

Objectives:

To look at Winfield United Soil residual herbicides followed by Xtendimax in combination with AG16098, Iconic or Class Act Ridion for weed control in Xtend Soybean.

Contacts

Study Director: Bryan Reeb
Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: Asgrow AG36X6
Description: Dicamba Tolerant

Planting Rate, Unit: 175000 P/A **Planting Date:** May-17-2017
Depth, Unit: 1 IN **Planting Method:** PLANTD planted
Row Spacing, Unit: 15 IN **Planting Equipment:** FE Field Equipment
Soil Moisture: GOOD good **Emergence Date:** May-29-2017

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Pest Description

- Pest 1 Type:** W **Code:** STEME *Stellaria media*
Common Name: Common chickweed
- Pest 2 Type:** W **Code:** ERYRE *Erysimum repandum*
Common Name: Bushy wallflower
- Pest 3 Type:** W **Code:** SENGL *Senecio glabellus*
Common Name: Cressleaf groundsel
- Pest 4 Type:** W **Code:** VERAG *Veronica agrestis*
Common Name: Field speedwell
- Pest 5 Type:** W **Code:** ERICA *Erigeron canadensis*
Common Name: Canada horseweed
- Pest 6 Type:** W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed
- Pest 7 Type:** W **Code:** SENGL *Senecio glabellus*
Common Name: Cressleaf groundsel
- Pest 8 Type:** W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail
- Pest 9 Type:** W **Code:** CHEAL *Chenopodium album*
Common Name: common lambsquarters
- Pest10 Type:** W **Code:** IPOHE *Ipomoea hederacea*
Common Name: ivy-leaf morning glory
- Pest11 Type:** W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed
- Pest12 Type:** W **Code:** TARSS *Taraxacum sp.*
Common Name: Dandelion

Site and Design

Treated Plot Width: 10 FT
Treated Plot Length: 30 FT
Treated Plot Area: 300 FT2
Replications: 3

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: NOTILL no-till
Study Design: RACOB� Randomized Complete Block (RCB)

Treatments: 10

Soil Description

Description Name: F-10 East
% OM: 3
pH: 6
CEC: 19.5

Texture: SICL silty clay loam
Soil Name: Kokomo
Fert. Level: G good
Soil Drainage: G good

Application Description

| | A | B |
|-------------------------------------|------------|-------------|
| Application Date: | May-3-2017 | Jun-8-2017 |
| Appl. Start Time: | 10:15 AM | 9:28 AM |
| Appl. Stop Time: | 11:00 AM | 9:45 AM |
| Application Method: | SPRAY | SPRAY |
| Application Placement: | BROSOL | BROFOL |
| Applied By: | LAMB | REEB |
| Air Temperature, Unit: | 46 F | 63 F |
| % Relative Humidity: | 62 | 65 |
| Wind Velocity, Unit: | 7 MPH | 8 MPH |
| Wind Direction: | N | SE |
| Dew Presence (Y/N): | N no | N no |
| Soil Temperature, Unit: | 50 F | 59 F |
| Soil Moisture: | SLIWET | SLIDRY |
| % Cloud Cover: | 90 | 40 |
| Next Moisture Occurred On: | May-4-2017 | Jun-13-2017 |
| Time to Next Moisture, Unit: | 1 DAY | 5 DAY |

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Crop Stage At Each Application

| | A | B |
|---------------------------------|------------|------------|
| Crop 1 Code, BBCH Scale: | GLXMA BSOY | GLXMA BSOY |
| Stage Scale Used: | | BBCH |
| Stage Majority, Percent: | 12 | 100 |
| Height, Unit: | 4 | IN |

Pest Stage At Each Application

| | A | B |
|----------------------------------|---------|---------|
| Pest 1 Code, Type, Scale: | STEME W | STEME W |
| Stage Majority, Percent: | 69 | 100 |
| Diameter, Unit: | 12 | IN |
| Height, Unit: | 3 | IN |
| Height Minimum, Maximum: | 2 | 4 |
| Density, Unit: | 3 | m2 |
| Pest 2 Code, Type, Scale: | ERYRE W | ERYRE W |
| Stage Majority, Percent: | 89 | 100 |
| Height, Unit: | 12 | IN |
| Density, Unit: | 85 | m2 |
| Pest 3 Code, Type, Scale: | SENGL W | SENGL W |
| Stage Majority, Percent: | 65 | 100 |
| Height, Unit: | 17 | IN |
| Height Minimum, Maximum: | 15 | 20 |
| Density, Unit: | 7 | m2 |
| Pest 4 Code, Type, Scale: | VERAG W | VERAG W |
| Stage Majority, Percent: | 65 | 100 |
| Diameter, Unit: | 2 | IN |
| Height, Unit: | 3 | IN |
| Height Minimum, Maximum: | 2 | 3 |
| Density, Unit: | 65 | m2 |
| Pest 5 Code, Type, Scale: | ERICA W | ERICA W |
| Stage Majority, Percent: | 30 | 100 |
| Height, Unit: | 3 | IN |
| Height Minimum, Maximum: | 1 | 5 |
| Density, Unit: | 93 | m2 |
| Pest 6 Code, Type, Scale: | AMBTR W | AMBTR W |
| Stage Majority, Percent: | 15 | 100 |
| Height, Unit: | 4 | IN |
| Height Minimum, Maximum: | 4 | 5 |
| Density, Unit: | 1 | m2 |
| Pest 7 Code, Type, Scale: | SENGL W | SENGL W |
| Stage Majority, Percent: | | 63 |
| Height, Unit: | | 9 |
| Height Minimum, Maximum: | | 8 |
| Pest 8 Code, Type, Scale: | SETFA W | SETFA W |
| Stage Majority, Percent: | | 14 |
| Height, Unit: | | 3.5 |
| Height Minimum, Maximum: | | 3 |
| Pest 9 Code, Type, Scale: | CHEAL W | CHEAL W |
| Stage Majority, Percent: | | 15 |
| Height, Unit: | | 2 |
| Pest10 Code, Type, Scale: | IPOHE W | IPOHE W |
| Stage Majority, Percent: | | 18 |
| Height, Unit: | | 3 |
| Pest11 Code, Type, Scale: | AMARE W | AMARE W |
| Stage Majority, Percent: | | 17 |
| Height, Unit: | | 2.5 |
| Height Minimum, Maximum: | | 2 |
| Pest12 Code, Type, Scale: | TARSS W | TARSS W |
| Stage Majority, Percent: | | 59 |
| Diameter, Unit: | | 10 |
| Height, Unit: | | 5 |

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Application Equipment

| | A | B |
|----------------------------------|-------------|--------------|
| Appl. Equipment: | 6' BACKPACK | 10' BACKPACK |
| Equipment Type: | BACCAI | BACCAI |
| Operation Pressure, Unit: | 48 PSI | 46 PSI |
| Nozzle Type: | AIXR | TTI |
| Nozzle Size: | 11015 | 11015 |
| Nozzle Spacing, Unit: | 18 IN | 18 IN |
| Nozzles/Row: | 4 | 4 |
| Boom Length, Unit: | 6.67 FT | 10 FT |
| Boom Height, Unit: | 20 IN | 20 IN |
| Ground Speed, Unit: | 3 MPH | 3 MPH |
| Carrier: | WATER | WATER |
| Spray Volume, Unit: | 15 gal/ac | 15 gal/ac |
| Mix Size, Unit: | 1 liters | 2 liters |
| Propellant: | COMCO2 | COMCO2 |

| Date | By | Notes |
|-------------|------|---|
| Jul-24-2017 | Reeb | Overlaid with Roundup to clean up for harvest |

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Trial ID: 17 EXTENDADJ
 Protocol ID: 17-EXT-Adj-GPHR Xtdmx-MKT
 Project ID: 17-EXT-Adj-GPHR Xtdmx-MKT

Location: Various
 Investigator: Dr. Mark M. Loux
 Study Director: Bryan Reeb
 Sponsor Contact: Tom Hayden, United Suppliers

| Pest Type | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---|-------------|-------------|-------------|
| Pest Code | LAMPU | SENGL | ERYRE | STEME |
| Pest Name | Purple deadnet> Cressleaf grou> Bushy wallflow> Common chickwe> | | | |
| Crop Code | | | | |
| Crop Name | | | | |
| Rating Date | May-10-2017 | May-10-2017 | May-10-2017 | May-10-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 7 7 | 7 7 | 7 7 | 7 7 |
| Trt-Eval Interval | 7 DA-A | 7 DA-A | 7 DA-A | 7 DA-A |
| Days After Emergence | -19 DE-1 | -19 DE-1 | -19 DE-1 | -19 DE-1 |

| Trt No. | Treatment Name | Rate | Unit | Appl Code | 1 | 2 | 3 | 4 |
|---------|----------------------|-----------------|------|-----------|---------|--------|--------|---------|
| 1 | | | | | 0.0 d | 0.0 c | 0.0 c | 0.0 d |
| 2 | Interlock | 4 fl oz/a | | A | 100.0 a | 30.0 b | 20.0 b | 30.0 b |
| | 2 AGH15003 | 1.3 pt/a | | A | | | | |
| | 2 Rugged | 1 pt/a | | A | | | | |
| | 2 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | |
| | 2 Superb HC | 1 pt/a | | A | | | | |
| | 2 Class Act NG | 2.5 gal/100 gal | | A | | | | |
| | 2 Xtendimax | 22 fl oz/a | | B | | | | |
| | 2 AG16098 | 0.5 % v/v | | B | | | | |
| | 2 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| | 2 Class Act Ridion | 1 % v/v | | B | | | | |
| | 2 Interlock | 2 fl oz/a | | B | | | | |
| 3 | Interlock | 4 fl oz/a | | A | 100.0 a | 26.7 b | 16.7 b | 23.3 bc |
| | 3 AGH15003 | 1.3 pt/a | | A | | | | |
| | 3 Rugged | 1 pt/a | | A | | | | |
| | 3 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | |
| | 3 Superb HC | 1 pt/a | | A | | | | |
| | 3 Class Act NG | 2.5 gal/100 gal | | A | | | | |
| | 3 Xtendimax | 22 fl oz/a | | B | | | | |
| | 3 AG16098 | 0.5 % v/v | | B | | | | |
| | 3 Iconic | 0.5 % v/v | | B | | | | |
| | 3 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| 4 | Interlock | 4 fl oz/a | | A | 100.0 a | 26.7 b | 20.0 b | 23.1 bc |
| | 4 AGH15003 | 1.3 pt/a | | A | | | | |
| | 4 Shredder | 10.33 fl oz/a | | A | | | | |
| | 4 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | |
| | 4 Superb HC | 1 pt/a | | A | | | | |
| | 4 Class Act NG | 2.5 gal/100 gal | | A | | | | |
| | 4 Xtendimax | 22 fl oz/a | | B | | | | |
| | 4 AG16098 | 0.5 % v/v | | B | | | | |
| | 4 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| | 4 Class Act Ridion | 1 % v/v | | B | | | | |
| | 4 Interlock | 2 fl oz/a | | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

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| | | | | |
|-------------------------------|---|-------------|-------------|-------------|
| Pest Type | W Weed | W Weed | W Weed | W Weed |
| Pest Code | LAMPU | SENGL | ERYRE | STEME |
| Pest Name | Purple deadnet> Cressleaf grou> Bushy wallflow> Common chickwe> | | | |
| Crop Code | | | | |
| Crop Name | | | | |
| Rating Date | May-10-2017 | May-10-2017 | May-10-2017 | May-10-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 7 7 | 7 7 | 7 7 | 7 7 |
| Trt-Eval Interval | 7 DA-A | 7 DA-A | 7 DA-A | 7 DA-A |
| Days After Emergence | -19 DE-1 | -19 DE-1 | -19 DE-1 | -19 DE-1 |

| Trt Treatment No. Name | Rate | Rate Unit | Appl Code | 1 | 2 | 3 | 4 |
|------------------------|-----------------|-----------|-----------|---------|---------|---------|---------|
| 5 Interlock | 4 fl oz/a | | B | 93.3 b | 26.7 b | 20.0 b | 20.0 bc |
| 5 AGH15003 | 1.3 pt/a | | A | | | | |
| 5 Shredder | 10.33 fl oz/a | | A | | | | |
| 5 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | |
| 5 Superb HC | 1 pt/a | | A | | | | |
| 5 Class Act NG | 2.5 gal/100 gal | | A | | | | |
| 5 Xtendimax | 22 fl oz/a | | B | | | | |
| 5 AG16098 | 0.5 % v/v | | B | | | | |
| 5 Iconic | 0.5 % v/v | | B | | | | |
| 5 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| 6 Interlock | 4 fl oz/a | | A | 100.0 a | 100.0 a | 63.3 a | 53.1 a |
| 6 AGH15003 | 1.3 pt/a | | A | | | | |
| 6 Sharpen | 1.0 fl oz/a | | A | | | | |
| 6 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | |
| 6 Superb HC | 1 pt/a | | A | | | | |
| 6 Class Act NG | 2.5 gal/100 gal | | A | | | | |
| 6 Xtendimax | 22 fl oz/a | | B | | | | |
| 6 AG16098 | 0.5 % v/v | | B | | | | |
| 6 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| 6 Class Act Ridion | 1 % v/v | | B | | | | |
| 6 Interlock | 2 fl oz/a | | B | | | | |
| 7 Interlock | 4 fl oz/a | | B | 100.0 a | 100.0 a | 61.7 a | 56.7 a |
| 7 AGH15003 | 1.3 pt/a | | A | | | | |
| 7 Sharpen | 1.0 fl oz/a | | A | | | | |
| 7 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | |
| 7 Superb HC | 1 pt/a | | A | | | | |
| 7 Class Act NG | 2.5 gal/100 gal | | A | | | | |
| 7 Xtendimax | 22 fl oz/a | | B | | | | |
| 7 AG16098 | 0.5 % v/v | | B | | | | |
| 7 Iconic | 0.5 % v/v | | B | | | | |
| 7 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| 8 Roundup Power Max | 32 oz/a | | A | 80.0 c | 10.0 c | 10.0 bc | 10.0 cd |
| 8 N-pak ams | 2.5 % v/v | | A | | | | |
| 8 Xtendimax | 22 fl oz/a | | B | | | | |
| 8 AG16098 | 0.5 % v/v | | B | | | | |
| 8 Class Act Ridion | 1 % v/v | | B | | | | |
| 8 Roundup PowerMax | 21 fl oz/a | | B | | | | |
| 8 Interlock | 2 fl oz/a | | B | | | | |
| 9 Roundup Power Max | 32 oz/a | | A | 80.0 c | 10.0 c | 10.0 bc | 10.0 cd |
| 9 N-pak ams | 2.5 % v/v | | A | | | | |
| 9 Xtendimax | 22 fl oz/a | | B | | | | |
| 9 AG16098 | 0.5 % v/v | | B | | | | |
| 9 Iconic | 0.5 % v/v | | B | | | | |
| 9 Roundup PowerMax | 21 fl oz/a | | B | | | | |

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| | | | | | | | |
|-------------------------------|-----------|---|-------------|-------------|-------------|---------|---------|
| Pest Type | | W Weed | W Weed | W Weed | W Weed | | |
| Pest Code | | LAMPU | SENGL | ERYRE | STEME | | |
| Pest Name | | Purple deadnet> Cressleaf grou> Bushy wallflow> Common chickwe> | | | | | |
| Crop Code | | | | | | | |
| Crop Name | | | | | | | |
| Rating Date | | May-10-2017 | May-10-2017 | May-10-2017 | May-10-2017 | | |
| Rating Type | | CONTRO | CONTRO | CONTRO | CONTRO | | |
| Rating Unit | | % | % | % | % | | |
| Number of Subsamples | | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | | 7 7 | 7 7 | 7 7 | 7 7 | | |
| Trt-Eval Interval | | 7 DA-A | 7 DA-A | 7 DA-A | 7 DA-A | | |
| Days After Emergence | | -19 DE-1 | -19 DE-1 | -19 DE-1 | -19 DE-1 | | |
| Trt Treatment | Rate | Unit | Appl Code | 1 | 2 | 3 | 4 |
| No. Name | | | | | | | |
| 10 Roundup Power Max | 32 oz/a | A | | 80.0 c | 10.0 c | 10.0 bc | 10.0 cd |
| 10 N-pak ams | 2.5 % v/v | A | | | | | |
| 10 Roundup Power Max | 32 oz/a | B | | | | | |
| 10 N-pak ams | 2.5 % v/v | B | | | | | |
| LSD P=.05 | | | | 6.26 | 11.29 | 12.12 | 17.41 |
| Standard Deviation | | | | 3.65 | 6.58 | 7.06 | 10.06 |
| CV | | | | 4.38 | 19.36 | 30.49 | 42.59 |
| Bartlett's X2 | | | | 0.0 | 0.985 | 1.69 | 2.496 |
| P(Bartlett's X2) | | | | . | 0.805 | 0.89 | 0.777 |
| Replicate F | | | | 1.000 | 0.231 | 5.527 | 1.264 |
| Replicate Prob(F) | | | | 0.3874 | 0.7962 | 0.0134 | 0.3092 |
| Treatment F | | | | 211.667 | 90.564 | 28.217 | 10.311 |
| Treatment Prob(F) | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 |

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| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | | |
|-------------------------------|---|-------------|-------------|-------------|-------------|--------|----------|
| Pest Code | VERAG | ERICA | LAMPU | SENGL | ERYRE | | |
| Pest Name | Field speedwell Canada horsewe> Purple deadnet> Cressleaf grou> Bushy wallflow> | | | | | | |
| Crop Code | | | | | | | |
| Crop Name | | | | | | | |
| Rating Date | May-10-2017 | May-10-2017 | May-16-2017 | May-16-2017 | May-16-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 7 7 | 7 7 | 13 13 | 13 13 | 13 13 | | |
| Trt-Eval Interval | 7 DA-A | 7 DA-A | 13 DA-A | 13 DA-A | 13 DA-A | | |
| Days After Emergence | -19 DE-1 | -19 DE-1 | -13 DE-1 | -13 DE-1 | -13 DE-1 | | |
| Trt Treatment | Rate | Appl Code | 5 | 6 | 7 | 8 | 9 |
| No. Name | Rate Unit | Code | | | | | |
| 1 | | | 0.0 d | 0.0 c | 0.0 b | 0.0 b | 0.0 d |
| 2 Interlock | 4 fl oz/a | A | 26.7 b | 33.3 b | 100.0 a | 96.7 a | 90.0 abc |
| 2 AGH15003 | 1.3 pt/a | A | | | | | |
| 2 Rugged | 1 pt/a | A | | | | | |
| 2 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 2 Superb HC | 1 pt/a | A | | | | | |
| 2 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 2 Xtendimax | 22 fl oz/a | B | | | | | |
| 2 AG16098 | 0.5 % v/v | B | | | | | |
| 2 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 2 Class Act Ridion | 1 % v/v | B | | | | | |
| 2 Interlock | 2 fl oz/a | B | | | | | |
| 3 Interlock | 4 fl oz/a | A | 20.0 bc | 30.0 b | 100.0 a | 90.0 a | 86.7 abc |
| 3 AGH15003 | 1.3 pt/a | A | | | | | |
| 3 Rugged | 1 pt/a | A | | | | | |
| 3 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 3 Superb HC | 1 pt/a | A | | | | | |
| 3 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 3 Xtendimax | 22 fl oz/a | B | | | | | |
| 3 AG16098 | 0.5 % v/v | B | | | | | |
| 3 Iconic | 0.5 % v/v | B | | | | | |
| 3 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 4 Interlock | 4 fl oz/a | A | 26.7 b | 30.0 b | 100.0 a | 83.3 a | 81.7 abc |
| 4 AGH15003 | 1.3 pt/a | A | | | | | |
| 4 Shredder | 10.33 fl oz/a | A | | | | | |
| 4 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 4 Superb HC | 1 pt/a | A | | | | | |
| 4 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 4 Xtendimax | 22 fl oz/a | B | | | | | |
| 4 AG16098 | 0.5 % v/v | B | | | | | |
| 4 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 4 Class Act Ridion | 1 % v/v | B | | | | | |
| 4 Interlock | 2 fl oz/a | B | | | | | |

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| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | | |
|-------------------------------|---|-------------|-------------|-------------|-------------|---------|---------|
| Pest Code | VERAG | ERICA | LAMPU | SENGL | ERYRE | | |
| Pest Name | Field speedwell Canada horsewe> Purple deadnet> Cressleaf grou> Bushy wallflow> | | | | | | |
| Crop Code | | | | | | | |
| Crop Name | | | | | | | |
| Rating Date | May-10-2017 | May-10-2017 | May-16-2017 | May-16-2017 | May-16-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 7 7 | 7 7 | 13 13 | 13 13 | 13 13 | | |
| Trt-Eval Interval | 7 DA-A | 7 DA-A | 13 DA-A | 13 DA-A | 13 DA-A | | |
| Days After Emergence | -19 DE-1 | -19 DE-1 | -13 DE-1 | -13 DE-1 | -13 DE-1 | | |
| Trt Treatment | Rate | Appl Code | 5 | 6 | 7 | 8 | 9 |
| No. Name | Unit | | | | | | |
| 5 Interlock | 4 fl oz/a | B | 23.3 bc | 26.7 b | 100.0 a | 81.7 a | 91.7 ab |
| 5 AGH15003 | 1.3 pt/a | A | | | | | |
| 5 Shredder | 10.33 fl oz/a | A | | | | | |
| 5 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 5 Superb HC | 1 pt/a | A | | | | | |
| 5 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 5 Xtendimax | 22 fl oz/a | B | | | | | |
| 5 AG16098 | 0.5 % v/v | B | | | | | |
| 5 Iconic | 0.5 % v/v | B | | | | | |
| 5 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Interlock | 4 fl oz/a | A | 56.7 a | 65.0 a | 100.0 a | 100.0 a | 96.7 a |
| 6 AGH15003 | 1.3 pt/a | A | | | | | |
| 6 Sharpen | 1.0 fl oz/a | A | | | | | |
| 6 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 6 Superb HC | 1 pt/a | A | | | | | |
| 6 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 6 Xtendimax | 22 fl oz/a | B | | | | | |
| 6 AG16098 | 0.5 % v/v | B | | | | | |
| 6 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Class Act Ridion | 1 % v/v | B | | | | | |
| 6 Interlock | 2 fl oz/a | B | | | | | |
| 7 Interlock | 4 fl oz/a | B | 53.3 a | 66.7 a | 100.0 a | 100.0 a | 100.0 a |
| 7 AGH15003 | 1.3 pt/a | A | | | | | |
| 7 Sharpen | 1.0 fl oz/a | A | | | | | |
| 7 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 7 Superb HC | 1 pt/a | A | | | | | |
| 7 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 7 Xtendimax | 22 fl oz/a | B | | | | | |
| 7 AG16098 | 0.5 % v/v | B | | | | | |
| 7 Iconic | 0.5 % v/v | B | | | | | |
| 7 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Roundup Power Max | 32 oz/a | A | 10.0 cd | 10.0 c | 100.0 a | 100.0 a | 70.0 c |
| 8 N-pak ams | 2.5 % v/v | A | | | | | |
| 8 Xtendimax | 22 fl oz/a | B | | | | | |
| 8 AG16098 | 0.5 % v/v | B | | | | | |
| 8 Class Act Ridion | 1 % v/v | B | | | | | |
| 8 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Interlock | 2 fl oz/a | B | | | | | |
| 9 Roundup Power Max | 32 oz/a | A | 10.0 cd | 10.0 c | 100.0 a | 85.0 a | 70.0 c |
| 9 N-pak ams | 2.5 % v/v | A | | | | | |
| 9 Xtendimax | 22 fl oz/a | B | | | | | |
| 9 AG16098 | 0.5 % v/v | B | | | | | |
| 9 Iconic | 0.5 % v/v | B | | | | | |
| 9 Roundup PowerMax | 21 fl oz/a | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| | | | | | | | |
|-------------------------------|-----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Pest Type | | | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | | | VERAG | ERICA | LAMPU | SENGL | ERYRE |
| Pest Name | | | Field speedwell | Canada horsewe> | Purple deadnet> | Cressleaf grou> | Bushy wallflow> |
| Crop Code | | | | | | | |
| Crop Name | | | | | | | |
| Rating Date | | | May-10-2017 | May-10-2017 | May-16-2017 | May-16-2017 | May-16-2017 |
| Rating Type | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | % | % | % | % | % |
| Number of Subsamples | | | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | | | 7 7 | 7 7 | 13 13 | 13 13 | 13 13 |
| Trt-Eval Interval | | | 7 DA-A | 7 DA-A | 13 DA-A | 13 DA-A | 13 DA-A |
| Days After Emergence | | | -19 DE-1 | -19 DE-1 | -13 DE-1 | -13 DE-1 | -13 DE-1 |
| Trt Treatment | Rate | Rate Unit | Appl Code | | | | |
| No. Name | | | | 5 | 6 | 7 | 8 |
| 10 Roundup Power Max | 32 oz/a | | A | 10.0 cd | 10.0 c | 100.0 a | 100.0 a |
| 10 N-pak ams | 2.5 % v/v | | A | | | | 75.0 bc |
| 10 Roundup Power Max | 32 oz/a | | B | | | | |
| 10 N-pak ams | 2.5 % v/v | | B | | | | |
| LSD P=.05 | | | | 15.38 | 12.52 | . | 22.97 |
| Standard Deviation | | | | 8.96 | 7.30 | 0.00 | 13.39 |
| CV | | | | 37.88 | 25.91 | 0.0 | 16.01 |
| Bartlett's X2 | | | | 5.812 | 3.42 | 0.0 | 3.792 |
| P(Bartlett's X2) | | | | 0.325 | 0.49 | . | 0.435 |
| Replicate F | | | | 1.783 | 2.739 | 0.000 | 1.594 |
| Replicate Prob(F) | | | | 0.1965 | 0.0915 | 1.0000 | 0.2305 |
| Treatment F | | | | 12.945 | 29.163 | 0.000 | 15.393 |
| Treatment Prob(F) | | | | 0.0001 | 0.0001 | 1.0000 | 0.0001 |

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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | O Other | W Weed | | |
|-------------------------------|---|-------------|-------------|-------------|---------------|-------|----------|
| Pest Code | STEME | VERAG | ERICA | | SETFA | | |
| Pest Name | Common chickwe> Field speedwell Canada horsewe> | | | | Giant foxtail | | |
| Crop Code | | | | GLXMA | | | |
| Crop Name | | | | Soybean | | | |
| Rating Date | May-16-2017 | May-16-2017 | May-16-2017 | Jun-15-2017 | Jun-15-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | PHYNLS | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 13 13 | 13 13 | 13 13 | 43 7 | 43 7 | | |
| Trt-Eval Interval | 13 DA-A | 13 DA-A | 13 DA-A | | | | |
| Days After Emergence | -13 DE-1 | -13 DE-1 | -13 DE-1 | 17 DE-1 | 17 DE-1 | | |
| Trt Treatment | Rate | Appl | 10 | 11 | 12 | 13 | 14 |
| No. Name | Rate Unit | Code | | | | | |
| 1 | | | 0.0 b | 0.0 d | 0.0 d | 0.0 c | 0.0 d |
| 2 Interlock | 4 fl oz/a | A | 100.0 a | 100.0 a | 58.3 b | 1.0 a | 50.0 bc |
| 2 AGH15003 | 1.3 pt/a | A | | | | | |
| 2 Rugged | 1 pt/a | A | | | | | |
| 2 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 2 Superb HC | 1 pt/a | A | | | | | |
| 2 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 2 Xtendimax | 22 fl oz/a | B | | | | | |
| 2 AG16098 | 0.5 % v/v | B | | | | | |
| 2 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 2 Class Act Ridion | 1 % v/v | B | | | | | |
| 2 Interlock | 2 fl oz/a | B | | | | | |
| 3 Interlock | 4 fl oz/a | A | 100.0 a | 100.0 a | 56.7 b | 1.0 a | 56.7 abc |
| 3 AGH15003 | 1.3 pt/a | A | | | | | |
| 3 Rugged | 1 pt/a | A | | | | | |
| 3 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 3 Superb HC | 1 pt/a | A | | | | | |
| 3 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 3 Xtendimax | 22 fl oz/a | B | | | | | |
| 3 AG16098 | 0.5 % v/v | B | | | | | |
| 3 Iconic | 0.5 % v/v | B | | | | | |
| 3 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 4 Interlock | 4 fl oz/a | A | 100.0 a | 91.7 a | 56.7 b | 1.0 a | 91.7 a |
| 4 AGH15003 | 1.3 pt/a | A | | | | | |
| 4 Shredder | 10.33 fl oz/a | A | | | | | |
| 4 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 4 Superb HC | 1 pt/a | A | | | | | |
| 4 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 4 Xtendimax | 22 fl oz/a | B | | | | | |
| 4 AG16098 | 0.5 % v/v | B | | | | | |
| 4 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 4 Class Act Ridion | 1 % v/v | B | | | | | |
| 4 Interlock | 2 fl oz/a | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | O Other | W Weed | | |
|-------------------------------|---|-------------|-------------|-------------|---------------|-------|---------|
| Pest Code | STEME | VERAG | ERICA | | SETFA | | |
| Pest Name | Common chickwe> Field speedwell Canada horsewe> | | | | Giant foxtail | | |
| Crop Code | | | | GLXMA | | | |
| Crop Name | | | | Soybean | | | |
| Rating Date | May-16-2017 | May-16-2017 | May-16-2017 | Jun-15-2017 | Jun-15-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | PHYNLS | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 13 13 | 13 13 | 13 13 | 43 7 | 43 7 | | |
| Trt-Eval Interval | 13 DA-A | 13 DA-A | 13 DA-A | | | | |
| Days After Emergence | -13 DE-1 | -13 DE-1 | -13 DE-1 | 17 DE-1 | 17 DE-1 | | |
| Trt Treatment | Rate | Appl | | | | | |
| No. Name | Unit | Code | 10 | 11 | 12 | 13 | 14 |
| 5 Interlock | 4 fl oz/a | B | 100.0 a | 100.0 a | 60.0 b | 1.0 a | 86.7 a |
| 5 AGH15003 | 1.3 pt/a | A | | | | | |
| 5 Shredder | 10.33 fl oz/a | A | | | | | |
| 5 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 5 Superb HC | 1 pt/a | A | | | | | |
| 5 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 5 Xtendimax | 22 fl oz/a | B | | | | | |
| 5 AG16098 | 0.5 % v/v | B | | | | | |
| 5 Iconic | 0.5 % v/v | B | | | | | |
| 5 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Interlock | 4 fl oz/a | A | 100.0 a | 100.0 a | 87.7 a | 1.0 a | 70.0 ab |
| 6 AGH15003 | 1.3 pt/a | A | | | | | |
| 6 Sharpen | 1.0 fl oz/a | A | | | | | |
| 6 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 6 Superb HC | 1 pt/a | A | | | | | |
| 6 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 6 Xtendimax | 22 fl oz/a | B | | | | | |
| 6 AG16098 | 0.5 % v/v | B | | | | | |
| 6 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Class Act Ridion | 1 % v/v | B | | | | | |
| 6 Interlock | 2 fl oz/a | B | | | | | |
| 7 Interlock | 4 fl oz/a | B | 100.0 a | 100.0 a | 78.3 a | 1.0 a | 43.3 bc |
| 7 AGH15003 | 1.3 pt/a | A | | | | | |
| 7 Sharpen | 1.0 fl oz/a | A | | | | | |
| 7 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 7 Superb HC | 1 pt/a | A | | | | | |
| 7 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 7 Xtendimax | 22 fl oz/a | B | | | | | |
| 7 AG16098 | 0.5 % v/v | B | | | | | |
| 7 Iconic | 0.5 % v/v | B | | | | | |
| 7 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Roundup Power Max | 32 oz/a | A | 100.0 a | 53.3 b | 30.0 c | 0.3 b | 26.7 cd |
| 8 N-pak ams | 2.5 % v/v | A | | | | | |
| 8 Xtendimax | 22 fl oz/a | B | | | | | |
| 8 AG16098 | 0.5 % v/v | B | | | | | |
| 8 Class Act Ridion | 1 % v/v | B | | | | | |
| 8 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Interlock | 2 fl oz/a | B | | | | | |
| 9 Roundup Power Max | 32 oz/a | A | 100.0 a | 40.0 c | 30.0 c | 1.0 a | 71.7 ab |
| 9 N-pak ams | 2.5 % v/v | A | | | | | |
| 9 Xtendimax | 22 fl oz/a | B | | | | | |
| 9 AG16098 | 0.5 % v/v | B | | | | | |
| 9 Iconic | 0.5 % v/v | B | | | | | |
| 9 Roundup PowerMax | 21 fl oz/a | B | | | | | |

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 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | O Other | W Weed | | | |
|-------------------------------|---|-------------|-------------|-------------|---------------|--------|--------|----------|
| Pest Code | STEME | VERAG | ERICA | | SETFA | | | |
| Pest Name | Common chickwe> Field speedwell Canada horsewe> | | | | Giant foxtail | | | |
| Crop Code | | | | GLXMA | | | | |
| Crop Name | | | | Soybean | | | | |
| Rating Date | May-16-2017 | May-16-2017 | May-16-2017 | Jun-15-2017 | Jun-15-2017 | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | PHYNLS | CONTRO | | | |
| Rating Unit | % | % | % | % | % | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | | |
| Days After First/Last Applic. | 13 13 | 13 13 | 13 13 | 43 7 | 43 7 | | | |
| Trt-Eval Interval | 13 DA-A | 13 DA-A | 13 DA-A | | | | | |
| Days After Emergence | -13 DE-1 | -13 DE-1 | -13 DE-1 | 17 DE-1 | 17 DE-1 | | | |
| Trt Treatment | Rate | Unit | Appl Code | 10 | 11 | 12 | 13 | 14 |
| 10 Roundup Power Max | 32 oz/a | | A | 100.0 a | 53.3 b | 30.0 c | 0.0 c | 61.7 abc |
| 10 N-pak ams | 2.5 % v/v | | A | | | | | |
| 10 Roundup Power Max | 32 oz/a | | B | | | | | |
| 10 N-pak ams | 2.5 % v/v | | B | | | | | |
| LSD P=.05 | | | | . | 10.84 | 14.36 | 0.31 | 36.24 |
| Standard Deviation | | | | 0.00 | 6.32 | 8.37 | 0.18 | 21.13 |
| CV | | | | 0.0 | 8.56 | 17.17 | 24.9 | 37.84 |
| Bartlett's X2 | | | | 0.0 | 2.268 | 2.546 | 0.0 | 7.808 |
| P(Bartlett's X2) | | | | . | 0.519 | 0.636 | . | 0.452 |
| Replicate F | | | | 0.000 | 0.397 | 0.551 | 1.000 | 0.540 |
| Replicate Prob(F) | | | | 1.0000 | 0.6782 | 0.5858 | 0.3874 | 0.5922 |
| Treatment F | | | | 0.000 | 93.367 | 29.308 | 17.333 | 5.137 |
| Treatment Prob(F) | | | | 1.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0016 |

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
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 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | O Other | W Weed | | |
|-------------------------------|-----------------|-----------------|-----------------|-------------|---------------|-------|----------|
| Pest Code | AMBTR | AMARE | ERICA | | SETFA | | |
| Pest Name | Giant ragweed | Redroot pigweed | Canada horsewe> | | Giant foxtail | | |
| Crop Code | | | | GLXMA | | | |
| Crop Name | | | | Soybean | | | |
| Rating Date | Jun-15-2017 | Jun-15-2017 | Jun-15-2017 | Jun-22-2017 | Jun-22-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | PHYGEN | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 43 7 | 43 7 | 43 7 | 50 14 | 50 14 | | |
| Trt-Eval Interval | | | | | | | |
| Days After Emergence | 17 DE-1 | 17 DE-1 | 17 DE-1 | 24 DE-1 | 24 DE-1 | | |
| Trt Treatment | Rate | Appl | 15 | 16 | 17 | 18 | 19 |
| No. Name | Unit | Code | | | | | |
| 1 | | | 0.0 c | 0.0 d | 0.0 d | 0.0 a | 0.0 d |
| 2 Interlock | 4 fl oz/a | A | 46.7 ab | 36.7 bc | 51.7 abc | 0.0 a | 53.3 c |
| 2 AGH15003 | 1.3 pt/a | A | | | | | |
| 2 Rugged | 1 pt/a | A | | | | | |
| 2 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 2 Superb HC | 1 pt/a | A | | | | | |
| 2 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 2 Xtendimax | 22 fl oz/a | B | | | | | |
| 2 AG16098 | 0.5 % v/v | B | | | | | |
| 2 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 2 Class Act Ridion | 1 % v/v | B | | | | | |
| 2 Interlock | 2 fl oz/a | B | | | | | |
| 3 Interlock | 4 fl oz/a | A | 63.3 a | 60.0 b | 51.7 abc | 0.0 a | 66.7 abc |
| 3 AGH15003 | 1.3 pt/a | A | | | | | |
| 3 Rugged | 1 pt/a | A | | | | | |
| 3 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 3 Superb HC | 1 pt/a | A | | | | | |
| 3 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 3 Xtendimax | 22 fl oz/a | B | | | | | |
| 3 AG16098 | 0.5 % v/v | B | | | | | |
| 3 Iconic | 0.5 % v/v | B | | | | | |
| 3 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 4 Interlock | 4 fl oz/a | A | 50.0 ab | 88.3 a | 51.7 abc | 0.0 a | 96.7 a |
| 4 AGH15003 | 1.3 pt/a | A | | | | | |
| 4 Shredder | 10.33 fl oz/a | A | | | | | |
| 4 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 4 Superb HC | 1 pt/a | A | | | | | |
| 4 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 4 Xtendimax | 22 fl oz/a | B | | | | | |
| 4 AG16098 | 0.5 % v/v | B | | | | | |
| 4 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 4 Class Act Ridion | 1 % v/v | B | | | | | |
| 4 Interlock | 2 fl oz/a | B | | | | | |

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

| Pest Type | W Weed | W Weed | W Weed | O Other | W Weed | | |
|-------------------------------|---|-------------|-------------|-------------|---------------|-------|----------|
| Pest Code | AMBTR | AMARE | ERICA | | SETFA | | |
| Pest Name | Giant ragweed Redroot pigweed Canada horsewe> | | | | Giant foxtail | | |
| Crop Code | | | | GLXMA | | | |
| Crop Name | | | | Soybean | | | |
| Rating Date | Jun-15-2017 | Jun-15-2017 | Jun-15-2017 | Jun-22-2017 | Jun-22-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | PHYGEN | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 43 7 | 43 7 | 43 7 | 50 14 | 50 14 | | |
| Trt-Eval Interval | | | | | | | |
| Days After Emergence | 17 DE-1 | 17 DE-1 | 17 DE-1 | 24 DE-1 | 24 DE-1 | | |
| Trt Treatment | Rate | Appl | | | | | |
| No. Name | Unit | Code | 15 | 16 | 17 | 18 | 19 |
| 5 Interlock | 4 fl oz/a | B | 43.3 ab | 58.3 bc | 56.7 ab | 0.0 a | 86.7 ab |
| 5 AGH15003 | 1.3 pt/a | A | | | | | |
| 5 Shredder | 10.33 fl oz/a | A | | | | | |
| 5 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 5 Superb HC | 1 pt/a | A | | | | | |
| 5 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 5 Xtendimax | 22 fl oz/a | B | | | | | |
| 5 AG16098 | 0.5 % v/v | B | | | | | |
| 5 Iconic | 0.5 % v/v | B | | | | | |
| 5 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Interlock | 4 fl oz/a | A | 46.7 ab | 43.3 bc | 71.7 a | 0.0 a | 80.0 abc |
| 6 AGH15003 | 1.3 pt/a | A | | | | | |
| 6 Sharpen | 1.0 fl oz/a | A | | | | | |
| 6 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 6 Superb HC | 1 pt/a | A | | | | | |
| 6 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 6 Xtendimax | 22 fl oz/a | B | | | | | |
| 6 AG16098 | 0.5 % v/v | B | | | | | |
| 6 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Class Act Ridion | 1 % v/v | B | | | | | |
| 6 Interlock | 2 fl oz/a | B | | | | | |
| 7 Interlock | 4 fl oz/a | B | 30.0 b | 33.3 c | 71.7 a | 0.0 a | 63.3 bc |
| 7 AGH15003 | 1.3 pt/a | A | | | | | |
| 7 Sharpen | 1.0 fl oz/a | A | | | | | |
| 7 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 7 Superb HC | 1 pt/a | A | | | | | |
| 7 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 7 Xtendimax | 22 fl oz/a | B | | | | | |
| 7 AG16098 | 0.5 % v/v | B | | | | | |
| 7 Iconic | 0.5 % v/v | B | | | | | |
| 7 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Roundup Power Max | 32 oz/a | A | 40.0 ab | 53.3 bc | 36.7 bc | 0.0 a | 0.0 d |
| 8 N-pak ams | 2.5 % v/v | A | | | | | |
| 8 Xtendimax | 22 fl oz/a | B | | | | | |
| 8 AG16098 | 0.5 % v/v | B | | | | | |
| 8 Class Act Ridion | 1 % v/v | B | | | | | |
| 8 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Interlock | 2 fl oz/a | B | | | | | |
| 9 Roundup Power Max | 32 oz/a | A | 46.7 ab | 40.0 bc | 30.0 bcd | 0.0 a | 73.3 abc |
| 9 N-pak ams | 2.5 % v/v | A | | | | | |
| 9 Xtendimax | 22 fl oz/a | B | | | | | |
| 9 AG16098 | 0.5 % v/v | B | | | | | |
| 9 Iconic | 0.5 % v/v | B | | | | | |
| 9 Roundup PowerMax | 21 fl oz/a | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | O Other | W Weed | | | |
|-------------------------------|---|-------------|-------------|-------------|---------------|---------|--------|--------|
| Pest Code | AMBTR | AMARE | ERICA | | SETFA | | | |
| Pest Name | Giant ragweed Redroot pigweed Canada horsewe> | | | | Giant foxtail | | | |
| Crop Code | | | | GLXMA | | | | |
| Crop Name | | | | Soybean | | | | |
| Rating Date | Jun-15-2017 | Jun-15-2017 | Jun-15-2017 | Jun-22-2017 | Jun-22-2017 | | | |
| Rating Type | CONTRO | CONTRO | CONTRO | PHYGEN | CONTRO | | | |
| Rating Unit | % | % | % | % | % | | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | | |
| Days After First/Last Applic. | 43 7 | 43 7 | 43 7 | 50 14 | 50 14 | | | |
| Trt-Eval Interval | | | | | | | | |
| Days After Emergence | 17 DE-1 | 17 DE-1 | 17 DE-1 | 24 DE-1 | 24 DE-1 | | | |
| Trt Treatment | Rate | Unit | Appl Code | 15 | 16 | 17 | 18 | 19 |
| No. Name | | | | | | | | |
| 10 Roundup Power Max | 32 oz/a | | A | 50.0 ab | 56.7 bc | 23.3 cd | 0.0 a | 96.7 a |
| 10 N-pak ams | 2.5 % v/v | | A | | | | | |
| 10 Roundup Power Max | 32 oz/a | | B | | | | | |
| 10 N-pak ams | 2.5 % v/v | | B | | | | | |
| LSD P=.05 | | | | 26.66 | 26.58 | 31.96 | . | 32.26 |
| Standard Deviation | | | | 15.54 | 15.49 | 18.63 | 0.00 | 18.80 |
| CV | | | | 37.3 | 32.97 | 41.87 | 0.0 | 30.49 |
| Bartlett's X2 | | | | 3.946 | 7.524 | 7.122 | 0.0 | 8.152 |
| P(Bartlett's X2) | | | | 0.786 | 0.376 | 0.416 | . | 0.319 |
| Replicate F | | | | 2.043 | 4.884 | 2.211 | 0.000 | 1.911 |
| Replicate Prob(F) | | | | 0.1586 | 0.0202 | 0.1385 | 1.0000 | 0.1767 |
| Treatment F | | | | 3.535 | 6.531 | 4.300 | 0.000 | 10.605 |
| Treatment Prob(F) | | | | 0.0109 | 0.0004 | 0.0041 | 1.0000 | 0.0001 |

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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | | | W Weed | W Weed | W Weed | W Weed | W Weed | |
|-------------------------------|-----------------|------|---------------|-----------------|-----------------|-----------------|---------------|---------|
| Pest Code | | | AMBTR | AMARE | ERICA | ECHCG | SETFA | |
| Pest Name | | | Giant ragweed | Redroot pigweed | Canada horsewe> | Common barnyar> | Giant foxtail | |
| Crop Code | | | | | | | | |
| Crop Name | | | | | | | | |
| Rating Date | | | Jun-22-2017 | Jun-22-2017 | Jun-22-2017 | Jul-13-2017 | Jul-13-2017 | |
| Rating Type | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | |
| Rating Unit | | | % | % | % | % | % | |
| Number of Subsamples | | | 1 | 1 | 1 | 1 | 1 | |
| Days After First/Last Applic. | | | 50 14 | 50 14 | 50 14 | 71 35 | 71 35 | |
| Trt-Eval Interval | | | | | | | | |
| Days After Emergence | | | 24 DE-1 | 24 DE-1 | 24 DE-1 | 45 DE-1 | 45 DE-1 | |
| Trt Treatment | Rate | Unit | Appl Code | | | | | |
| No. Name | | | | 20 | 21 | 22 | 23 | |
| | | | | 24 | | | | |
| 1 | | | | 0.0 c | 0.0 c | 0.0 e | 0.0 d | 0.0 d |
| 2 Interlock | 4 fl oz/a | | A | 95.0 ab | 45.0 b | 75.0 bc | 46.7 c | 95.0 ab |
| 2 AGH15003 | 1.3 pt/a | | A | | | | | |
| 2 Rugged | 1 pt/a | | A | | | | | |
| 2 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | |
| 2 Superb HC | 1 pt/a | | A | | | | | |
| 2 Class Act NG | 2.5 gal/100 gal | | A | | | | | |
| 2 Xtendimax | 22 fl oz/a | | B | | | | | |
| 2 AG16098 | 0.5 % v/v | | B | | | | | |
| 2 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 2 Class Act Ridion | 1 % v/v | | B | | | | | |
| 2 Interlock | 2 fl oz/a | | B | | | | | |
| 3 Interlock | 4 fl oz/a | | A | 93.3 ab | 53.3 b | 76.7 bc | 63.3 abc | 95.0 ab |
| 3 AGH15003 | 1.3 pt/a | | A | | | | | |
| 3 Rugged | 1 pt/a | | A | | | | | |
| 3 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | |
| 3 Superb HC | 1 pt/a | | A | | | | | |
| 3 Class Act NG | 2.5 gal/100 gal | | A | | | | | |
| 3 Xtendimax | 22 fl oz/a | | B | | | | | |
| 3 AG16098 | 0.5 % v/v | | B | | | | | |
| 3 Iconic | 0.5 % v/v | | B | | | | | |
| 3 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 4 Interlock | 4 fl oz/a | | A | 100.0 a | 73.3 ab | 81.7 b | 78.3 ab | 98.3 a |
| 4 AGH15003 | 1.3 pt/a | | A | | | | | |
| 4 Shredder | 10.33 fl oz/a | | A | | | | | |
| 4 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | |
| 4 Superb HC | 1 pt/a | | A | | | | | |
| 4 Class Act NG | 2.5 gal/100 gal | | A | | | | | |
| 4 Xtendimax | 22 fl oz/a | | B | | | | | |
| 4 AG16098 | 0.5 % v/v | | B | | | | | |
| 4 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 4 Class Act Ridion | 1 % v/v | | B | | | | | |
| 4 Interlock | 2 fl oz/a | | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | W Weed | W Weed | | |
|-------------------------------|---|-------------|-------------|-------------|-------------|----------|---------|
| Pest Code | AMBTR | AMARE | ERICA | ECHCG | SETFA | | |
| Pest Name | Giant ragweed Redroot pigweed Canada horsewe> Common barnyar> Giant foxtail | | | | | | |
| Crop Code | | | | | | | |
| Crop Name | | | | | | | |
| Rating Date | Jun-22-2017 | Jun-22-2017 | Jun-22-2017 | Jul-13-2017 | Jul-13-2017 | | |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | |
| Rating Unit | % | % | % | % | % | | |
| Number of Subsamples | 1 | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | 50 14 | 50 14 | 50 14 | 71 35 | 71 35 | | |
| Trt-Eval Interval | | | | | | | |
| Days After Emergence | 24 DE-1 | 24 DE-1 | 24 DE-1 | 45 DE-1 | 45 DE-1 | | |
| Trt Treatment | Rate | Appl Code | 20 | 21 | 22 | 23 | 24 |
| No. Name | Unit | | | | | | |
| 5 Interlock | 4 fl oz/a | B | 93.3 ab | 71.7 ab | 83.3 ab | 73.3 abc | 91.7 b |
| 5 AGH15003 | 1.3 pt/a | A | | | | | |
| 5 Shredder | 10.33 fl oz/a | A | | | | | |
| 5 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 5 Superb HC | 1 pt/a | A | | | | | |
| 5 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 5 Xtendimax | 22 fl oz/a | B | | | | | |
| 5 AG16098 | 0.5 % v/v | B | | | | | |
| 5 Iconic | 0.5 % v/v | B | | | | | |
| 5 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Interlock | 4 fl oz/a | A | 91.7 ab | 53.3 b | 91.7 a | 65.0 abc | 95.0 ab |
| 6 AGH15003 | 1.3 pt/a | A | | | | | |
| 6 Sharpen | 1.0 fl oz/a | A | | | | | |
| 6 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 6 Superb HC | 1 pt/a | A | | | | | |
| 6 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 6 Xtendimax | 22 fl oz/a | B | | | | | |
| 6 AG16098 | 0.5 % v/v | B | | | | | |
| 6 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 6 Class Act Ridion | 1 % v/v | B | | | | | |
| 6 Interlock | 2 fl oz/a | B | | | | | |
| 7 Interlock | 4 fl oz/a | B | 78.3 ab | 53.3 b | 81.7 b | 51.7 bc | 100.0 a |
| 7 AGH15003 | 1.3 pt/a | A | | | | | |
| 7 Sharpen | 1.0 fl oz/a | A | | | | | |
| 7 Cornerstone 5 Plus | 24 fl oz/a | A | | | | | |
| 7 Superb HC | 1 pt/a | A | | | | | |
| 7 Class Act NG | 2.5 gal/100 gal | A | | | | | |
| 7 Xtendimax | 22 fl oz/a | B | | | | | |
| 7 AG16098 | 0.5 % v/v | B | | | | | |
| 7 Iconic | 0.5 % v/v | B | | | | | |
| 7 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Roundup Power Max | 32 oz/a | A | 88.3 ab | 60.0 ab | 71.7 c | 10.0 d | 50.0 c |
| 8 N-pak ams | 2.5 % v/v | A | | | | | |
| 8 Xtendimax | 22 fl oz/a | B | | | | | |
| 8 AG16098 | 0.5 % v/v | B | | | | | |
| 8 Class Act Ridion | 1 % v/v | B | | | | | |
| 8 Roundup PowerMax | 21 fl oz/a | B | | | | | |
| 8 Interlock | 2 fl oz/a | B | | | | | |
| 9 Roundup Power Max | 32 oz/a | A | 93.3 ab | 53.3 b | 75.0 bc | 66.6 abc | 97.5 ab |
| 9 N-pak ams | 2.5 % v/v | A | | | | | |
| 9 Xtendimax | 22 fl oz/a | B | | | | | |
| 9 AG16098 | 0.5 % v/v | B | | | | | |
| 9 Iconic | 0.5 % v/v | B | | | | | |
| 9 Roundup PowerMax | 21 fl oz/a | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| | | | | | | | | |
|-------------------------------|-----------|------|-----------|--------|--------|--------|--------|---------|
| Pest Type | | | | | | | | |
| Pest Code | | | | | | | | |
| Pest Name | | | | | | | | |
| Crop Code | | | | | | | | |
| Crop Name | | | | | | | | |
| Rating Date | | | | | | | | |
| Rating Type | | | | | | | | |
| Rating Unit | | | | | | | | |
| Number of Subsamples | | | | | | | | |
| Days After First/Last Applic. | | | | | | | | |
| Trt-Eval Interval | | | | | | | | |
| Days After Emergence | | | | | | | | |
| Trt Treatment | | | | | | | | |
| No. Name | Rate | Unit | Appl Code | 20 | 21 | 22 | 23 | 24 |
| 10 Roundup Power Max | 32 oz/a | | A | 73.3 b | 90.0 a | 10.0 d | 88.1 a | 100.0 a |
| 10 N-pak ams | 2.5 % v/v | | A | | | | | |
| 10 Roundup Power Max | 32 oz/a | | B | | | | | |
| 10 N-pak ams | 2.5 % v/v | | B | | | | | |
| LSD P=.05 | | | | 21.83 | 30.33 | 9.93 | 30.64 | 6.65 |
| Standard Deviation | | | | 12.73 | 17.68 | 5.79 | 17.70 | 3.77 |
| CV | | | | 15.78 | 31.96 | 8.95 | 32.6 | 4.58 |
| Bartlett's X2 | | | | 8.234 | 1.159 | 3.807 | 2.465 | 1.215 |
| P(Bartlett's X2) | | | | 0.312 | 0.997 | 0.802 | 0.963 | 0.943 |
| Replicate F | | | | 0.777 | 3.473 | 0.696 | 0.812 | 0.396 |
| Replicate Prob(F) | | | | 0.4746 | 0.0530 | 0.5114 | 0.4615 | 0.6808 |
| Treatment F | | | | 16.069 | 5.329 | 91.812 | 7.874 | 223.092 |
| Treatment Prob(F) | | | | 0.0001 | 0.0013 | 0.0001 | 0.0002 | 0.0001 |

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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | | W Weed | | W Weed | | W Weed | | |
|-------------------------------|-----------------|------|-----------------|--------|-----------------|---------|-----------------|----|--|
| Pest Code | AMBTR | | AMARE | | CHEAL | | ERICA | | |
| Pest Name | Giant ragweed | | Redroot pigweed | | common lambsqu> | | Canada horsewe> | | |
| Crop Code | | | | | | | | | |
| Crop Name | | | | | | | | | |
| Rating Date | Jul-13-2017 | | Jul-13-2017 | | Jul-13-2017 | | Jul-13-2017 | | |
| Rating Type | CONTRO | | CONTRO | | CONTRO | | CONTRO | | |
| Rating Unit | % | | % | | % | | % | | |
| Number of Subsamples | 1 | | 1 | | 1 | | 1 1 | | |
| Days After First/Last Applic. | 71 35 | | 71 35 | | 71 35 | | 71 35 | | |
| Trt-Eval Interval | | | | | | | | | |
| Days After Emergence | 45 DE-1 | | 45 DE-1 | | 45 DE-1 | | 45 DE-1 | | |
| Trt Treatment | Rate | Unit | Appl Code | | | | | | |
| No. Name | Rate | Unit | Code | 25 | 26 | 27 | 28 | 29 | |
| 1 | | | | 0.0 b | 0.0 e | 0.0 c | 0.0 c | | |
| 2 Interlock | 4 fl oz/a | | A | 91.7 a | 36.7 d | 73.3 b | 100.0 a | | |
| 2 AGH15003 | 1.3 pt/a | | A | | | | | | |
| 2 Rugged | 1 pt/a | | A | | | | | | |
| 2 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | | |
| 2 Superb HC | 1 pt/a | | A | | | | | | |
| 2 Class Act NG | 2.5 gal/100 gal | | A | | | | | | |
| 2 Xtendimax | 22 fl oz/a | | B | | | | | | |
| 2 AG16098 | 0.5 % v/v | | B | | | | | | |
| 2 Roundup PowerMax | 21 fl oz/a | | B | | | | | | |
| 2 Class Act Ridion | 1 % v/v | | B | | | | | | |
| 2 Interlock | 2 fl oz/a | | B | | | | | | |
| 3 Interlock | 4 fl oz/a | | A | 86.7 a | 60.0 cd | 96.7 a | 100.0 a | | |
| 3 AGH15003 | 1.3 pt/a | | A | | | | | | |
| 3 Rugged | 1 pt/a | | A | | | | | | |
| 3 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | | |
| 3 Superb HC | 1 pt/a | | A | | | | | | |
| 3 Class Act NG | 2.5 gal/100 gal | | A | | | | | | |
| 3 Xtendimax | 22 fl oz/a | | B | | | | | | |
| 3 AG16098 | 0.5 % v/v | | B | | | | | | |
| 3 Iconic | 0.5 % v/v | | B | | | | | | |
| 3 Roundup PowerMax | 21 fl oz/a | | B | | | | | | |
| 4 Interlock | 4 fl oz/a | | A | 85.0 a | 71.7 bc | 100.0 a | 100.0 a | | |
| 4 AGH15003 | 1.3 pt/a | | A | | | | | | |
| 4 Shredder | 10.33 fl oz/a | | A | | | | | | |
| 4 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | | |
| 4 Superb HC | 1 pt/a | | A | | | | | | |
| 4 Class Act NG | 2.5 gal/100 gal | | A | | | | | | |
| 4 Xtendimax | 22 fl oz/a | | B | | | | | | |
| 4 AG16098 | 0.5 % v/v | | B | | | | | | |
| 4 Roundup PowerMax | 21 fl oz/a | | B | | | | | | |
| 4 Class Act Ridion | 1 % v/v | | B | | | | | | |
| 4 Interlock | 2 fl oz/a | | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | | | W Weed | W Weed | W Weed | W Weed | | |
|-------------------------------|-----------------|------|---|-------------|-------------|-------------|---------|----|
| Pest Code | | | AMBTR | AMARE | CHEAL | ERICA | | |
| Pest Name | | | Giant ragweed Redroot pigweed common lambsqu> Canada horsewe> | | | | | |
| Crop Code | | | | | | | | |
| Crop Name | | | | | | | | |
| Rating Date | | | Jul-13-2017 | Jul-13-2017 | Jul-13-2017 | Jul-13-2017 | | |
| Rating Type | | | CONTRO | CONTRO | CONTRO | CONTRO | | |
| Rating Unit | | | % | % | % | % | | |
| Number of Subsamples | | | 1 | 1 | 1 | 1 | | |
| Days After First/Last Applic. | | | 71 35 | 71 35 | 71 35 | 71 35 | | |
| Trt-Eval Interval | | | | | | | | |
| Days After Emergence | | | 45 DE-1 | 45 DE-1 | 45 DE-1 | 45 DE-1 | | |
| Trt Treatment | Rate | Rate | Appl | | | | | |
| No. Name | Unit | Unit | Code | 25 | 26 | 27 | 28 | 29 |
| 5 Interlock | 4 fl oz/a | | B | 86.7 a | 70.0 bc | 100.0 a | 100.0 a | |
| 5 AGH15003 | 1.3 pt/a | | A | | | | | |
| 5 Shredder | 10.33 fl oz/a | | A | | | | | |
| 5 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | |
| 5 Superb HC | 1 pt/a | | A | | | | | |
| 5 Class Act NG | 2.5 gal/100 gal | | A | | | | | |
| 5 Xtendimax | 22 fl oz/a | | B | | | | | |
| 5 AG16098 | 0.5 % v/v | | B | | | | | |
| 5 Iconic | 0.5 % v/v | | B | | | | | |
| 5 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 6 Interlock | 4 fl oz/a | | A | 70.0 a | 65.0 bc | 95.0 a | 98.3 a | |
| 6 AGH15003 | 1.3 pt/a | | A | | | | | |
| 6 Sharpen | 1.0 fl oz/a | | A | | | | | |
| 6 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | |
| 6 Superb HC | 1 pt/a | | A | | | | | |
| 6 Class Act NG | 2.5 gal/100 gal | | A | | | | | |
| 6 Xtendimax | 22 fl oz/a | | B | | | | | |
| 6 AG16098 | 0.5 % v/v | | B | | | | | |
| 6 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 6 Class Act Ridion | 1 % v/v | | B | | | | | |
| 6 Interlock | 2 fl oz/a | | B | | | | | |
| 7 Interlock | 4 fl oz/a | | B | 70.0 a | 66.7 bc | 96.7 a | 100.0 a | |
| 7 AGH15003 | 1.3 pt/a | | A | | | | | |
| 7 Sharpen | 1.0 fl oz/a | | A | | | | | |
| 7 Cornerstone 5 Plus | 24 fl oz/a | | A | | | | | |
| 7 Superb HC | 1 pt/a | | A | | | | | |
| 7 Class Act NG | 2.5 gal/100 gal | | A | | | | | |
| 7 Xtendimax | 22 fl oz/a | | B | | | | | |
| 7 AG16098 | 0.5 % v/v | | B | | | | | |
| 7 Iconic | 0.5 % v/v | | B | | | | | |
| 7 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 8 Roundup Power Max | 32 oz/a | | A | 92.4 a | 89.9 ab | 100.0 a | 99.3 a | |
| 8 N-pak ams | 2.5 % v/v | | A | | | | | |
| 8 Xtendimax | 22 fl oz/a | | B | | | | | |
| 8 AG16098 | 0.5 % v/v | | B | | | | | |
| 8 Class Act Ridion | 1 % v/v | | B | | | | | |
| 8 Roundup PowerMax | 21 fl oz/a | | B | | | | | |
| 8 Interlock | 2 fl oz/a | | B | | | | | |
| 9 Roundup Power Max | 32 oz/a | | A | 69.9 a | 67.4 bc | 100.0 a | 99.3 a | |
| 9 N-pak ams | 2.5 % v/v | | A | | | | | |
| 9 Xtendimax | 22 fl oz/a | | B | | | | | |
| 9 AG16098 | 0.5 % v/v | | B | | | | | |
| 9 Iconic | 0.5 % v/v | | B | | | | | |
| 9 Roundup PowerMax | 21 fl oz/a | | 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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

The Ohio State University

| Pest Type | W Weed | W Weed | W Weed | W Weed |
|-------------------------------|---|-------------|-------------|-------------------------------|
| Pest Code | AMBTR | AMARE | CHEAL | ERICA |
| Pest Name | Giant ragweed Redroot pigweed common lambsqu> Canada horsewe> | | | |
| Crop Code | | | | |
| Crop Name | | | | |
| Rating Date | Jul-13-2017 | Jul-13-2017 | Jul-13-2017 | Jul-13-2017 |
| Rating Type | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % |
| Number of Subsamples | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | 71 35 | 71 35 | 71 35 | 71 35 |
| Trt-Eval Interval | | | | |
| Days After Emergence | 45 DE-1 | 45 DE-1 | 45 DE-1 | 45 DE-1 |
| Trt Treatment | Rate | Unit | Appl Code | |
| No. Name | | | | 25 26 27 28 29 |
| 10 Roundup Power Max | 32 oz/a | | A | 81.3 a 100.0 a 100.0 a 19.8 b |
| 10 N-pak ams | 2.5 % v/v | | A | |
| 10 Roundup Power Max | 32 oz/a | | B | |
| 10 N-pak ams | 2.5 % v/v | | B | |
| LSD P=.05 | | | | 26.59 27.63 14.48 6.04 . |
| Standard Deviation | | | | 15.28 15.88 8.32 3.49 . |
| CV | | | | 20.83 25.31 9.66 4.28 . |
| Bartlett's X2 | | | | 5.533 3.003 4.65 9.905 . |
| P(Bartlett's X2) | | | | 0.699 0.885 0.199 0.019* . |
| Replicate F | | | | 3.594 3.068 0.807 1.116 |
| Replicate Prob(F) | | | | 0.0530 0.0764 0.4648 0.3518 |
| Treatment F | | | | 9.516 9.153 42.591 357.625 |
| Treatment Prob(F) | | | | 0.0001 0.0001 0.0001 0.0001 |

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.
 Missing data estimates are included in columns: Yates=4,23,25,26,27,28; Average=24
 Could not calculate LSD (% mean diff) for columns 7,10,18,29 because error mean square = 0.

