

Bayer University Demo - DiFlexx, Laudis Flexx

| | | |
|---------------------------|--------------------------------------------------|------------------|
| Trial ID: 15BAYERPOSTC | Location: Western Branch Big E | Trial Year: 2015 |
| Protocol ID: 15BAYERPOSTC | Investigator: Dr. Mark M. Loux | |
| Project ID: HP15USBLF | Study Director: Anthony Dobbels | |
| | Sponsor Contact: David Lamore, Bayer CropScience | |

General Trial Information

Study Director: Anthony Dobbels
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 °: 39.8569 N
Longitude of LL Corner °: -83.67012 W

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Anthony Dobbels

Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: ZEAMX Zea mays
Variety: SCS 1105 AM RR/LL
Description: Seed Consultants

Corn

Planting Rate, Unit: 32097 S/A
Depth, Unit: 2 IN
Row Spacing, Unit: 30 IN

Planting Date: 5-3-2015
Planting Method: PLANTD planted
Planting Equipment: FPP Finger Pickup Planter
Emergence Date: 5-9-2015
Harvest Date: 10-1-2015
Harvested Width, Unit: 5 FT
Harvested Length, Unit: 30 FT
Harvest Equipment: Massey Ferguson 8 XP
% Standard Moisture: 15.5
Moisture Meter: Harvest Master
Weighing Equipment: Harvest Master

Soil Temperature, Unit: 60 F
Soil Moisture: NORMAL normal, adequate
Seed Bed: MEDIUM medium

Pest Description

- Pest 1 Type:** W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail
- Pest 2 Type:** W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed
- Pest 3 Type:** W **Code:** CHEAL *Chenopodium album*
Common Name: Common lambsquarters
- Pest 4 Type:** W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed
- Pest 5 Type:** W **Code:** ABUTH *Abutilon theophrasti*
Common Name: velvetleaf
- Pest 6 Type:** W **Code:** POLPY *Persicaria pensylvanica*
Common Name: Pennsylvania smartweed
- Pest 7 Type:** W **Code:** SOLPT *Solanum ptycanthum*
Common Name: Eastern black nightshade
- Pest 8 Type:** W **Code:** HIBTR *Hibiscus trionum*
Common Name: Venice mallow
- Pest 9 Type:** W **Code:** IPOHE *Ipomoea hederacea*
Common Name: Ivyleaf morningglory
- Pest10 Type:** W **Code:** SIDSP *Sida spinosa*
Common Name: Prickly sida

Site and Design

Treated Plot Width: 10 FT
Treated Plot Length: 30 FT
Treated Plot Area: 300 FT2 **Treatments:** 16
Replications: 4

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)

No. Previous Crop Year
1. Soybean 2014

Soil Description

Description Name: Big E
% OM: 2.8 **Texture:** SIL silt loam
pH: 5.9 **Soil Name:** Kokomo
CEC: 17.44 **Fert. Level:** G good
Soil Drainage: G good

Additional Measured Elements

| Date | Element | Quantity | Unit |
|-----------|---------|----------|------|
| 4-24-2015 | NH3 | 180 | LBS |

Application Description

| | A | B | C |
|-------------------------------------|----------|-----------|----------|
| Application Date: | 5-4-2015 | 5-22-2015 | 6-3-2015 |
| Appl. Start Time: | 11:00 AM | 9:00 AM | 9:00 AM |
| Appl. Stop Time: | 11:20 AM | 9:30 AM | 9:15 AM |
| Application Method: | SPRAY | SPRAY | SPRAY |
| Application Timing: | PRE | EPO | POST |
| Application Placement: | BROSOI | BROFOL | BROFOL |
| Applied By: | Dobbels | Bethel | Barklay |
| Air Temperature, Unit: | 73 F | 55 F | 60 F |
| % Relative Humidity: | 45 | 69 | 85 |
| Wind Velocity, Unit: | 10 MPH | 7 MPH | 4 MPH |
| Wind Direction: | SW | WSW | NNE |
| Dew Presence (Y/N): | N no | N no | Y yes |
| Soil Temperature, Unit: | 58 F | 52 F | 59 F |
| Soil Moisture: | DRY | DRY | WET |
| % Cloud Cover: | 40 | 0 | 100 |
| Next Moisture Occurred On: | 5-5-2015 | 5-26-2015 | 6-5-2015 |
| Time to Next Moisture, Unit: | 14 HR | 4 DAY | 2 DAY |

Crop Stage At Each Application

| | A | | B | | C | |
|---------------------------------|----------|------|----------|------|----------|------|
| Crop 1 Code, BBCH Scale: | ZEAMX | BCOR | ZEAMX | BCOR | ZEAMX | BCOR |
| Stage Scale Used: | | | BBCH | | BBCH | |
| Stage Majority, Percent: | | | 13 | 100 | 15 | 100 |
| Height, Unit: | | | 5 | IN | 12 | IN |
| Height Minimum, Maximum: | | | 4.5 | 5 | 10 | 12 |

| | Pest Stage At Each Application | | | | | |
|----------------------------------|--------------------------------|---|-------|------|-------|-----|
| | A | | B | | C | |
| Pest 1 Code, Type, Scale: | SETFA | W | SETFA | W | SETFA | W |
| Stage Majority, Percent: | | | 13 | 100 | 13 | 90 |
| Stage Minimum, Percent: | | | | | 13 | 90 |
| Stage Maximum, Percent: | | | | | 14 | 10 |
| Height, Unit: | | | 3 | IN | 5 | IN |
| Height Minimum, Maximum: | | | 1 | 3 | 3 | 6 |
| Density, Unit: | | | 197 | M2 | 18.5 | M2 |
| Pest 2 Code, Type, Scale: | AMBTR | W | AMBTR | W | AMBTR | W |
| Stage Majority, Percent: | | | 12 | 80 | 14 | 80 |
| Stage Minimum, Percent: | | | 12 | 80 | 14 | 80 |
| Stage Maximum, Percent: | | | 14 | 20 | 16 | 20 |
| Height, Unit: | | | 2 | IN | 4 | IN |
| Height Minimum, Maximum: | | | 2 | 4 | 4 | 5 |
| Density, Unit: | | | 14 | M2 | 4.5 | M2 |
| Pest 3 Code, Type, Scale: | CHEAL | W | CHEAL | W | CHEAL | W |
| Stage Majority, Percent: | | | 14 | 90 | 14 | 80 |
| Stage Minimum, Percent: | | | 12 | 10 | 14 | 80 |
| Stage Maximum, Percent: | | | 14 | 90 | 18 | 10 |
| Diameter, Unit: | | | 1 | IN | | |
| Height, Unit: | | | 1.5 | IN | 1 | IN |
| Height Minimum, Maximum: | | | 0.5 | 1.5 | 1 | 2 |
| Density, Unit: | | | 32 | M2 | 7.5 | M2 |
| Pest 4 Code, Type, Scale: | AMARE | W | AMARE | W | AMARE | W |
| Stage Majority, Percent: | | | 14 | 100 | 14 | 100 |
| Diameter, Unit: | | | 0.5 | IN | | |
| Height, Unit: | | | 1 | IN | 1 | IN |
| Height Minimum, Maximum: | | | 0.5 | 1 | | |
| Density, Unit: | | | 4 | M2 | 1.25 | M2 |
| Pest 5 Code, Type, Scale: | ABUTH | W | ABUTH | W | ABUTH | W |
| Stage Majority, Percent: | | | 11 | 90 | 13 | 100 |
| Stage Minimum, Percent: | | | 10 | 10 | | |
| Stage Maximum, Percent: | | | 11 | 90 | | |
| Diameter, Unit: | | | 0.5 | IN | | |
| Height, Unit: | | | 0.25 | IN | 1 | IN |
| Height Minimum, Maximum: | | | 0.25 | 0.5 | | |
| Density, Unit: | | | 2 | M2 | 1.5 | m2 |
| Pest 6 Code, Type, Scale: | POLPY | W | POLPY | W | POLPY | W |
| Stage Majority, Percent: | | | 11 | 100 | 12 | 100 |
| Diameter, Unit: | | | 0.5 | IN | | |
| Height, Unit: | | | 1 | IN | 1 | IN |
| Height Minimum, Maximum: | | | 0.25 | 1 | | |
| Density, Unit: | | | 1 | M2 | 0.25 | M2 |
| Pest 7 Code, Type, Scale: | SOLPT | W | SOLPT | W | SOLPT | W |
| Stage Majority, Percent: | | | 12 | 100 | | |
| Diameter, Unit: | | | 0.125 | IN | | |
| Height, Unit: | | | 0.25 | IN | | |
| Height Minimum, Maximum: | | | 0.125 | 0.25 | | |
| Density, Unit: | | | 4 | M2 | | |
| Pest 8 Code, Type, Scale: | HIBTR | W | HIBTR | W | HIBTR | W |
| Stage Majority, Percent: | | | 12 | 100 | 12 | 100 |
| Diameter, Unit: | | | 0.5 | IN | | |
| Height, Unit: | | | 0.5 | IN | 1 | IN |
| Height Minimum, Maximum: | | | 0.25 | 0.5 | 1 | 2 |
| Pest 9 Code, Type, Scale: | IPOHE | W | IPOHE | W | IPOHE | W |
| Stage Majority, Percent: | | | | | 12 | 100 |
| Stage Minimum, Percent: | | | | | 12 | |
| Stage Maximum, Percent: | | | | | 13 | |
| Height, Unit: | | | | | 2.5 | IN |
| Height Minimum, Maximum: | | | | | 2 | 3 |
| Density, Unit: | | | | | 0.25 | m2 |
| Pest10 Code, Type, Scale: | SIDSP | W | SIDSP | W | SIDSP | W |
| Stage Majority, Percent: | | | | | 12 | 100 |
| Height, Unit: | | | | | 1 | IN |

Application Equipment

| | A | B | C |
|----------------------------------|-------------|-----------|-----------|
| Appl. Equipment: | 6 FOOT BOOM | 10' AI XR | 10' AI XR |
| Equipment Type: | SPRBAC | SPRBAC | SPRBAC |
| Operation Pressure, Unit: | 46 PSI | 46 PSI | 46 PSI |
| Nozzle Type: | AI XR | AI XR | AI XR |
| Nozzle Size: | 110015 | 110015 | 110015 |
| Nozzle Spacing, Unit: | 18 IN | 18 IN | 18 IN |
| Boom Length, Unit: | 6.67 FT | 10 FT | 10 FT |
| Boom Height, Unit: | 20 IN | 20 IN | 20 IN |
| Ground Speed, Unit: | 3 MPH | 3 MPH | 3 MPH |
| Carrier: | WATER | WATER | WATER |
| Spray Volume, Unit: | 15 GPA | 15 GPA | 15 GPA |
| Mix Size, Unit: | 2 Liters | 3 Liters | 2 Liters |
| Propellant: | CO2 | CO2 | CO2 |

Trt No Treatment Application Comment

207 Ran short on spray in this plot

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 Protocol ID: 15BAYERPOSTC Investigator: Dr. Mark M. Loux
 Project ID: HP15USBLF Study Director: Anthony Dobbels
 Sponsor Contact: David Lamore, Bayer CropScience

| | | | | | | | |
|-------------------------------|---|-----------|-----------|-----------|-----------|-----|-----|
| Pest Type | | | | | | | |
| Pest Code | | | | | | | |
| Pest Scientific Name | | | | | | | |
| Pest Name | | | | | | | |
| Crop Code | | ZEAMX | ZEAMX | ZEAMX | ZEAMX | | |
| BBCH Scale | | BCOR | BCOR | BCOR | BCOR | | |
| Crop Scientific Name | | Zea mays | Zea mays | Zea mays | Zea mays | | |
| Crop Name | | Corn | Corn | Corn | Corn | | |
| Rating Date | | 10-1-2015 | 10-1-2015 | 10-1-2015 | 10-1-2015 | | |
| Rating Type | | YIELD | MOICON | YIELD | WEITES | | |
| Rating Unit | | LBS | % | BU | LBS | | |
| Sample Size, Unit | 1 | PLOT | | 1 | A | | |
| Number of Subsamples | | 1 | 1 | 1 | 1 | | |
| Assessed By | | | | | | | |
| Days After First/Last Applic. | | 150 | 120 | 150 | 120 | 150 | 120 |
| Trt-Eval Interval | | | | | | | |
| Plant-Eval Interval | | 151 DP-1 | 151 DP-1 | 151 DP-1 | 151 DP-1 | | |
| Days After Emergence | | 145 DE-1 | 145 DE-1 | 145 DE-1 | 145 DE-1 | | |
| ARM Action Codes | | | | | TY1 | | |
| Number of Decimals | | | 1 | 1 | 1 | | 1 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | Appl Description | 29 | 30 | 31 | 32 |
|---------|--------------------|------------|-----------------|-----------|------------------|----------|--------|-----------|----------|
| 1 | UNTREATED | | | | | 25.8 d | 18.2 a | 130.1 d | 57.8 c-f |
| 2 | Balance Flexx | 4 oz/a | | A | PRE | 48.5 a | 18.4 a | 243.0 a | 58.3 a-e |
| | 2 Atrazine | 1 qt/a | | A | PRE | | | | |
| | 2 Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| | 2 N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| 3 | Balance Flexx | 4 oz/a | | A | PRE | 45.9 abc | 18.1 a | 230.6 ab | 58.4 a-e |
| | 3 Atrazine | 1 qt/a | | A | PRE | | | | |
| | 3 Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| | 3 DiFlexx | 8 oz/a | | C | POST | | | | |
| | 3 COC | 1 % v/v | | C | POST | | | | |
| | 3 N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| | 3 Interlock | 4 oz/a | | C | POST | | | | |
| 4 | Balance Flexx | 4 oz/a | | A | PRE | 43.7 abc | 18.0 a | 219.9 abc | 57.6 def |
| | 4 Atrazine | 1 qt/a | | A | PRE | | | | |
| | 4 Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| | 4 DiFlexx | 10 oz/a | | C | POST | | | | |
| | 4 COC | 1 % v/v | | C | POST | | | | |
| | 4 N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| | 4 Interlock | 4 oz/a | | C | POST | | | | |
| 5 | Balance Flexx | 4 oz/a | | A | PRE | 43.6 bc | 17.6 a | 220.7 abc | 57.5 ef |
| | 5 Atrazine | 1 qt/a | | A | PRE | | | | |
| | 5 Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| | 5 Laudis | 3 oz/a | | C | POST | | | | |
| | 5 DiFlexx | 8 oz/a | | C | POST | | | | |
| | 5 HC MSO | 0.5 % v/v | | C | POST | | | | |
| | 5 N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| | 5 Interlock | 4 oz/a | | C | POST | | | | |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

| | | | | | | | |
|-------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|
| Pest Type | | | | | | | |
| Pest Code | | | | | | | |
| Pest Scientific Name | | | | | | | |
| Pest Name | | | | | | | |
| Crop Code | | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX | ZEAMX |
| BBCH Scale | | BCOR | BCOR | BCOR | BCOR | BCOR | BCOR |
| Crop Scientific Name | | Zea mays | Zea mays | Zea mays | Zea mays | Zea mays | Zea mays |
| Crop Name | | Corn | Corn | Corn | Corn | Corn | Corn |
| Rating Date | | 10-1-2015 | 10-1-2015 | 10-1-2015 | 10-1-2015 | 10-1-2015 | 10-1-2015 |
| Rating Type | | YIELD | MOICON | YIELD | WEITES | | |
| Rating Unit | | LBS | % | BU | LBS | | |
| Sample Size, Unit | 1 | PLOT | | 1 | A | | |
| Number of Subsamples | | 1 | 1 | 1 | 1 | 1 | 1 |
| Assessed By | | | | | | | |
| Days After First/Last Applic. | | 150 | 120 | 150 | 120 | 150 | 120 |
| Trt-Eval Interval | | | | | | | |
| Plant-Eval Interval | | 151 DP-1 | 151 DP-1 | 151 DP-1 | 151 DP-1 | 151 DP-1 | 151 DP-1 |
| Days After Emergence | | 145 DE-1 | 145 DE-1 | 145 DE-1 | 145 DE-1 | 145 DE-1 | 145 DE-1 |
| ARM Action Codes | | | | | TY1 | | |
| Number of Decimals | | | 1 | 1 | 1 | 1 | 1 |

| Trt No. | Treatment Name | Other Rate | Other Rate Unit | Appl Code | Appl Description | 29 | 30 | 31 | 32 |
|---------|------------------|------------|-----------------|-----------|------------------|----------|--------|-----------|----------|
| 6 | Balance Flexx | 8 oz/a | | A | PRE | 43.9 abc | 17.7 a | 221.9 abc | 58.5 a-d |
| 6 | Atrazine | 1 qt/a | | A | PRE | | | | |
| 6 | Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| 6 | Laudis Flexx | 32 oz/a | | C | POST | | | | |
| 6 | HC MSO | 0.5 % v/v | | C | POST | | | | |
| 6 | N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| 6 | Interlock | 4 oz/a | | C | POST | | | | |
| 7 | Balance Flexx | 8 oz/a | | A | PRE | 42.4 bc | 18.0 a | 213.5 bc | 59.2 a |
| 7 | Atrazine | 1 qt/a | | A | PRE | | | | |
| 7 | Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| 7 | Laudis Flexx | 40 oz/a | | C | POST | | | | |
| 7 | HC MSO | 0.5 % v/v | | C | POST | | | | |
| 7 | N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| 7 | Interlock | 4 oz/a | | C | POST | | | | |
| 8 | Balance Flexx | 4 oz/a | | A | PRE | 43.0 bc | 18.5 a | 215.1 bc | 58.8 ab |
| 8 | Atrazine | 1 qt/a | | A | PRE | | | | |
| 8 | Roundup PowerMax | 32 oz/a | | C | POST | | | | |
| 8 | Status | 4 oz/a | | C | POST | | | | |
| 8 | COC | 1 % v/v | | C | POST | | | | |
| 8 | N PAK AMS | 1.5 qt/a | | C | POST | | | | |
| 8 | Interlock | 4 oz/a | | C | POST | | | | |
| 9 | Balance Flexx | 4 oz/a | | B | EPO | 41.4 c | 19.3 a | 204.9 c | 57.4 f |
| 9 | Atrazine | 0.75 qt/a | | B | EPO | | | | |
| 9 | Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 9 | N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 10 | Capreno | 3 oz/a | | B | EPO | 43.6 bc | 17.9 a | 219.5 abc | 58.3 a-e |
| 10 | Atrazine | 1 qt/a | | B | EPO | | | | |
| 10 | Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 10 | COC | 1 % v/v | | B | EPO | | | | |
| 10 | N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 10 | Interlock | 4 oz/a | | B | EPO | | | | |
| 11 | Capreno | 3 oz/a | | B | EPO | 43.6 bc | 18.0 a | 219.5 abc | 58.2 b-f |
| 11 | Atrazine | 1 qt/a | | B | EPO | | | | |
| 11 | Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 11 | DiFlexx | 8 oz/a | | B | EPO | | | | |
| 11 | COC | 1 % v/v | | B | EPO | | | | |
| 11 | N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 11 | Interlock | 4 oz/a | | B | EPO | | | | |

| | | | | | | | |
|-------------------------------|---|-----------|-----------|-----------|-----------|-----|-----|
| Pest Type | | | | | | | |
| Pest Code | | | | | | | |
| Pest Scientific Name | | | | | | | |
| Pest Name | | | | | | | |
| Crop Code | | ZEAMX | ZEAMX | ZEAMX | ZEAMX | | |
| BBCH Scale | | BCOR | BCOR | BCOR | BCOR | | |
| Crop Scientific Name | | Zea mays | Zea mays | Zea mays | Zea mays | | |
| Crop Name | | Corn | Corn | Corn | Corn | | |
| Rating Date | | 10-1-2015 | 10-1-2015 | 10-1-2015 | 10-1-2015 | | |
| Rating Type | | YIELD | MOICON | YIELD | WEITES | | |
| Rating Unit | | LBS | % | BU | LBS | | |
| Sample Size, Unit | 1 | PLOT | | 1 | A | | |
| Number of Subsamples | | 1 | 1 | 1 | 1 | | |
| Assessed By | | | | | | | |
| Days After First/Last Applic. | | 150 | 120 | 150 | 120 | 150 | 120 |
| Trt-Eval Interval | | | | | | | |
| Plant-Eval Interval | | 151 DP-1 | 151 DP-1 | 151 DP-1 | 151 DP-1 | | |
| Days After Emergence | | 145 DE-1 | 145 DE-1 | 145 DE-1 | 145 DE-1 | | |
| ARM Action Codes | | | | TY1 | | | |
| Number of Decimals | | 1 | 1 | 1 | 1 | | |

| Trt Treatment No. Name | Other Rate | Other Rate Unit | Appl Code | Appl Description | 29 | 30 | 31 | 32 |
|------------------------|------------|-----------------|-----------|------------------|----------|--------|-----------|----------|
| 12 Laudis | 3 oz/a | | B | EPO | 43.1 bc | 17.8 a | 217.4 bc | 58.6 abc |
| 12 Atrazine | 1 qt/a | | B | EPO | | | | |
| 12 Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 12 HC MSO | 0.5 % v/v | | B | EPO | | | | |
| 12 N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 13 Laudis | 3 oz/a | | B | EPO | 44.0 abc | 18.5 a | 220.1 abc | 58.2 b-f |
| 13 Atrazine | 1 qt/a | | B | EPO | | | | |
| 13 Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 13 DiFlexx | 8 oz/a | | B | EPO | | | | |
| 13 HC MSO | 0.5 % v/v | | B | EPO | | | | |
| 13 N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 13 Interlock | 4 oz/a | | B | EPO | | | | |
| 14 Laudis Flexx | 32 oz/a | | B | EPO | 43.3 bc | 18.2 a | 217.6 bc | 58.4 a-d |
| 14 Atrazine | 1 qt/a | | B | EPO | | | | |
| 14 Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 14 HC MSO | 0.5 % v/v | | B | EPO | | | | |
| 14 N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 14 Interlock | 4 oz/a | | B | EPO | | | | |
| 15 Laudis Flexx | 40 oz/a | | B | EPO | 46.6 ab | 18.1 a | 234.2 ab | 58.2 b-f |
| 15 Atrazine | 1 qt/a | | B | EPO | | | | |
| 15 Roundup PowerMax | 32 oz/a | | B | EPO | | | | |
| 15 HC MSO | 0.5 % v/v | | B | EPO | | | | |
| 15 N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| 15 Interlock | 4 oz/a | | B | EPO | | | | |
| 16 Halex GT | 3.6 pt/a | | B | EPO | 46.7 ab | 18.8 a | 232.8 ab | 58.7 ab |
| 16 Atrazine | 1 qt/a | | B | EPO | | | | |
| 16 NIS | 0.25 % v/v | | B | EPO | | | | |
| 16 N PAK AMS | 1.5 qt/a | | B | EPO | | | | |
| LSD P=.05 | | | | | 4.86 | 0.89 | 24.78 | 0.93 |
| Standard Deviation | | | | | 3.42 | 0.63 | 17.40 | 0.65 |
| CV | | | | | 7.93 | 3.45 | 8.04 | 1.12 |
| Grand Mean | | | | | 43.07 | 18.18 | 216.29 | 58.26 |
| Bartlett's X2 | | | | | 54.563 | 19.808 | 51.744 | 15.899 |
| P(Bartlett's X2) | | | | | 0.001* | 0.179 | 0.001* | 0.389 |
| Skewness | | | | | -3.3259* | 0.5171 | -3.3698* | 0.0685 |
| Kurtosis | | | | | 14.8396* | 0.3727 | 14.9518* | -1.044 |
| Replicate F | | | | | 2.108 | 4.623 | 2.385 | 9.146 |
| Replicate Prob(F) | | | | | 0.1125 | 0.0067 | 0.0817 | 0.0001 |
| Treatment F | | | | | 8.391 | 1.861 | 8.083 | 2.253 |
| Treatment Prob(F) | | | | | 0.0001 | 0.0550 | 0.0001 | 0.0182 |

Crop Code
 ZEAMX, BCOR, Zea mays, = US
 Rating Type

YIELD = yield
MOICON = moisture content
WEITES = weight - test
Rating Unit
% = percent
BU = bushel

PLOT = total plot
A = acre
Plant-Eval Interval
151 DP-1 = 1 ZEAMX 5-3-2015
ARM Action Codes
TY1 = $5.185714 * [29] * (100 - [30]) / 84.5$