

# Adjuvant Studies in Soybean

Southern Illinois University

Plexus with Kixor Herbicides.

Trial ID: 15-6C-W110 Location: Belleville Res. Center Trial Year: 2015  
Investigator: Ronald F. Krausz

**Trial Status:** F one-year/final  
**Initiation Date:** 5-13-15  
**Completion Date:** 6-17-15

**City:** Belleville **Country:** USA  
**State/Prov.:** Illinois IL  
**Postal Code:** 62221

## Trial Location

## Objectives:

Evaluate the effect of Plexus with Kixor herbicides.

## Contacts

**Study Director:** Ronald F. Krausz **Title:** Researcher/Farm Manager  
**Organization:** Belleville Research Center - Southern Illinois Univ Carbondale  
**Address:** 2036 Charles Lane **Phone No.:** 618-566-4761  
**City+State/Prov:** Belleville, IL **E-mail:** rkrausz@siu.edu  
**Postal Code:** 62221  
**Country:** USA

## Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** AG3832 **BBCH Scale:** BSOY  
**Description:** RR2Y  
**Planting Rate, Unit:** 140000 S/A  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 30 IN

**Planting Date:** 5-29-15  
**Planting Method:** SEEDED

## Pest Description

**Pest 1 Type:** W **Code:** AMBTR Ambrosia trifida L.  
**Common Name:** ragweed, giant

**Pest 2 Type:** W **Code:** CHEAL Chenopodium album L.  
**Common Name:** lambsquarters, common

**Pest 3 Type:** W **Code:** ERICA Conyza canadensis (L.) Crong.  
**Common Name:** horseweed

**Pest 4 Type:** W **Code:** STEME Stellaria media (L.) Vill.  
**Common Name:** chickweed, common

**Pest 5 Type:** W **Code:** SETFA Setaria faberi Herrm.  
**Common Name:** foxtail, giant

## Site and Design

**Treated Plot Width:** 7.5 FT **Total Plot Width:** 10 FT **Site Type:** FIELD  
**Treated Plot Length:** 30 FT **Total Plot Length:** 30 FT **Experimental Unit:** 1 PLOT  
**Tillage Type:** NOTILL no-till  
**Replications:** 4 **Study Design:** RACOB L Randomized Complete Block (RCB)  
**Untreated Arrangement:** INCLUDED single control randomized in each block

| No. | Previous Crop | Year |
|-----|---------------|------|
| 1.  | ZEAMD         | 2014 |

## Maintenance

| No. | Maintenance Product Name             |
|-----|--------------------------------------|
| 1.  | N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A |

## Soil Description

**Description Name:** 06C 2013  
**% OM:** 2.9 **Texture:** SIL silt loam  
**pH:** 6.7 **Soil Name:** Caseyville  
**CEC:** 7

## Additional Measured Elements

| Element | Quantity | Unit |
|---------|----------|------|
| P1      | 63       | lb/A |
| K       | 323      | lb/A |

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| Overall Moisture Conditions: ABONOR          |         |        |      |      |                  | Moisture and Weather Conditions |      |          |          |           |
|----------------------------------------------|---------|--------|------|------|------------------|---------------------------------|------|----------|----------|-----------|
| Closest Weather Station: ICN - Belleville IL |         |        |      |      |                  | Distance, Unit: 0.5 MI          |      |          |          |           |
| No.                                          | Date    | Amount | Unit | Type | Type Description | Interval                        | Unit | Min Temp | Max Temp | Temp Unit |
| 1.                                           | 4-1-15  |        |      |      |                  | 7                               | DAY  | 33       | 76       | F         |
| 2.                                           | 4-2-15  | 0.84   | IN   | RAIN | rain             | 2                               | DAY  |          |          |           |
| 3.                                           | 4-6-15  | 0.95   | IN   | RAIN | rain             | 4                               | DAY  |          |          |           |
| 4.                                           | 4-8-15  |        |      |      |                  | 7                               | DAY  | 43       | 78       | F         |
| 5.                                           | 4-13-15 | 1.02   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 6.                                           | 4-15-15 |        |      |      |                  | 7                               | DAY  | 42       | 79       | F         |
| 7.                                           | 4-19-15 | 0.42   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 8.                                           | 4-22-15 |        |      |      |                  | 7                               | DAY  | 36       | 77       | F         |
| 9.                                           | 4-25-15 | 0.35   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 10.                                          | 4-29-15 |        |      |      |                  | 7                               | DAY  | 36       | 84       | F         |
| 11.                                          | 5-6-15  |        |      |      |                  | 7                               | DAY  | 49       | 85       | F         |
| 12.                                          | 5-8-15  | 4.09   | IN   | RAIN | rain             | 4                               | DAY  |          |          |           |
| 13.                                          | 5-13-15 |        |      |      |                  | 7                               | DAY  | 45       | 83       | F         |
| 14.                                          | 5-14-15 | 0.33   | IN   | RAIN | rain             | 4                               | DAY  |          |          |           |
| 15.                                          | 5-20-15 |        |      |      |                  | 7                               | DAY  | 44       | 85       | F         |
| 16.                                          | 5-20-15 | 0.16   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 17.                                          | 5-24-15 | 0.89   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 18.                                          | 5-26-15 | 0.59   | IN   | RAIN | rain             | 2                               | DAY  |          |          |           |
| 19.                                          | 5-27-15 |        |      |      |                  | 7                               | DAY  | 55       | 84       | F         |
| 20.                                          | 5-29-15 | 2.15   | IN   | RAIN | rain             | 2                               | DAY  |          |          |           |
| 21.                                          | 6-3-15  |        |      |      |                  | 7                               | DAY  | 53       | 89       | F         |
| 22.                                          | 6-5-15  | 0.17   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 23.                                          | 6-8-15  | 0.66   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 24.                                          | 6-10-15 |        |      |      |                  | 7                               | DAY  | 64       | 91       | F         |
| 25.                                          | 6-14-15 | 0.16   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 26.                                          | 6-15-15 | 0.11   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 27.                                          | 6-16-15 | 2.25   | IN   | RAIN | rain             | 1                               | DAY  |          |          |           |
| 28.                                          | 6-17-15 |        |      |      |                  | 7                               | DAY  | 69       | 91       | F         |

## Application Description

|                              | A       |
|------------------------------|---------|
| Application Date:            | 5-13-15 |
| Appl. Start Time:            | 8:00    |
| Appl. Stop Time:             | 8:30    |
| Application Method:          | Spray   |
| Application Timing:          | EPP14   |
| Application Placement:       | BROFOL  |
| Applied By:                  | RFK     |
| Air Temperature, Unit:       | 60 F    |
| % Relative Humidity:         | 62      |
| Wind Velocity, Unit:         | 1 MPH   |
| Wind Direction:              | E       |
| Dew Presence (Y/N):          | N       |
| Soil Temperature, Unit:      | 63 F    |
| Soil Moisture:               | ABONOR  |
| % Cloud Cover:               | 0       |
| Next Moisture Occurred On:   | 5-14-15 |
| Time to Next Moisture, Unit: | 26 HR   |

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**Crop Stage At Each Application**

|                                 | <b>A</b> |
|---------------------------------|----------|
| <b>Crop 1 Code, BBCH Scale:</b> | GLXMA    |
| <b>Stage Scale Used:</b>        | DESC     |
| <b>Stage Majority, Percent:</b> | NA       |

**Pest Stage At Each Application**

|                                  | <b>A</b> |
|----------------------------------|----------|
| <b>Pest 1 Code, Type, Scale:</b> | AMBTR W  |
| <b>Stage Majority, Percent:</b>  | 8        |
| <b>Stage Minimum, Percent:</b>   | 5        |
| <b>Stage Maximum, Percent:</b>   | 8        |
| <b>Height, Unit:</b>             | 6 IN     |
| <b>Height Minimum, Maximum:</b>  | 2 8      |
| <b>Density, Unit:</b>            | 3 FT2    |
| <b>Pest 2 Code, Type, Scale:</b> | CHEAL W  |
| <b>Stage Majority, Percent:</b>  | 10+      |
| <b>Stage Minimum, Percent:</b>   | 10+      |
| <b>Stage Maximum, Percent:</b>   | 10+      |
| <b>Height, Unit:</b>             | 4 IN     |
| <b>Height Minimum, Maximum:</b>  | 4 6      |
| <b>Density, Unit:</b>            | 0.1 FT2  |
| <b>Pest 3 Code, Type, Scale:</b> | ERICA W  |
| <b>Stage Majority, Percent:</b>  | 10+      |
| <b>Stage Minimum, Percent:</b>   | 10+      |
| <b>Stage Maximum, Percent:</b>   | 10+      |
| <b>Height, Unit:</b>             | 6 IN     |
| <b>Height Minimum, Maximum:</b>  | 4 8      |
| <b>Density, Unit:</b>            | 0.01 FT2 |
| <b>Pest 4 Code, Type, Scale:</b> | STEME W  |
| <b>Stage Majority, Percent:</b>  | 10+      |
| <b>Stage Minimum, Percent:</b>   | 10+      |
| <b>Stage Maximum, Percent:</b>   | 10+      |
| <b>Height, Unit:</b>             | 4 IN     |
| <b>Height Minimum, Maximum:</b>  | 2 4      |
| <b>Density, Unit:</b>            | 1 FT2    |
| <b>Pest 5 Code, Type, Scale:</b> | SETFA W  |
| <b>Stage Majority, Percent:</b>  | NA       |

**Application Equipment**

|                                  | <b>A</b>    |
|----------------------------------|-------------|
| <b>Appl. Equipment:</b>          | CO2 sprayer |
| <b>Equipment Type:</b>           | BACSPR      |
| <b>Operation Pressure, Unit:</b> | 30 PSI      |
| <b>Nozzle Type:</b>              | XR          |
| <b>Nozzle Size:</b>              | 8002        |
| <b>Boom Length, Unit:</b>        | 7.5 FT      |
| <b>Spray Volume, Unit:</b>       | 15 GPA      |

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|                    |                |           |           |                |            |            |             |            |         |         |         |
|--------------------|----------------|-----------|-----------|----------------|------------|------------|-------------|------------|---------|---------|---------|
| Pest Code          |                |           |           |                |            |            |             | AMBTR      | AMBTR   | AMBTR   | AMBTR   |
| Crop Code          |                |           |           |                |            |            |             | 5-20-15    | 5-27-15 | 6-3-15  | 6-17-15 |
| Rating Date        |                |           |           |                |            |            |             | Control    | Control | Control | Control |
| Rating Type        |                |           |           |                |            |            |             | Percent    | Percent | Percent | Percent |
| Rating Unit        |                |           |           |                |            |            |             |            |         |         |         |
| Rating Timing      |                |           |           |                |            |            |             |            |         |         |         |
| Trt-Eval Interval  |                |           |           |                |            |            |             | 7 DA-A     | 14 DA-A | 21 DA-A | 35 DA-A |
| Trt No.            | Treatment Name | Form Conc | Form Type | Rate           | Other Rate | Other Rate | Growth Unit | Appl Stage | Code    |         |         |
| 1                  | NONTREATED     |           |           |                |            |            |             |            |         | 0       | 0       |
| 2                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  | 10 fl oz/a |            | EPP14 A     |            |         | 99 a    | 99 ab   |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        | 1 % v/v    |            | EPP14 A     |            |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |         |         |
| 3                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a | 1 fl oz/a  |            | EPP14 A     |            |         | 99 a    | 98 bc   |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        | 1 % v/v    |            | EPP14 A     |            |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |         |         |
| 4                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  | 10 fl oz/a |            | EPP14 A     |            |         | 99 a    | 99 a    |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     | 12 fl oz/a |            | EPP14 A     |            |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |         |         |
| 5                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a | 1 fl oz/a  |            | EPP14 A     |            |         | 99 a    | 98 c    |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     | 12 fl oz/a |            | EPP14 A     |            |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |         |         |
| LSD P=.05          |                |           |           |                |            |            |             |            |         | 0.5     | 1.9     |
| Standard Deviation |                |           |           |                |            |            |             |            |         | 0.3     | 1.2     |
| CV                 |                |           |           |                |            |            |             |            |         | 0.34    | 1.24    |
| Replicate F        |                |           |           |                |            |            |             |            |         | 0.000   | 1.500   |
| Replicate Prob(F)  |                |           |           |                |            |            |             |            |         | 1.0000  | 0.2797  |
| Treatment F        |                |           |           |                |            |            |             |            |         | 0.000   | 7.500   |
| Treatment Prob(F)  |                |           |           |                |            |            |             |            |         | 1.0000  | 0.0081  |
|                    |                |           |           |                |            |            |             |            |         |         | 0.0195  |
|                    |                |           |           |                |            |            |             |            |         |         | 0.1013  |

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.

Could not calculate LSD (% mean diff) for columns 5,6,7,11,15,19,8,12,16,20 because error mean square = 0.

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|                    |                |           |           |                |            |            |             |            |         |
|--------------------|----------------|-----------|-----------|----------------|------------|------------|-------------|------------|---------|
| Pest Code          |                |           |           |                |            | CHEAL      | CHEAL       | CHEAL      | CHEAL   |
| Crop Code          |                |           |           |                |            | 5-20-15    | 5-27-15     | 6-3-15     | 6-17-15 |
| Rating Date        |                |           |           |                |            | Control    | Control     | Control    | Control |
| Rating Type        |                |           |           |                |            | Percent    | Percent     | Percent    | Percent |
| Rating Unit        |                |           |           |                |            |            |             |            |         |
| Rating Timing      |                |           |           |                |            |            |             |            |         |
| Trt-Eval Interval  |                |           |           |                |            | 7 DA-A     | 14 DA-A     | 21 DA-A    | 35 DA-A |
| Trt No.            | Treatment Name | Form Conc | Form Type | Rate           | Other Rate | Other Rate | Growth Unit | Appl Stage | Code    |
| 1                  | NONTREATED     |           |           |                |            |            |             |            |         |
| 2                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  | 10 fl oz/a |            | EPP14 A     |            |         |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        | 1 % v/v    |            | EPP14 A     |            |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |
| 3                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a | 1 fl oz/a  |            | EPP14 A     |            |         |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        | 1 % v/v    |            | EPP14 A     |            |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |
| 4                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  | 10 fl oz/a |            | EPP14 A     |            |         |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     | 12 fl oz/a |            | EPP14 A     |            |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |
| 5                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a | 1 fl oz/a  |            | EPP14 A     |            |         |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     | 12 fl oz/a |            | EPP14 A     |            |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         |
| LSD P=.05          |                |           |           |                |            | 0          | 0.5         | 2.5        | 9.8     |
| Standard Deviation |                |           |           |                |            | 0.0        | 0.3         | 1.5        | 6.1     |
| CV                 |                |           |           |                |            | 0.0        | 0.35        | 1.57       | 6.36    |
| Replicate F        |                |           |           |                |            | 0.000      | 1.941       | 0.628      | 0.621   |
| Replicate Prob(F)  |                |           |           |                |            | 1.0000     | 0.1936      | 0.6150     | 0.6192  |
| Treatment F        |                |           |           |                |            | 0.000      | 1.941       | 0.140      | 0.058   |
| Treatment Prob(F)  |                |           |           |                |            | 1.0000     | 0.1936      | 0.9338     | 0.9805  |

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|                    |                |           |           |                |           |            |                 |              |           |         |         |         |
|--------------------|----------------|-----------|-----------|----------------|-----------|------------|-----------------|--------------|-----------|---------|---------|---------|
| Pest Code          |                |           |           |                |           |            |                 |              | ERICA     | ERICA   | ERICA   | ERICA   |
| Crop Code          |                |           |           |                |           |            |                 |              | 5-20-15   | 5-27-15 | 6-3-15  | 6-17-15 |
| Rating Date        |                |           |           |                |           |            |                 |              | Control   | Control | Control | Control |
| Rating Type        |                |           |           |                |           |            |                 |              | Percent   | Percent | Percent | Percent |
| Rating Unit        |                |           |           |                |           |            |                 |              |           |         |         |         |
| Rating Timing      |                |           |           |                |           |            |                 |              |           |         |         |         |
| Trt-Eval Interval  |                |           |           |                |           |            |                 |              | 7 DA-A    | 14 DA-A | 21 DA-A | 35 DA-A |
| Trt No.            | Treatment Name | Form Conc | Form Type | Rate           | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code |         |         |         |
| 1                  | NONTREATED     |           |           |                |           |            |                 |              |           | 0       | 0       | 0       |
| 2                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  |           | 10 fl oz/a |                 | EPP14 A      |           | 99 a    | 99 a    | 99 a    |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        |           | 1 % v/v    |                 | EPP14 A      |           |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        |           | 1 % w/w    |                 | EPP14 A      |           |         |         |         |
| 3                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a |           | 1 fl oz/a  |                 | EPP14 A      |           | 99 a    | 99 a    | 99 a    |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        |           | 1 % v/v    |                 | EPP14 A      |           |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        |           | 1 % w/w    |                 | EPP14 A      |           |         |         |         |
| 4                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  |           | 10 fl oz/a |                 | EPP14 A      |           | 99 a    | 99 a    | 99 a    |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     |           | 12 fl oz/a |                 | EPP14 A      |           |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        |           | 1 % w/w    |                 | EPP14 A      |           |         |         |         |
| 5                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a |           | 1 fl oz/a  |                 | EPP14 A      |           | 99 a    | 99 a    | 99 a    |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     |           | 12 fl oz/a |                 | EPP14 A      |           |         |         |         |
|                    | AMS            | 100 SG    |           | 1 % w/w        |           | 1 % w/w    |                 | EPP14 A      |           |         |         |         |
| LSD P=.05          |                |           |           |                |           |            |                 |              |           | 0.0     | 0.0     | 0.0     |
| Standard Deviation |                |           |           |                |           |            |                 |              |           | 0.0     | 0.0     | 0.0     |
| CV                 |                |           |           |                |           |            |                 |              |           | 0.0     | 0.0     | 0.0     |
| Replicate F        |                |           |           |                |           |            |                 |              |           | 0.000   | 0.000   | 0.000   |
| Replicate Prob(F)  |                |           |           |                |           |            |                 |              |           | 1.0000  | 1.0000  | 1.0000  |
| Treatment F        |                |           |           |                |           |            |                 |              |           | 0.000   | 0.000   | 0.000   |
| Treatment Prob(F)  |                |           |           |                |           |            |                 |              |           | 1.0000  | 1.0000  | 1.0000  |

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|                    |                |           |           |                |            |            |             |            |         |         |
|--------------------|----------------|-----------|-----------|----------------|------------|------------|-------------|------------|---------|---------|
| Pest Code          |                |           |           |                |            | STEME      | STEME       | STEME      | STEME   | SETFA   |
| Crop Code          |                |           |           |                |            | 5-20-15    | 5-27-15     | 6-3-15     | 6-17-15 | 6-17-15 |
| Rating Date        |                |           |           |                |            | Control    | Control     | Control    | Control | Control |
| Rating Type        |                |           |           |                |            | Percent    | Percent     | Percent    | Percent | Percent |
| Rating Unit        |                |           |           |                |            |            |             |            |         |         |
| Rating Timing      |                |           |           |                |            |            |             |            |         |         |
| Trt-Eval Interval  |                |           |           |                |            | 7 DA-A     | 14 DA-A     | 21 DA-A    | 35 DA-A | 35 DA-A |
| Trt No.            | Treatment Name | Form Conc | Form Type | Rate           | Other Rate | Other Rate | Growth Unit | Appl Stage | Code    |         |
| 1                  | NONTREATED     |           |           |                |            |            |             |            |         | 0       |
| 2                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  | 10 fl oz/a |            | EPP14 A     |            |         | 99 a    |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        | 1 % v/v    |            | EPP14 A     |            |         | 99 a    |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         | 99 a    |
| 3                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a | 1 fl oz/a  |            | EPP14 A     |            |         | 99 a    |
|                    | SUNDANCE II    | 100 SL    |           | 1 % v/v        | 1 % v/v    |            | EPP14 A     |            |         | 99 a    |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         | 99 a    |
| 4                  | VERDICT        | 5.57 EC   |           | 0.435 lb ai/a  | 10 fl oz/a |            | EPP14 A     |            |         | 99 a    |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     | 12 fl oz/a |            | EPP14 A     |            |         | 99 a    |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         | 99 a    |
| 5                  | SHARPEN        | 2.85 SC   |           | 0.0223 lb ai/a | 1 fl oz/a  |            | EPP14 A     |            |         | 99 a    |
|                    | PLEXUS         | 100 SL    |           | 12 fl oz/a     | 12 fl oz/a |            | EPP14 A     |            |         | 99 a    |
|                    | AMS            | 100 SG    |           | 1 % w/w        | 1 % w/w    |            | EPP14 A     |            |         | 99 a    |
| LSD P=.05          |                |           |           |                |            |            |             |            |         | 36.2    |
| Standard Deviation |                |           |           |                |            |            |             |            |         | 22.6    |
| CV                 |                |           |           |                |            |            |             |            |         | 28.63   |
| Replicate F        |                |           |           |                |            |            |             |            |         | 0.000   |
| Replicate Prob(F)  |                |           |           |                |            |            |             |            |         | 1.0000  |
| Treatment F        |                |           |           |                |            |            |             |            |         | 0.000   |
| Treatment Prob(F)  |                |           |           |                |            |            |             |            |         | 1.0000  |

Plexus with Kixor Herbicides.

Trial ID: 15-6C-W110      Location: Belleville Res. Center      Trial Year: 2015  
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: Rosen's (EPP).
2. Ratings:  
WC at 7, 14, 21, and 35 DA-A.
3. Yield not requested.
4. Blanket application of Roundup Powermax (32 floz/A) to be applied to all plots after the last rating.
5. Rainfall following the EPP14 application was 0.33 inch over 4 days beginning 26 hours later.
6. Reduction in AMBTR and CHEAL control at the 5-27-15 (14 DA-A) rating was due to plant regrowth from the main stem.
7. By the time of the 6-17-15 evaluation, STEME was naturally senescing and could no longer be rated.
8. Not harvested.