# Ohio State University
# Horticulture and Crop Science

**Evaluate tank-mix and timing for improved marestail control with Kixor; and Linuron burndown treatments**

Title No. 2:
Trial ID: 11NTS2 Protocol ID: 11NTS2
Location: Study Director: Bryan Reeb
Project ID: 11NTS2 Investigator: Dr. Mark M. Loux
Sponsor Contact: Caren Judge, BASF

## General Trial Information

**Study Director:** Bryan Reeb **Title:** Research Technician
**Investigator:** Dr. Mark M. Loux **Title:** Professor

## Trial Location

**City:** South Charleston **Latitude of LL Corner °:** 39.85849 N
**State/Prov.:** Ohio **Longitude of LL Corner °:** -83.66886 W
**Postal Code:** 45368
**Country:** USA

## Crop Description

**Crop 1:** GLXMA Glycine max Soybean
**Variety:** AG 3631 **Description:** Round up Ready
**BBCH Scale:** BSOY **Planting Date:** 6/15/11
**Planting Method:** SEEDED seeded **Rate, Unit:** 197000 S/A
**Depth, Unit:** 0.75 IN
**Row Spacing, Unit:** 15 IN
**Seed Bed:** CLODDY cloddy
**Soil Moisture:** NO-TIL

## Pest Description

**Pest 1 Type:** W **Code:** LAMPU Lamium purpureum
**Common Name:** Purple deadnettel

**Pest 2 Type:** W **Code:** STEME Stellaria media
**Common Name:** Common chickweed

**Pest 3 Type:** W **Code:** TAROF Taraxacum officinale
**Common Name:** Common dandelion

**Pest 4 Type:** W **Code:** AMBTR Ambrosia trifida
**Common Name:** Giant ragweed

**Pest 5 Type:** W **Code:** ERICA Conyza canadensis
**Common Name:** Canada horseweed

**Pest 6 Type:** W **Code:** CHEAL Chenopodium album
**Common Name:** Common lambsquarters

**Pest 7 Type:** W **Code:** RANAB Ranunculus abortivus
**Common Name:** Smallflower buttercup

**Pest 8 Type:** W **Code:** ERICA Conyza canadensis
**Common Name:** Canada horseweed

## Site and Design

**Plot Width, Unit:** 6.67 FT
**Plot Length, Unit:** 30 FT
**Plot Area, Unit:** 200.1 FT2
**Replications:** 3
**Site Type:** FIELD field
**Experimental Unit:** 1 PLOT plot
**Tillage Type:** NOTILL no-till
**Study Design:** RACOBL Randomized Complete Block (RCB)
**Untreated Arrangement:** INCLUDED single control randomized in each block

## Soil Description

**Description Name:** ENT W-6
**% OM:** 2.6 **Texture:** SICL silty clay loam
**pH:** 7.1 **Soil Name:** Kokomo
**CEC:** 17.8 **Fert. Level:** G good
**Soil Drainage:** G good

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# Horticulture and Crop Science

## Application Description

| | A | B | C |
|---|---|---|---|
| **Application Date:** | 6/9/11 | 6/15/11 | 7/21/11 |
| **Time of Day:** | 8:30 AM | 9:15 AM | 11:00 A.M |
| **Application Method:** | SPRAY | SPRAY | SPRAY |
| **Application Timing:** | 7 EPP | ATPL | |
| **Application Placement:** | BROFOL | BROFOL | BROFOL |
| **Air Temperature, Unit:** | 81 F | 63.4 F | 90 F |
| **% Relative Humidity:** | 58 | 70 | 69 |
| **Wind Velocity, Unit:** | 2.5 MPH | 8.0 MPH | 6 MPH |
| **Wind Direction:** | SW | ESE | W |
| **Dew Presence (Y/N):** | N no | N no | N no |
| **Soil Temperature, Unit:** | | | 79 F |
| **Soil Moisture:** | DRY | BRY | MOIST |
| **% Cloud Cover:** | 5 | 90 | 15 |
| **Next Rain Occurred On:** | 6/10/11 | 7/2/11 | 7/24/11 |

## Crop Stage At Each Application

| | A | B | C |
|---|---|---|---|
| **Crop 1 Code, BBCH Scale:** | GLXMA BSOY | GLXMA BSOY | GLXMA BSOY |
| **Stage Scale Used:** | | | BBCH |
| **Stage Majority, Percent:** | | | 14 |
| **Stage Maximum, Percent:** | | | 15 |
| **Height, Unit:** | | | 12 IN |
| **Height Minimum, Maximum:** | | | 12 13 |

## Pest Stage At Each Application

| | A | B | C |
|---|---|---|---|
| **Pest 1 Code, Type, Scale:** | LAMPU W | LAMPU W | LAMPU W |
| **Stage Majority, Percent:** | 65 100 | | |
| **Height, Unit:** | 3 IN | | |
| **Pest 2 Code, Type, Scale:** | STEME W | STEME W | STEME W |
| **Stage Majority, Percent:** | 65 100 | | |
| **Height, Unit:** | 3 IN | | |
| **Pest 3 Code, Type, Scale:** | TAROF W | TAROF W | TAROF W |
| **Stage Majority, Percent:** | 65 100 | 67 100 | |
| **Diameter, Unit:** | 12 IN | 12 IN | |
| **Pest 4 Code, Type, Scale:** | AMBTR W | AMBTR W | AMBTR W |
| **Stage Majority, Percent:** | 19 100 | 19 100 | 19 100 |
| **Height, Unit:** | 18 IN | 14 IN | 12 IN |
| **Height Minimum, Maximum:** | 15 20 | 10 14 | 12 12 |
| **Density, Unit:** | 4 M2 | 4 M2 | 4 M2 |
| **Pest 5 Code, Type, Scale:** | ERICA W | ERICA W | ERICA W |
| **Stage Majority, Percent:** | 19 100 | 15 100 | |
| **Diameter, Unit:** | 3 IN | 2 IN | |
| **Height, Unit:** | 3 IN | 1 2 | 10 IN |
| **Height Minimum, Maximum:** | | | 4 12 |
| **Density, Unit:** | 93.33 M2 | 93.33 M2 | 93.33 M2 |
| **Pest 6 Code, Type, Scale:** | CHEAL W | CHEAL W | CHEAL W |
| **Stage Majority, Percent:** | 14 100 | | |
| **Height, Unit:** | 1 IN | | |
| **Pest 7 Code, Type, Scale:** | RANAB W | RANAB W | RANAB W |
| **Stage Majority, Percent:** | | 18 100 | |
| **Height, Unit:** | | 4 IN | |
| **Height Minimum, Maximum:** | | 3 4 | |
| **Pest 8 Code, Type, Scale:** | ERICA W | ERICA W | ERICA W |
| **Stage Majority, Percent:** | | 30 100 | |
| **Height, Unit:** | | 7 IN | |
| **Height Minimum, Maximum:** | | 4 7 | |

## Application Equipment

| | A | B | C |
|---|---|---|---|
| **Appl. Equipment:** | Backpack | | |
| **Equipment Type:** | SPRBAC | | |
| **Operating Pressure, Unit:** | 44 PSI | | |
| **Nozzle Type:** | DG | | |
| **Nozzle Size:** | 11002 | | |
| **Nozzle Spacing, Unit:** | 18 IN | | |
| **Boom Length, Unit:** | 10 FT | | |
| **Boom Height, Unit:** | 18 IN | | |
| **Ground Speed, Unit:** | 3 MPH | | |
| **Carrier:** | WATER | | |
| **Spray Volume, Unit:** | 15 gal/ac | | |
| **Mix Size, Unit:** | 0.5 gallons | | |
| **Propellant:** | COMCO2 | | |

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Location: Study Director: Bryan Reeb
Project ID: 11NTS2 Investigator: Dr. Mark M. Loux
Sponsor Contact: Caren Judge, BASF

| Trt No. | Treatment Name | Form Conc | Other Rate | Other Rate Unit | Appl Code | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pest Type | | | | | W Weed | W Weed | W Weed | W Weed | W Weed |
| | Pest Code | | | | | AMBTR | VERAG | ERICA | AMBTR | VERAG |
| | Pest Scientific Name | | | | | Ambrosia trifi> | Veronica agres> | Conyza canaden> | Ambrosia trifi> | Veronica agres> |
| | Pest Name | | | | | Giant ragweed | Field speedwell | Canada horsewe> | Giant ragweed | Field speedwell |
| | Rating Date | | | | | 6/15/11 | 6/15/11 | 6/15/11 | 6/23/11 | 6/23/11 |
| | Rating Type | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| | Rating Unit | | | | | % | % | % | % | % |
| | Number of Subsamples | | | | | 1 | 1 | 1 | 1 | 1 |
| | Days After First/Last Applic. | | | | | 6 6 | 6 6 | 6 6 | 14 8 | 14 8 |
| | Trt-Eval Interval | | | | | 6 DA-A | 6 DA-A | 6 DA-A | 14 DA-A | 14 DA-A |
| | Plant-Eval Interval | | | | | 0 DP-1 | 0 DP-1 | 0 DP-1 | 8 DP-1 | 8 DP-1 |
| | Number of Decimals | | | | | 0 | 0 | 0 | 0 | 0 |
| 1 | Roundup Power Max | 4.5 | 22 | oz/a | A | 43 | 63 | 43 | 90 | 100 |
| 1 | 2,4-D Ester | 4 | 1 | pt/a | A | | | | | |
| 1 | NIS | 100 | 0.15 | qt/a | A | | | | | |
| 1 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 2 | Sharpen | 2.85 | 1 | oz/a | A | 83 | 73 | 83 | 95 | 100 |
| 2 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 2 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 2 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 3 | Sharpen | 2.85 | 1.5 | oz/a | A | 85 | 72 | 75 | 100 | 100 |
| 3 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 3 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 3 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 4 | Verdict | 5.57 | 5 | oz/a | A | 90 | 70 | 85 | 100 | 100 |
| 4 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 4 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 4 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 5 | Sharpen | 2.85 | 1 | oz/a | A | 85 | 63 | 72 | 100 | 100 |
| 5 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 5 | 2,4-D Ester | 4 | 1 | pt/a | A | | | | | |
| 5 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 5 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 6 | Valor XLT @ 3.0 oz | | | | | 75 | 67 | 47 | 100 | 100 |
| 6 | Valor SX | 51 | 1.76 | oz/a | A | | | | | |
| 6 | Classic | 25 | 1.24 | oz/a | A | | | | | |
| 6 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 6 | 2,4-D Ester | 4 | 1 | pt/a | A | | | | | |
| 6 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 6 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 7 | Sharpen | 2.85 | 1 | oz/a | B | 0 | 0 | 0 | 100 | 100 |
| 7 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |
| 7 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 7 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 8 | Sharpen | 2.85 | 1.5 | oz/a | B | 0 | 0 | 0 | 99 | 100 |
| 8 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |
| 8 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 8 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 9 | Verdict | 5.57 | 5 | oz/a | B | 0 | 0 | 0 | 100 | 100 |
| 9 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |
| 9 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 9 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 10 | Authority First | 70 | 3 | oz/a | B | 0 | 0 | 0 | 88 | 100 |
| 10 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Pest Type | | | | | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | | | | | AMBTR | VERAG | ERICA | AMBTR | VERAG |
| Pest Scientific Name | | | | | Ambrosia trifi> | Veronica agres> | Conyza canaden> | Ambrosia trifi> | Veronica agres> |
| Pest Name | | | | | Giant ragweed | Field speedwell | Canada horsewe> | Giant ragweed | Field speedwell |
| Rating Date | | | | | 6/15/11 | 6/15/11 | 6/15/11 | 6/23/11 | 6/23/11 |
| Rating Type | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | | | % | % | % | % | % |
| Number of Subsamples | | | | | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | | | | | 6 6 | 6 6 | 6 6 | 14 8 | 14 8 |
| Trt-Eval Interval | | | | | 6 DA-A | 6 DA-A | 6 DA-A | 14 DA-A | 14 DA-A |
| Plant-Eval Interval | | | | | 0 DP-1 | 0 DP-1 | 0 DP-1 | 8 DP-1 | 8 DP-1 |
| Number of Decimals | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Other Rate | Other Rate Unit | Appl Code | 1 | 2 | 3 | 4 | 5 |
| 10 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 10 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 11 | Lorox | 4 | 32 | oz/a | B | 0 | 0 | 0 | 93 | 100 |
| 11 | Ignite | 2.34 | 16 | oz/a | B | | | | | |
| 11 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 12 | Lorox | 4 | 32 | oz/a | B | 0 | 0 | 0 | 98 | 100 |
| 12 | Ignite | 2.34 | 22 | oz/a | B | | | | | |
| 12 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 13 | Lorox | 4 | 16 | oz/a | B | 0 | 0 | 0 | 98 | 100 |
| 13 | Ignite | 2.34 | 22 | oz/a | B | | | | | |
| 13 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 14 | Lorox | 4 | 32 | oz/a | B | 0 | 0 | 0 | 100 | 100 |
| 14 | Gramoxone Inteon | 2 | 2 | pt/a | B | | | | | |
| 14 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 14 | COC | 100 | 0.6 | qt/a | B | | | | | |
| LSD (P=.05) | | | | | | 6.9 | 9.0 | 9.1 | 6.6 | 0.0 |
| Standard Deviation | | | | | | 4.1 | 5.4 | 5.4 | 3.9 | 0.0 |
| CV | | | | | | 12.46 | 18.46 | 18.73 | 4.04 | 0.0 |
| Bartlett's X2 | | | | | | 2.225 | 5.537 | 3.828 | 10.336 | 0.0 |
| P(Bartlett's X2) | | | | | | 0.694 | 0.236 | 0.574 | 0.111 | . |
| Replicate F | | | | | | 4.263 | 2.239 | 2.616 | 3.663 | 0.000 |
| Replicate Prob(F) | | | | | | 0.0250 | 0.1268 | 0.0922 | 0.0397 | 1.0000 |
| Treatment F | | | | | | 297.390 | 127.161 | 135.789 | 3.150 | 0.000 |
| Treatment Prob(F) | | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0062 | 1.0000 |

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| Trt No. | Treatment Name | Form Conc | Other Rate | Other Rate Unit | Appl Code | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pest Type | | | | | W Weed | W Weed | W Weed | W Weed | W Weed |
| | Pest Code | | | | | ERICA | AMBTR | ERICA | AMBTR | ERICA |
| | Pest Scientific Name | | | | | Conyza canaden> | Ambrosia trifi> | Conyza canaden> | Ambrosia trifi> | Conyza canaden> |
| | Pest Name | | | | | Canada horsewe> | Giant ragweed | Canada horsewe> | Giant ragweed | Canada horsewe> |
| | Rating Date | | | | | 6/23/11 | 7/20/11 | 7/20/11 | 8/17/11 | 8/17/11 |
| | Rating Type | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| | Rating Unit | | | | | % | % | % | % | % |
| | Number of Subsamples | | | | | 1 | 1 | 1 | 1 | 1 |
| | Days After First/Last Applic. | | | | | 14 8 | 41 35 | 41 35 | 69 27 | 69 27 |
| | Trt-Eval Interval | | | | | 14 DA-A | -1 DA-C | -1 DA-C | 27 DA-C | 27 DA-C |
| | Plant-Eval Interval | | | | | 8 DP-1 | 35 DP-1 | 35 DP-1 | 63 DP-1 | 63 DP-1 |
| | Number of Decimals | | | | | 0 | 0 | 0 | 0 | 0 |
| 1 | Roundup Power Max | 4.5 | 22 | oz/a | A | 37 | 90 | 33 | 100 | 53 |
| 1 | 2,4-D Ester | 4 | 1 | pt/a | A | | | | | |
| 1 | NIS | 100 | 0.15 | qt/a | A | | | | | |
| 1 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 2 | Sharpen | 2.85 | 1 | oz/a | A | 77 | 90 | 63 | 100 | 60 |
| 2 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 2 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 2 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 3 | Sharpen | 2.85 | 1.5 | oz/a | A | 53 | 63 | 47 | 100 | 53 |
| 3 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 3 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 3 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 4 | Verdict | 5.57 | 5 | oz/a | A | 93 | 73 | 77 | 100 | 78 |
| 4 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 4 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 4 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 5 | Sharpen | 2.85 | 1 | oz/a | A | 87 | 100 | 72 | 100 | 73 |
| 5 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 5 | 2,4-D Ester | 4 | 1 | pt/a | A | | | | | |
| 5 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 5 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 6 | Valor XLT @ 3.0 oz | | | | | 60 | 99 | 65 | 100 | 75 |
| 6 | Valor SX | 51 | 1.76 | oz/a | A | | | | | |
| 6 | Classic | 25 | 1.24 | oz/a | A | | | | | |
| 6 | Roundup Power Max | 4.5 | 22 | oz/a | A | | | | | |
| 6 | 2,4-D Ester | 4 | 1 | pt/a | A | | | | | |
| 6 | MSO | 100 | 0.6 | qt/a | A | | | | | |
| 6 | N-pak ams | 100 | 3 | qt/a | A | | | | | |
| 7 | Sharpen | 2.85 | 1 | oz/a | B | 83 | 99 | 62 | 100 | 68 |
| 7 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |
| 7 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 7 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 8 | Sharpen | 2.85 | 1.5 | oz/a | B | 92 | 66 | 58 | 100 | 77 |
| 8 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |
| 8 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 8 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 9 | Verdict | 5.57 | 5 | oz/a | B | 83 | | 57 | 100 | 68 |
| 9 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |
| 9 | MSO | 100 | 0.6 | qt/a | B | | | | | |
| 9 | N-pak ams | 100 | 3 | qt/a | B | | | | | |
| 10 | Authority First | 70 | 3 | oz/a | B | 50 | 88 | 77 | 100 | 85 |
| 10 | Roundup Power Max | 4.5 | 22 | oz/a | B | | | | | |

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# Horticulture and Crop Science

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Pest Type | | | | | W Weed | W Weed | W Weed | W Weed | W Weed |
| Pest Code | | | | | ERICA | AMBTR | ERICA | AMBTR | ERICA |
| Pest Scientific Name | | | | | Conyza canaden> | Ambrosia trifi> | Conyza canaden> | Ambrosia trifi> | Conyza canaden> |
| Pest Name | | | | | Canada horsewe> | Giant ragweed | Canada horsewe> | Giant ragweed | Canada horsewe> |
| Rating Date | | | | | 6/23/11 | 7/20/11 | 7/20/11 | 8/17/11 | 8/17/11 |
| Rating Type | | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | | | | | % | % | % | % | % |
| Number of Subsamples | | | | | 1 | 1 | 1 | 1 | 1 |
| Days After First/Last Applic. | | | | | 14 8 | 41 35 | 41 35 | 69 27 | 69 27 |
| Trt-Eval Interval | | | | | 14 DA-A | -1 DA-C | -1 DA-C | 27 DA-C | 27 DA-C |
| Plant-Eval Interval | | | | | 8 DP-1 | 35 DP-1 | 35 DP-1 | 63 DP-1 | 63 DP-1 |
| Number of Decimals | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Form Conc | Other Rate | Other Rate Unit | Appl Code | 6 | 7 | 8 | 9 | 10 |
| 10 | MSO | 100 | 0.6 qt/a | B | | | | | | |
| 10 | N-pak ams | 100 | 3 qt/a | B | | | | | | |
| 11 | Lorox | 4 | 32 oz/a | B | | 57 | 57 | 33 | 100 | 37 |
| 11 | Ignite | 2.34 | 16 oz/a | B | | | | | | |
| 11 | N-pak ams | 100 | 3 qt/a | B | | | | | | |
| 12 | Lorox | 4 | 32 oz/a | B | | 82 | 96 | 50 | 100 | 50 |
| 12 | Ignite | 2.34 | 22 oz/a | B | | | | | | |
| 12 | N-pak ams | 100 | 3 qt/a | B | | | | | | |
| 13 | Lorox | 4 | 16 oz/a | B | | 62 | | 43 | 100 | 53 |
| 13 | Ignite | 2.34 | 22 oz/a | B | | | | | | |
| 13 | N-pak ams | 100 | 3 qt/a | B | | | | | | |
| 14 | Lorox | 4 | 32 oz/a | B | | 47 | | 43 | 100 | 47 |
| 14 | Gramoxone Inteon | 2 | 2 pt/a | B | | | | | | |
| 14 | N-pak ams | 100 | 3 qt/a | B | | | | | | |
| 14 | COC | 100 | 0.6 qt/a | B | | | | | | |
| LSD (P=.05) | | | | | | 17.4 | 29.3 | 27.9 | 0.0 | 18.5 |
| Standard Deviation | | | | | | 10.4 | 16.4 | 16.6 | 0.0 | 11.0 |
| CV | | | | | | 15.09 | 19.62 | 29.79 | 0.0 | 17.59 |
| Bartlett's X2 | | | | | | 4.722 | 2.052 | 13.446 | 0.0 | 7.927 |
| P(Bartlett's X2) | | | | | | 0.944 | 0.842 | 0.414 | . | 0.791 |
| Replicate F | | | | | | 0.022 | 0.245 | 0.979 | 0.000 | 0.826 |
| Replicate Prob(F) | | | | | | 0.9781 | 0.7867 | 0.3891 | 1.0000 | 0.4489 |
| Treatment F | | | | | | 9.626 | 2.826 | 2.298 | 0.000 | 4.987 |
| Treatment Prob(F) | | | | | | 0.0001 | 0.0459 | 0.0344 | 1.0000 | 0.0002 |

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**Evaluate tank-mix and timing for improved marestail control with Kixor; and Linuron burndown treatments**

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Trial ID: 11NTS2 Protocol ID: 11NTS2
Location: Study Director: Bryan Reeb
Project ID: 11NTS2 Investigator: Dr. Mark M. Loux
Sponsor Contact: Caren Judge, BASF

Pest Type
W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop
Pest Code
AMBTR, Ambrosia trifida, = US
VERAG, Veronica agrestis, = US
ERICA, Conyza canadensis, = US
Rating Type
CONTRO = control / burndown or knockdown
Rating Unit
% = percent
Plant-Eval Interval
0 DP-1 = 1 6/15/11
8 DP-1 = 1 6/15/11
35 DP-1 = 1 6/15/11
63 DP-1 = 1 6/15/11