

Syngenta ICS Corn Trial.

Trial ID: 11-52-E205

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 6-4-11

Objectives: Evaluate Syngenta programs in corn for yield.

Crop 1: ZEAMD Dent corn Variety: See treatment list
 Planting Method: SEEDED Planting Date: 6-4-11
 Rate, Unit: 32000 S/A Depth, Unit: 1.5 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: PANDI Panicum dichotomiflorum Michx. panicum, fall
 Pest 2 Type: W Code: CYPES Cyperus esculentus L. nutsedge, yellow

Plot Width, Unit: 15 FT Site Type: FIELD
 Plot Length, Unit: 90 FT Tillage Type: REDUCED-TILL
 Replications: 1 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2010

Field Prep./Maintenance: N 200 LB/A, P205 50 LB/A, K20 150 LB/A

% OM: 1.5 Texture: SILT LOAM
 pH: 7 Soil Name: PIERRON
 CEC: 7 Fert. Level: P1: 63 LB/A, K: 274 LB/A

Application Description

| | A | B | C | D |
|-------------------------|--------|---------|---------|--------|
| Application Date: | 6-6-11 | 6-29-11 | 6-24-11 | 8-1-11 |
| Time of Day: | 11:00 | 9:30 | 8:30 | 11:30 |
| Application Method: | Spray | Spray | Spray | Spray |
| Application Timing: | PRE | 4-6"W | V5 | R1 |
| Application Placement: | BROSOI | BROFOL | BROFOL | BROFOL |
| Applied By: | JRK | LAH | LAH | LAH |
| Air Temperature, Unit: | 92 F | 79 F | 72 F | 94 F |
| % Relative Humidity: | 50 | 58 | 62 | 54 |
| Wind Velocity, Unit: | 5 MPH | 0 MPH | 5 MPH | 0 MPH |
| Wind Direction: | SW | | NW | |
| Dew Presence (Y/N): | N | N | N | N |
| Soil Temperature, Unit: | 76 F | 76 F | 74 F | 83 F |
| Soil Moisture: | NORMAL | ABONOR | ABONOR | NORMAL |
| % Cloud Cover: | 0 | 0 | 0 | 0 |

| | A | B | C | D |
|----------------------------|----|-------|-------|---------|
| Crop stage at application: | NA | V6-V7 | V5 | R1-R2 |
| Height Min, Max (inch): | | 17 24 | 12 17 | 110 120 |

Pest Stage At Each Application

| | 6-6-11 | 6-29-11 | 6-24-11 | 8-1-11 |
|--------------------------|--------|---------|---------|--------|
| Application Date: | 6-6-11 | 6-29-11 | 6-24-11 | 8-1-11 |
| Weed Code: | PANDI | PANDI | PANDI | PANDI |
| Stage Majority (leaves): | NA | 4 | NA | NA |
| Stage Min, Max: | | 2 4 | | |
| Height Majority: | | 4 IN | | |
| Height Min, Max: | | 1 6 | | |
| Density, Unit: | | 0.1 FT2 | | |
| Weed Code: | CYPES | CYPES | CYPES | CYPES |
| Stage Majority (leaves): | NA | 6 | NA | NA |
| Stage Min, Max: | | 3 9 | | |
| Height Majority: | | 5 IN | | |
| Height Min, Max: | | 2 9 | | |
| Density, Unit: | | 1 FT2 | | |

Application Equipment

| | CO2 sprayer | CO2 sprayer | CO2 sprayer | CO2 sprayer |
|---------------------|-------------|-------------|-------------|-------------|
| Appl. Equipment: | CO2 sprayer | CO2 sprayer | CO2 sprayer | CO2 sprayer |
| Operating Pressure: | 30 PSI | 30 PSI | 30 PSI | 30 PSI |
| Nozzle Type: | Flat fan | Flat fan | Flat fan | Flat fan |
| Nozzle Size: | XR 8003 | XR 8003 | XR 8003 | XR 8003 |
| Boom Length, Unit: | 10 FT | 10 FT | 10 FT | 10 FT |
| Spray Volume, Unit: | 20 GPA | 20 GPA | 20 GPA | 20 GPA |

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Location: Belleville Res. Center

Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

ZEAMD ZEAMD ZEAMD ZEAMD ZEAMD
10-26-11 10-26-11 10-26-11 8-22-11 9-5-11
Moisture Test wt. Yield Injury Injury
Percent lb/bu bu/A Percent Percent

21 DA-D 35 DA-D

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code | | | | | |
|---------|--|-----------|-----------|------|-----------|------------|-----------------|--------------|-----------|------|------|-----|---|---|
| 1 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 17.1 | 61.0 | 97 | 0 | 0 |
| 1 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 1 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 1 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 1 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 1 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 2 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 16.7 | 60.9 | 99 | 0 | 0 |
| 2 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 2 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 2 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 2 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 2 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 2 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 3 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 16.5 | 61.2 | 76 | 0 | 0 |
| 3 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 3 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 3 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 3 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 3 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 3 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 4 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 16.6 | 61.1 | 100 | 0 | 0 |
| 4 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 4 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 4 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 4 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 4 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 5 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 18.9 | 59.3 | 99 | 0 | 0 |
| 5 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 5 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 5 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 5 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 5 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 5 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 6 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 16.8 | 60.8 | 96 | 0 | 0 |
| 6 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 6 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 6 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 6 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 6 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 6 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 7 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 15.8 | 61.6 | 82 | 0 | 0 |
| 7 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 7 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 7 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 7 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 8 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 15.3 | 62.1 | 79 | 0 | 0 |
| 8 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 8 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 8 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 8 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 8 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 9 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 17.8 | 60.0 | 87 | 0 | 0 |
| 9 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 9 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 9 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 9 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 9 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 10 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 20.7 | 58.3 | 92 | 0 | 0 |
| 10 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 10 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 10 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 10 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |

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Pest Code
 Crop Code
 Rating Date
 Rating Data Type
 Rating Unit
 Rating Timing
 Trt-Eval Interval

ZEAMD ZEAMD ZEAMD ZEAMD ZEAMD
 10-26-11 10-26-11 10-26-11 8-22-11 9-5-11
 Moisture Test wt. Yield Injury Injury
 Percent lb/bu bu/A Percent Percent

21 DA-D 35 DA-D

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code | | | | | |
|---------|--|-----------|-----------|------|-----------|------------|-----------------|--------------|-----------|------|------|-----|---|---|
| 11 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 17.0 | 60.7 | 95 | 0 | 0 |
| 11 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 11 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 11 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 11 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 11 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 12 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 16.5 | 61.2 | 67 | 0 | 0 |
| 12 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 12 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 12 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 12 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 12 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | |
| 13 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 16.9 | 61.1 | 124 | 0 | 0 |
| 13 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 13 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 13 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 14 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 16.0 | 61.8 | 108 | 0 | 0 |
| 14 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 14 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 14 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 14 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 15 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 16.1 | 61.4 | 85 | 0 | 0 |
| 15 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 15 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 15 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 15 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 16 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 17.2 | 60.6 | 88 | 0 | 0 |
| 16 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 16 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 16 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 17 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 18.3 | 59.9 | 99 | 0 | 0 |
| 17 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 17 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 17 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 17 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 18 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 16.7 | 61.0 | 90 | 0 | 0 |
| 18 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 18 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 18 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 18 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 19 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 15.6 | 61.8 | 93 | 0 | 0 |
| 19 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 19 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 19 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 19 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 20 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 15.9 | 61.6 | 102 | 0 | 0 |
| 20 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 20 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 20 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 20 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 20 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 21 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 16.3 | 61.2 | 100 | 0 | 0 |
| 21 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 21 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 21 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 21 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 21 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |

Syngenta ICS Corn Trial.

Trial ID: 11-52-E205

Location: Belleville Res. Center

| | | | | | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|---------|---------|
| Pest Code | | | | | | | | | | | | | | |
| Crop Code | | | | | | | | | | | | | | |
| Rating Date | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | | | | | | |
| Rating Unit | | | | | | | | | | | | | | |
| Rating Timing | | | | | | | | | | | | | | |
| Trt-Eval Interval | | | | | | | | | | | | | 21 DA-D | 35 DA-D |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code | | | | | |
|---------|--|-----------|-----------|------|-----------|------------|-----------------|--------------|-----------|------|------|-----|---|---|
| 22 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 20.0 | 58.6 | 105 | 0 | 0 |
| 22 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 22 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | |
| 22 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 22 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 23 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 18.0 | 60.1 | 107 | 0 | 0 |
| 23 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | |
| 23 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 23 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 23 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 23 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |
| 24 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 16.8 | 60.9 | 81 | 0 | 0 |
| 24 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | |
| 24 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | |
| 24 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | |
| 24 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | |
| 24 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | |

LSD (P=.05)

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

Syngenta ICS Corn Trial.

Trial ID: 11-52-E205

Location: Belleville Res. Center

| Pest Code | | CERCZM | | CERCZM | | CERCZM | | CERCZM | | | | | |
|-------------------|--|-----------|-----------|----------|-----------|------------|-----------------|--------------|-----------|----|-----|----|-----|
| Crop Code | | ZEAMD | | ZEAMD | | ZEAMD | | ZEAMD | | | | | |
| Rating Date | | 8-22-11 | | 8-22-11 | | 9-5-11 | | 9-5-11 | | | | | |
| Rating Data Type | | Incidence | | Severity | | Incidence | | Severity | | | | | |
| Rating Unit | | Percent | | Percent | | Percent | | Percent | | | | | |
| Rating Timing | | 21 DA-D | | 21 DA-D | | 35 DA-D | | 35 DA-D | | | | | |
| Trt-Eval Interval | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code | | | | |
| 1 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 1 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 1 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | |
| 1 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 1 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 1 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 2 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 0 | 0.0 | 2 | 1.0 |
| 2 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 2 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 2 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 2 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 2 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 2 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 3 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 3 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | |
| 3 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 3 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 3 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 3 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 3 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 4 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 4 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 4 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | |
| 4 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 4 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 4 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 5 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 5 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 5 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 5 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 5 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 5 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 5 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 6 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 6 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | |
| 6 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 6 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 6 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 6 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 6 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 7 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 90 | 0.5 | 90 | 0.5 |
| 7 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 7 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | |
| 7 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 7 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 8 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 90 | 0.5 | 90 | 0.5 |
| 8 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 8 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 8 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 8 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 8 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 9 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | 90 | 0.5 | 90 | 0.5 |
| 9 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | |
| 9 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 9 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 9 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 9 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |
| 10 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 90 | 0.5 | 90 | 0.5 |
| 10 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 10 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | |
| 10 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 10 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | |

Syngenta ICS Corn Trial.

Trial ID: 11-52-E205

Location: Belleville Res. Center

| Pest Code | | Crop Code | | Rating Date | | Rating Data Type | | Rating Unit | | Rating Timing | | Tri-Eval Interval | | CERCZM | CERCZM | CERCZM | CERCZM |
|-----------|--|-----------|-----------|-------------|-----------|------------------|-----------------|--------------|-----------|---------------|--|-------------------|--|-----------|----------|-----------|----------|
| | | | | | | | | | | | | | | ZEAMD | ZEAMD | ZEAMD | ZEAMD |
| | | | | | | | | | | | | | | 8-22-11 | 8-22-11 | 9-5-11 | 9-5-11 |
| | | | | | | | | | | | | | | Incidence | Severity | Incidence | Severity |
| | | | | | | | | | | | | | | Percent | Percent | Percent | Percent |
| | | | | | | | | | | | | | | 21 DA-D | 21 DA-D | 35 DA-D | 35 DA-D |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code | | | | | | | | |
| 11 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | | | | | 90 | 0.5 | 90 | 0.5 |
| 11 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 11 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 11 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 11 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 11 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | | | | |
| 12 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | | | | | 90 | 0.5 | 90 | 0.5 |
| 12 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | | | | |
| 12 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 12 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 12 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 12 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | V5 | C | | | | | | | | |
| 13 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | | | | | 90 | 1.0 | 90 | 1.0 |
| 13 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 13 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | | | | |
| 13 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 14 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | | | | | 90 | 1.0 | 90 | 1.0 |
| 14 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 14 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 14 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 14 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 15 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | | | | | 90 | 1.0 | 90 | 1.0 |
| 15 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | | | | |
| 15 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 15 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 15 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 16 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | | | | | 90 | 1.0 | 90 | 1.0 |
| 16 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 16 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | | | | |
| 16 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 17 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | | | | | 90 | 1.0 | 90 | 1.0 |
| 17 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 17 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 17 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 17 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 18 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | | | | | 90 | 1.0 | 90 | 1.0 |
| 18 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | | | | |
| 18 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 18 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 18 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 19 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 19 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 19 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | | | | | |
| 19 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 19 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | | | | |
| 20 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 20 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | | | | | |
| 20 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 20 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 20 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 20 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | | | | |
| 21 | NK 68B Agrisure 3000 GT w/Cruiser | | | | | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 21 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | | | | | |
| 21 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | | | | | |
| 21 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | | | | | |
| 21 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | | | | | |
| 21 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | | | | | |

Syngenta ICS Corn Trial.

Trial ID: 11-52-E205

Location: Belleville Res. Center

| Pest Code | | CERCZM | | CERCZM | | CERCZM | | CERCZM | | | | | |
|-------------------|--|-----------|-----------|----------|-----------|------------|-----------------|--------------|-----------|---|-----|---|-----|
| Crop Code | | ZEAMD | | ZEAMD | | ZEAMD | | ZEAMD | | | | | |
| Rating Date | | 8-22-11 | | 8-22-11 | | 9-5-11 | | 9-5-11 | | | | | |
| Rating Data Type | | Incidence | | Severity | | Incidence | | Severity | | | | | |
| Rating Unit | | Percent | | Percent | | Percent | | Percent | | | | | |
| Rating Timing | | 21 DA-D | | 21 DA-D | | 35 DA-D | | 35 DA-D | | | | | |
| Trt-Eval Interval | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Other Rate | Other Rate Unit | Growth Stage | Appl Code | | | | |
| 22 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 22 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 22 | TOUCHDOWN TOTAL | 4.17 | SL | 0.78 | lb ae/a | 24 | fl oz/a | 4-6"W | B | | | | |
| 22 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 22 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 23 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 23 | AATREX | 4 | SC | 1 | lb ai/a | 1 | qt/a | PRE | A | | | | |
| 23 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 23 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 23 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 23 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |
| 24 | NK 68B Agrisure Viptera 3111 w/Cruiser | | | | | | | | | 0 | 0.0 | 0 | 0.0 |
| 24 | A17622 | 3.7 | ZC | 1.39 | lb ai/a | 1.5 | qt/a | PRE | A | | | | |
| 24 | HALEX GT | 4.38 | CS | 1.97 | lb ai/a | 3.6 | pt/a | 4-6"W | B | | | | |
| 24 | AATREX | 4 | SC | 0.5 | lb ai/a | 1 | pt/a | 4-6"W | B | | | | |
| 24 | N-PAK AMS | 100 | SL | 2.5 | % v/v | 2.5 | % v/v | 4-6"W | B | | | | |
| 24 | QUILT XCEL | 2.2 | SC | 0.18 | lb ai/a | 10.5 | fl oz/a | R1 | D | | | | |

LSD (P=.05)

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

Trial Comments

1. Protocol: Syngenta (ZSC001A4).
2. Ratings: Observe and note any disease or insect pressure from R1 to black layer.
3. Yield and seed moisture; trim front and back 5 ft of center 2 rows in each plot prior to harvest.
4. Use high fertility to maximize yield potential, seeding rate is 32,000 s/A.
5. Photos of significant treatment differences would be appreciated.
6. There was no observable insect feeding and no significant insect population.
Disease pressure was low, all severity ratings were one percent or less.
7. CERCZM = Grey leaf spot of corn.
8. Harvested 10-26-11, (2) 30 inch rows by 80 ft.