# BioEnt Agricultural Consulting

**CORN INSECT AND DISEASE REPORT**

**Grower:** MsY  
**Field(s):** 6R4  
**Date:** 9/11/2014

## ACTION
- [ ] None Required
- [ ] Watch
- [ ] Yes, see below

### Crop Stage
- **Dent:** 45/50% moisture
- **Plant Height:**

### Soil Moisture
- **0-12"**
- **12-24"**
- **24+ years:**

### VT Leaves Silk % Pollination good / fair / poor

### Vigor:
- [ ] Good
- [ ] Ok
- [ ] Poor
- [ ] General
- [ ] Spotty

### Stress:
- [ ] Heat
- [ ] Moisture
- [ ] Nitrogen
- [ ] General
- [ ] Spotty

### Stress-Chlorophyll:
- [ ] None
- [ ] Low
- [ ] High
- [ ] General
- [ ] Spotty

### Weed Control:
- [ ] Good
- [ ] Ok
- [ ] Poor
- [ ] Spotty

### Nitrogen Deficiency on lower leaves
- [ ] Yes
- [ ] No

### INSECT SPECIES | LIFE STAGE | EVALUATION | COMMENTS
---|---|---|---
Corn Borer | instar | % plants affected |  
WBCW |  |  |  
W.C. Rootworm | adults | Beetles/plant |  
C. Ear Worm | larvae | % ears affected |  
Spider Mites |  | % plants affected |  
Japanese Beetle |  |  |  

### DISEASES | PLT/PART Affected (sampled) | AFFECTED (range) | LESIONS square inch ear leaf | EVALUATION % Plts. Aff. | THRESHOLD B/N/A | DIST. G/S/L
---|---|---|---|---|---|---
Anthracnose |  |  |  |  |  |  
NCLS - fungi |  |  |  |  |  |  
Leaf Blight - fungi |  |  |  |  |  |  
Rust |  |  |  |  |  |  

**Comments:**
BioEnt Agricultural Consulting  Gary Manley 269-273-7070 or 269-816-1080
CORN INSECT AND DISEASE REPORT

Grower: MSU  Date: 9/11/2014
Field(s): G2P4

Crop Stage: Mid-Dent 50% moisture  Plant Height: 2 feet
Soil Moisture 0-12" 65%  12-24" 60  24+ dry %AWC

VT  Leaves  Silk  % Pollination  good / fair / poor

Vigor:  □ Good  ■ Ok  □ Poor  □ General  □ Spotty
Stress:  □ Heat  □ Moisture  □ Nitrogen  □ General  □ Spotty
Stress-Chlorophyll:  □ None  □ Low  □ High  □ General  □ Spotty
Weed Control:  □ Good  ■ Ok  □ Poor  □ Spotty
Grasses  Broadleaves  Perennials
Nitrogen Deficiency on lower leaves  □ Yes  □ No

INSECT SPECIES  LIFE STAGE  EVALUATION  COMMENTS

<table>
<thead>
<tr>
<th>INSECT SPECIES</th>
<th>LIFE STAGE</th>
<th>EVALUATION</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Borer</td>
<td>instar</td>
<td>% plants affected</td>
<td></td>
</tr>
<tr>
<td>WBCW</td>
<td></td>
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<tr>
<td>W.C. Rootworm</td>
<td>adults</td>
<td>Beetles/plant</td>
<td></td>
</tr>
<tr>
<td>C. Ear Worm</td>
<td>larvae</td>
<td>% ears affected</td>
<td></td>
</tr>
<tr>
<td>Spider Mites</td>
<td></td>
<td></td>
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<tr>
<td>Japanese Beetle</td>
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</tbody>
</table>

DISEASES  PLT/PART Affected (sampled)  AFFECTED (range)  LESIONS square inch ear leaf  EVALUATION % Plts. Aff.  THRESHOLD B/N/A  DIST. G/S/L

<table>
<thead>
<tr>
<th>DISEASES</th>
<th>PLT/PART Affected (sampled)</th>
<th>AFFECTED (range)</th>
<th>LESIONS square inch ear leaf</th>
<th>EVALUATION % Plts. Aff.</th>
<th>THRESHOLD B/N/A</th>
<th>DIST. G/S/L</th>
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<tbody>
<tr>
<td>Anthracnose</td>
<td></td>
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<tr>
<td>NCLS - fungi</td>
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<tr>
<td>Leaf Blight - fungi</td>
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<tr>
<td>Rust</td>
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</tbody>
</table>

Comments:

Rev. 02-01-12
# Corn Insect and Disease Report

**Grower:** C324 MSCY  
**Date:** 9/11/2014

**Field(s):** C324

**Crop Stage:** Early Dent  
**Plant Height:**

**Soil Moisture:**
- 0-12" 105/70  
- 12-24" 60  
- 24+ dry  
**%AWC:**

**VT Leaves:**  
**Silk:**  
**% Pollination:**

**Vigor:** 
- Good
- Ok
- Poor
- General
- Spotty

**Stress:**
- Heat
- Moisture
- Nitrogen
- General
- Spotty

**Stress-Chlorophyll:**
- None
- Low
- High
- General
- Spotty

**Weed Control:**
- Good
- Ok
- Poor
- Spotty
- Grasses
- Broadleaves
- Perennials

**Nitrogen Deficiency on lower leaves:**
- Yes
- No

**Uniformity:** OK  
**General Appearance:**

**Leaf Color:**

**Nitrogen Deficiency:**

**Air Temperature:**
- Cold
- Normal
- Hot

## Insect Species Table

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Life Stage</th>
<th>Evaluation</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Borer</td>
<td>instar</td>
<td>% plants affected</td>
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<td>WBCW</td>
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<tr>
<td>W.C. Rootworm</td>
<td>adults</td>
<td>Beetles/plant</td>
<td>OK</td>
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<tr>
<td>C. Ear Worm</td>
<td>larvae</td>
<td>% ears affected</td>
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</tr>
<tr>
<td>Spider Mites</td>
<td></td>
<td>% plants affected</td>
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<tr>
<td>Japanese Beetle</td>
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</tbody>
</table>

## Disease Table

<table>
<thead>
<tr>
<th>Disease</th>
<th>PLT/PART Affected (sampled)</th>
<th>Affected (range)</th>
<th>Lesions square inch ear leaf</th>
<th>Evaluation % Plants Aff.</th>
<th>Threshold B/N/A</th>
<th>DIST. G/S/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>NCLS - fungi</td>
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<td>Leaf Blight - fungi</td>
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</tbody>
</table>

**Comments:**
### Insect Species Evaluation

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Life Stage (ELPA)</th>
<th>Evaluation</th>
<th>Dist. (S-G)</th>
<th>Threshold Actual B/N/A</th>
<th>Threshold Proj. B/N/A</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Worms</td>
<td>larvae</td>
<td>% plt. affected</td>
<td></td>
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<tr>
<td>Japanese Beetle</td>
<td></td>
<td>% leaf damage</td>
<td></td>
<td></td>
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<tr>
<td>Potato Leafhopper</td>
<td>nymphs</td>
<td># per leaf</td>
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<tr>
<td>Spider Mites</td>
<td>nymphs</td>
<td>% plants affected</td>
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<tr>
<td>Aphids</td>
<td>adults</td>
<td># per plant</td>
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<tr>
<td>Aphids</td>
<td>Alatoid Nymphs</td>
<td>% population</td>
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<tr>
<td>Aphids</td>
<td>Winged Adults</td>
<td>% population</td>
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<tr>
<td>Other</td>
<td>larvae adult</td>
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<tr>
<td>Other</td>
<td>larvae adult</td>
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<tr>
<td>Natural Enemies</td>
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<td>L M H</td>
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### Disease Evaluation

<table>
<thead>
<tr>
<th>Diseases</th>
<th>PLT/PART Affected (sampled)</th>
<th>Region Affected (range)</th>
<th>Evaluation % Plt. Aff.</th>
<th>Threshold B/N/A</th>
<th>Dist. G/S/L</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Common Blight</td>
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<td>Downy Mildew</td>
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<td>White Mold</td>
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<td>Other</td>
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</table>

Comments:
- Finishing
- Pod starting to yellow

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Uniformity:
- General Appearance: yellowing
- Nitrogen Deficiency: finishing off
- Total Leaf Damage: %
- Round-up Seed: Yes

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Growth Stage: Pod Fill
Plant Height: Yet
Ave. (n=5) Stand Count: 25%
Soil Moisture: 65-70%AWC
Sun: PC
Temp: Time: Wind Speed: H M L N