**BioEnt Agricultural Consulting**

**Corn Insect and Disease Report**

**Grower:** B...MSU

**Field Name:** GIRS (corn)

**Date:** 9/15/2016

**Crop Stage:** VT

**Plant Height:** (VT)

**Ave. (n=5) Stand Count:** 

**Soil Moisture:** Good 65%

**Percent 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

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### Insect Species

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Life Stage (ELPA)</th>
<th>Evaluation</th>
<th>DIST. (SLG)</th>
<th>Threshold</th>
<th>Actual</th>
<th>Proj.</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutworm</td>
<td>larvae</td>
<td>% plts affected</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm</td>
<td>larvae</td>
<td>% plts affected</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stalkborer</td>
<td>larvae</td>
<td>% plts affected</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.C. Rootworm</td>
<td>adults</td>
<td>Beetles/plant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Ear Worm</td>
<td>larvae</td>
<td>% ears affected</td>
<td></td>
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</tr>
</tbody>
</table>

**Corn Borer**
- G1-larvae
- G2-eggs

**Most common instar:**

- [ ] Threshold
- [ ] % plts affected
- [ ] Proj. Max. Pop.
- [ ] Proj. Date
- [ ] Masses/plt

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### Diseases

<table>
<thead>
<tr>
<th>Diseases</th>
<th>PLT/PART Affected</th>
<th>AFFECTED (range)</th>
<th>LESIONS CM2X5X5 (x/range)</th>
<th>EVALUATION % Plts. Aff.</th>
<th>THRESHOLD B/N/A</th>
<th>DIST. G/S/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td>(sampled)</td>
<td>(range)</td>
<td>(x/range)</td>
<td>% Plts. Aff.</td>
<td>B/N/A</td>
<td>G/S/L</td>
</tr>
<tr>
<td>NCLS</td>
<td></td>
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<tr>
<td>LB Leaf Blight</td>
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<tr>
<td>Rust</td>
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<td>Smut</td>
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<tr>
<td>Eyespot</td>
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<tr>
<td>Grayleaf Spot</td>
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</tbody>
</table>

**Comments:**
- Grain at 30-33% moisture - Pre-block layered
- Black day 7-10 dryout
- Gray leaf spot depends on variety & protection
- Not changing yield at this time of year
**BioEnt Agricultural Consulting**

**CORN INSECT AND DISEASE REPORT**

**Grower**: MSY

**Field(s)**: G2B5 (corn)

**Date**: 09/15/20

**Crop Stage**: Drydown

**Plant Height**: 24+24

**Soil Moisture 0-12"**: Good

**VT Leaves**: % 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

**Uniformity**:

- General Appearance
- Leaf Color
- Nitrogen
- Deficiency

**Air Temperature**: Normal

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### INSECT SPECIES

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Life Stage (ELPA)</th>
<th>Evaluation</th>
<th>Dist.</th>
<th>Threshold</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Borer</td>
<td>instar</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.C. Rootworm</td>
<td>adults</td>
<td>Beetles/plant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Ear Worm</td>
<td>larvae</td>
<td>% ears affected</td>
<td></td>
<td></td>
<td></td>
</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>

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### DISEASES

<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 % Pits. 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>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>NCLS</td>
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<tr>
<td>LB Leaf Blight</td>
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</tr>
<tr>
<td>Rust</td>
<td>Gray leaf spot</td>
<td>General</td>
<td>But not burning back leaves</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Comments:**

- Black Layer Complete
- 9/23/34% grain moisture
- Gray leaf spot depends on variety & rotations
  - Not changing yield at this point in growing season
## Corn Insect and Disease Report

### Grower: JMSU  
Field Name: G3R5 (corn)

### Date: 9/15/16  
Crop Stage: VT

### Plant Height

### Ave. (n=5) Stand Count

### Soil Moisture: Good/65%

### VT 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

### Uniformity:
- General Appearance
- Leaf Color
- Nitrogen
- Deficiency

### Action:
- None Required
- Watch
- Yes, see below

<table>
<thead>
<tr>
<th>INSECT SPECIES</th>
<th>LIFE STAGE (ELPA)</th>
<th>EVALUATION</th>
<th>DIST. (SLG)</th>
<th>THRESHOLD actual proj. B/N/A</th>
<th>COMMENTS</th>
</tr>
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<tbody>
<tr>
<td>Cutworm</td>
<td>larvae</td>
<td>% pits affected</td>
<td></td>
<td></td>
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<td>larvae</td>
<td>% pits affected</td>
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</table>

| Corn Borer     | G1-larvae         |  
| G2-eggs        |                   |  

<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>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
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<tr>
<td>Eyespot</td>
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</tbody>
</table>

### Comments:

- Black layer Complete.
- Gray leaf spot depends on variety & protection.

- Not changing yield at this point in the growing season.
**BioEnt Agricultural Consulting**
Gary Manley 269-273-7070 or 269-816-1080

**BEAN INSECT AND DISEASE REPORT**

**Date:** 9/15/2016  
**Grower:** MGU  
**Field(s):** G4R5 (soybeans)  
**Crop Stage:** R7  
**Plant Height:**

**Soil Moisture:** 0-6”

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

**Stress:**
- [ ] Heat
- [ ] Moisture
- [ ] General
- [ ] Spotty

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

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

**Uniformity:** OK
**General Appearance:** Normal
**Deficiency:**

**Total Leaf Damage:** %
**Round-up Seed:** [ ] Yes [ ] No

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### INSECT SPECIES

<table>
<thead>
<tr>
<th>LIFE STAGE (ELPA)</th>
<th>EVALUATION</th>
<th>DIST. (S-G)</th>
<th>THRESHOLD</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worms - misc larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Japanese Beetle adults</td>
<td>% leaf damage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potato Leafhopper nymphs</td>
<td># per leaf</td>
<td></td>
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<tr>
<td>Spider Mites nymphs</td>
<td>% plants affected</td>
<td></td>
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<tr>
<td>Aphids adults/nymphs</td>
<td># per plant</td>
<td></td>
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<tr>
<td>Aphids Alatoid nymphs</td>
<td>% population</td>
<td></td>
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<tr>
<td>Aphids Winged adults</td>
<td>% population</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Other larvae</td>
<td></td>
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<tr>
<td>Other Adult</td>
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<td></td>
</tr>
<tr>
<td>Natural Enemies</td>
<td>L M H</td>
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</tbody>
</table>

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### DISEASES

<table>
<thead>
<tr>
<th>PLT/PART Affected (sampled)</th>
<th>Region AFFECTED (range)</th>
<th>EVALUATION % Plts. Aff.</th>
<th>THRESHOLD</th>
<th>DIST. G/S</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downy Mildew</td>
<td></td>
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<td></td>
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<tr>
<td>White Mold</td>
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<tr>
<td>Common Blight</td>
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<tr>
<td>SDS</td>
<td></td>
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<tr>
<td>Charcoal Rot</td>
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<tr>
<td>Other</td>
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<tr>
<td>Other</td>
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</tbody>
</table>

**Comments:**

*Leaf yellowing, early leaf drop, Pod turning yellowish.*

+1-40 %