**CORN INSECT AND DISEASE REPORT**

**Grower**

**Field(s)**

**Date** 7/2/2023  **Crop Stage** 09/16  **Plant Height** 2-3'  

**Soil Moisture** 60-65  **0-12''** 65+  **12+''** 70% 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

**INSECT SPECIES** | **LIFE STAGE (ELPA)** | **EVALUATION** | **DIST.** | **THRESHOLD** | **COMMENTS**
---|---|---|---|---|---
Corn Borer | larvae | % plants affected |  |  |  
Armyworm | larvae | % plants affected |  |  |  
W.C. Rootworm | adults | Beetles/plant |  |  |  
C. Ear Worm | larvae | % ears affected |  |  |  
Spider Mites |  | % plants affected |  |  |  
Mind Bugs |  |  |  |  | Minor feeding on leaves.

**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 |  |  |  |  |  |  
LB Leaf Blight |  |  |  |  |  |  
Rust |  |  |  |  |  |  

**Uniformity** ☒ good  **Leaf Color** ☒ good  **Nitrogen** ☒ 0%  **Deficiency** ☒ none  **Air Temperature** Normal  **Plant Temperature**

**ACTION**

- ☐ None Required  
- ☐ Watch  
- ☒ Yes, see below

**Comments:**

Color/growth good.
### Insect Report

**Grower:** M54  
**Field:** T283  

**Date:** 7/2/20  
**Crop Stage:** 60%  
**Plant Height:** 2'-3'  
**Soil Moisture:** 0-12"  
**%AWC:** 65%  

**VT Leaves:**  
**Silk:**  
**% Pollination:**  
**Vigor:** Good  
**Stress:** General  
**Stress-Chlorophyll:** None  
**Weed Control:** Good  

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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>larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm</td>
<td>larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.C. Roofworm</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>
</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 % Plts. Aff.</th>
<th>Threshold B/N/A</th>
<th>Dist. G/S/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td></td>
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<td>NCLS</td>
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<td>LB Leaf Blight</td>
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<td>Rust</td>
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</tbody>
</table>

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**Comments:**

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**BioEnt Agricultural Consulting**   Gary Manley 269-273-7070

**CORN INSECT AND DISEASE REPORT**

Grower: M SY  
Field(s): T 3 R 3

<table>
<thead>
<tr>
<th>Date</th>
<th>Crop Stage</th>
<th>Plant Height</th>
<th>Soil Moisture</th>
<th>%AWC</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/2 2020</td>
<td>V</td>
<td>8-3</td>
<td>60-65</td>
<td>0-12</td>
</tr>
</tbody>
</table>

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

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

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

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

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

**Uniformity:**
- good

**General Appearance:**
- good

**Leaf Color:**
- good

**Nitrogen Deficiency:**
- None

**Air Temperature:** Normal

**Plant Temperature**

<table>
<thead>
<tr>
<th>INSECT SPECIES</th>
<th>LIFE STAGE (ELPA)</th>
<th>EVALUATION</th>
<th>DIST.</th>
<th>THRESHOLD</th>
<th>COMMENTS</th>
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<tr>
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<td>larvae</td>
<td>% plants affected</td>
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<td></td>
<td></td>
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<td>larvae</td>
<td>% plants affected</td>
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<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>
</tbody>
</table>

- **MINDE:*** Minier Bug feeding & Min ear grass hopper feeding

<table>
<thead>
<tr>
<th>DISEASES</th>
<th>PLT/PART Affected (sampled)</th>
<th>AFFECTED (range)</th>
<th>LÉSIONS 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>
<td></td>
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<tr>
<td>NCLS</td>
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<td>Rust</td>
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</tbody>
</table>

**Comments:**

- Ok
BioEnt Agricultural Consulting  Gary Manley 269-273-7070
CORN INSECT AND DISEASE REPORT

Grower: MSU  Field(s): J-4K3

Date: 7/12/2020  Crop Stage: 15/6  Plant Height: 15-6"+ Range
Soil Moisture: 60/60+  0-12"  60/65+  12"+  65+ %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

INSECT SPECIES   LIFE STAGE (ELPA)   EVALUATION   DIST.   THRESHOLD   COMMENTS
Corn Borer      larvae           % plants affected  
Armyworm        larvae           % plants affected  
W.C.Rootworm    adults           Beetles/plant     
C. Ear Worm     larvae           % ears affected   
Spider Mites    larvae           % plants affected  

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            
LB Leaf Blight  
Rust

Comments:
Annual grasses
Ragweed
Velvetleaf
Pagweed
Nodgedge spots
Scattered Dogbane
Mixture of plant size & stage due to emergence range from 5/3/4 to 6/18.
BioEnt – Early Season Survey

- Field Name/Number: GR3
- Grower: 
- General Appearance: 2-3
- Variance: OK
- Leaf Color: 90%
- Variance: 90%

<table>
<thead>
<tr>
<th>Vigor:</th>
<th>Good</th>
<th>OK</th>
<th>Poor</th>
<th>General</th>
<th>Spotty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stress:</td>
<td>Heat</td>
<td>Moisture</td>
<td>Nitrogen</td>
<td>General</td>
<td>Spotty</td>
</tr>
<tr>
<td>Stress-Chlorophyll:</td>
<td>None</td>
<td>Low</td>
<td>High</td>
<td>General</td>
<td>Spotty</td>
</tr>
<tr>
<td>Weed Control:</td>
<td>Good</td>
<td>OK</td>
<td>Poor</td>
<td>Spotty</td>
<td>Dense Spots</td>
</tr>
<tr>
<td></td>
<td>Grasses</td>
<td>Broadleaves</td>
<td>Perennials</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**

No small grasshoppers feeding - feeding on old leaves only.
No insect damage noted.

### ACTION:
- None Required
- Watch
- Yes, see comments

### Comments:

No small grasshoppers feeding - feeding on old leaves only.
No insect damage noted.

---

<table>
<thead>
<tr>
<th>Plant Population</th>
<th>Soil Moisture</th>
<th>ACTION</th>
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</thead>
<tbody>
<tr>
<td>24+ %AWC</td>
<td>12-24</td>
<td>0-12</td>
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<table>
<thead>
<tr>
<th>Vigor:</th>
<th>Good</th>
<th>OK</th>
<th>Poor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stress:</td>
<td>Heat</td>
<td>Moisture</td>
<td>Nitrogen</td>
</tr>
<tr>
<td>Stress-Chlorophyll:</td>
<td>None</td>
<td>Low</td>
<td>High</td>
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<td>Weed Control:</td>
<td>Good</td>
<td>OK</td>
<td>Poor</td>
</tr>
<tr>
<td></td>
<td>Dense Spots</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Grasses</td>
<td>Broadleaves</td>
<td>Perennials</td>
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</table>

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<table>
<thead>
<tr>
<th>Action</th>
<th>No</th>
<th>1/4&quot; Root</th>
<th>Spike PE</th>
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</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>No</td>
<td>Breaking</td>
<td>VC / V1</td>
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<tr>
<td>Nutrient Deficiency</td>
<td>No</td>
<td>Spots</td>
<td>General</td>
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<tr>
<td>Soil Compaction:</td>
<td>No</td>
<td>Spots</td>
<td>General</td>
</tr>
<tr>
<td></td>
<td>Hard</td>
<td>Crusted</td>
<td></td>
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<tr>
<td>Standing Water</td>
<td>No</td>
<td>Small Spots</td>
<td>Large Spots</td>
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<tr>
<td>Herbicide damage</td>
<td>No</td>
<td>Emergence stress</td>
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<tr>
<td>Physiological Disorder in Corn</td>
<td>No</td>
<td>Yellowish whorl</td>
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<tr>
<td>Buggywip</td>
<td>No</td>
<td>Stalk bending</td>
<td>Twisted whorl</td>
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<tr>
<td>Doubles</td>
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<tr>
<td>Density</td>
<td>No</td>
<td>Variance</td>
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<tr>
<td>Growth</td>
<td>No</td>
<td>Variance</td>
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<td>Plant spacing</td>
<td>No</td>
<td>Variance</td>
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</tr>
<tr>
<td>Emergence</td>
<td>No</td>
<td>Variance</td>
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</tr>
<tr>
<td>Soil Temperature</td>
<td>No</td>
<td>2&quot;</td>
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</tbody>
</table>

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| Root Damage | No | Plants |
| Insects | No | Purplish |
| Diseases | No | Yellowish |
| Nematodes | No | Stunting |
**Corn Insect and Disease Report**

**Grower**: MSU

**Field(s)**: Irrigation Study - Irrigated

**Date**: 7/2/2021

**Crop Stage**: 1/12

**Plant Height**: 3-4"%

**Soil Moisture**: 70%

**VT Leaves**: Silk

**% Pollination**: Good / Fair / Poor

**Vigor**: Good

**Stress**: Heat

**Stress-Chlorophyll**: None

**Weed Control**: Good

**Uniformity**: Good

**General Appearance**: Good

**Leaf Color**: Normal

**Nitrogen**: Ok

**Deficiency**: Normal

**Air Temperature**: Normal

**Plant Temperature**: Normal

### Insect Species

<table>
<thead>
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<th>Life Stage (ELPA)</th>
<th>Evaluation</th>
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<td>W.C. Rootworm</td>
<td>adults</td>
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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 % Plts. Aff.</th>
<th>Threshold B/N/A</th>
<th>Dist. G/S/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td></td>
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</tbody>
</table>

**Comments**: Soil has good AWC for crop development. Near perfect moisture profile in top 3'.
**CORN INSECT AND DISEASE REPORT**

**Grower:** MSY  
**Field(s):** Irrigation study - Non-Irrigated

**Date:** 7/22 200_  
**Crop Stage:** V8  
**Plant Height:** 2.3

**Soil Moisture:** 60 0-12"  60/65 12+"  65% 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

**INSECT SPECIES** | **LIFE STAGE (ELPA)** | **EVALUATION** | **DIST.** | **THRESHOLD** | **COMMENTS**
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**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 |  |  |  |  |  |  
LB Leaf Blight |  |  |  |  |  |  
Rust |  |  |  |  |  |  

**Comments:**