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

**CORN INSECT AND DISEASE REPORT**

**Grower:** MSU  
**Field(s):** 7123

**Date:** 9/17/2007  
**Crop Stage:** Dent  
**Plant Height:** __________

**Soil Moisture:** L50  
0-12" L50 12+" __________ %AWC

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

**ACTION**
- None Required
- Watch
- Yes, see below

**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

<table>
<thead>
<tr>
<th><strong>LIFE STAGE (ELPA)</strong></th>
<th><strong>EVALUATION</strong></th>
<th><strong>DIST.</strong></th>
<th><strong>THRESHOLD</strong></th>
<th><strong>COMMENTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Borer larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.C. Rootworm adults</td>
<td>Beetles/plant</td>
<td></td>
<td></td>
<td>qed</td>
</tr>
<tr>
<td>C. Ear Worm larvae</td>
<td>% ears affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spider Mites larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### DISEASES

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

---

**Comments:**
- Plants finishing due to dryness  
  ears starting tipover.
**BioEnt Agricultural Consulting**  
Gary Manley 269-273-7070  
**CORN INSECT AND DISEASE REPORT**

**Grower:** M.S.  
**Field(s):** T2R3

**Date:** 9-17-2004  
**Crop Stage:** Dent  
**Plant Height:** ________

**Soil Moisture:** <50%  
**0-12":** 25%  
**12+":** ________  
**%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

<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.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>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<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 % 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>
</tr>
<tr>
<td>NCLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LB Leaf Blight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rust</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**  
Plants are finishing due to dryness.  
Ears are tipping over due to dryness.  
Spot leaves dead above ear level.
**CORN INSECT AND DISEASE REPORT**

**Grower:** Mr. Smith

**Field(s):** 1323

**Date:** 9/20/2007  **Crop Stage:** Dent  **Plant Height:**

**Soil Moisture:** 25%  **0-12"**  25%  **12+"**  **%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**

<table>
<thead>
<tr>
<th>LIFE STAGE (ELPA)</th>
<th>EVALUATION</th>
<th>DIST.</th>
<th>THRESHOLD</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Borer larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm larvae</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.C.Rootworm adults</td>
<td>Beetles/plant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Ear Worm larvae</td>
<td>% ears affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spider Mites</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**DISEASES**

<table>
<thead>
<tr>
<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>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LB Leaf Blight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rust</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**

Plants finishing due to disease.

Some ears starting to tip over.

Leaves brown to ear leaf lip.
**BioEnt Agricultural Consulting**  
**Gary Manley 269-273-7070**  
**CORN INSECT AND DISEASE REPORT**

**Grower:** MSU  
**Field(s):** 74R3

**Date:** 9/17/2020  
**Crop Stage:** Milk/dough  
**Plant Height:** Mixed

**Soil Moisture:** <50%  
0-12"  
6-12"  
%AWC

**VT 0**  
Leaves  
Silk  
100% Pollination  
100% good/tall/poor

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

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

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

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

**Uniformity:** Mixed  
**General Appearance:** Mixed  
**Leaf Color:** Ok  
**Nitrogen:** Ok  
**Deficiency:** Ok  
**Air Temperature:** 70°F (Normal)  
**Plant Temperature**

---

### 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 larva</td>
<td>% plants affected</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm larva</td>
<td>% plants affected</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.C. Rootworm adults</td>
<td>Beetrots/plant</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Ear Worm larvae</td>
<td>% plants affected</td>
<td>% plants affected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spider Mites</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### DISEASES

<table>
<thead>
<tr>
<th>Diseases</th>
<th>PLT/Part Affected (sampled)</th>
<th>Affected (range)</th>
<th>Lesions square inch</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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LB Leaf Blight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rust</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Threshold:** Ok

---

**Comments:**  
Fox tail dense in row - up to 4' 4" Range/Seeding.  
Corn is starting to dry down due to dry conditions.  
Growth/development mixed/ear size mixed.
BioEnt – Early Season Survey
Gary Manley 269-273-7070 or 269-816-1080

Seed Corn □ Corn □ Soybeans □ Wheat □ Green Beans

Field Name/Number: TUR3
Grower: jmm
Growth Stage: R3

General Appearance: Yellow
Size: 12"
Variance: Medium
Leaf Color: OK
Variance: Mixed

Plant Population: Spots
Soil Moisture: 0-12
L5
12-24
L5
24+
%AWC

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 □ Dense Spots
□ Grasses □ Broadleaves □ Perennials

Comments: Alfalfa
10-12
Flowering -
dry/poor growth
leaves yellowing/dieback.

N
Plan to harvest in next 1-2 days.

W

E

S

Germination □ No □ 1/4" Root □ Spike PE
Emergence □ Breaking □ VC / V1
Nutrient Deficiency □ Spots □ General
Soil Compaction: □ Soil Surface:
□ Spots □ General □ Hard □ Crusted
Standing Water □ Small Spots □ Large Spots
Herbicide damage □ Emergence stress
Physiological Disorder in Corn □ Yellowish whorl
□ Buggywip □ Stalk bending □ Twisted whorl
Doubles ________ %
Density _________ Variance ________
Growth _________ Variance ________
Plant spacing ________ Variance ________
Emergence _________ Variance ________
Soil Temperature 2"

Root Damage □ Insects □ Plants
□ Purplish □ Diseases □ Yellowish
□ Nematodes □ Stunting

□ Cutworms CW □ White Grubs WG
□ Armyworms AW □ Flea Beetles FB
□ Stalkborers SB □ Aphids A
□ Wireworms WW □ Slugs S
□ Spider Mites SM □ Leafhoppers LH
□ Seed Corn Maggots □ Foliar Disease-Rust
□ Foliar Disease-Fungi □ Corn Borer-%
□ Stunted plants

□ Pigweed RRP
□ Horsenettle HN
□ Bindweed -Field FBW
□ Bindweed -Hedge HBW
□ Smartweed -Penn. PSM
□ Smart -Swamp SSM
□ Dogbane -Hemp HDB
□ Lambquarters LQU
□ Ragweed CRAG
□ Ragweed -Giant GRAG
□ Dock -Curly CD
□ Nightshade -Black BNS
□ Jimsonweed JW
□ Canada Thistle CTH
□ Yellow Rocket YR
□ Perennials P
□ Pokeweed PW
### CORN INSECT AND DISEASE REPORT

**Grower:** MSU  
**Field(s):** N2 Study - Irrigated

**Date:** 9/17/2017  
**Crop Stage:** Full dent  
**Plant Height:** 70-75  
**Soil Moisture:** 70%  
**VT:** 0 leaves  
**Silk:** 100% pollination

<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></td>
</tr>
<tr>
<td>Grasses</td>
<td>Broadleaves</td>
<td>Perennials</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Uniformity:** Good  
**General Appearance:** Good  
**Leaf Color:** Good  
**Nitrogen:** OK  
**Deficiency:** None  
**Air Temperature:** 78°F Normal  
**Plant Temperature:** Normal

### 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. 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>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DISEASES

<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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LB Leaf Blight</td>
<td>low level - low % plant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rust</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**

Plants remain fully green throughout much greener than non-Irrigated.
**BioEnt Agricultural Consulting**  Gary Manley 269-273-7070  
**CORN INSECT AND DISEASE REPORT**

Grower:  
Field(s):  

<table>
<thead>
<tr>
<th>Date</th>
<th>Crop Stage</th>
<th>Plant Height</th>
<th>Soil Moisture</th>
<th>0-12”</th>
<th>12”+</th>
<th>%AWC</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/7</td>
<td>Dust</td>
<td></td>
<td></td>
<td>50%</td>
<td>50%</td>
<td></td>
</tr>
</tbody>
</table>

**Vigor:**  
- Good  
- Ok  
- Poor  

**Stress:**  
- Heat  
- Moisture  
- Nitrogen  

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

**Weed Control:**  
- Good  
- Ok  
- Poor  

**General**  
- Leaves  
- Silk  
- % Pollination  
- good / fair / poor  

**Insect Species**  
- 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  

**Diseases**  
- Anthracose  
- NCLS  
- LB Leaf Blight  
- Rust  

**Comments:**  
- Plants starting finish due to dryness  
- Leaves brown (dead) to ear leaf & above  
- Ears starting to tip