**BioEnt Agricultural Consulting**

**CORN INSECT AND DISEASE REPORT**

Grower: MSA  
Date: 8/28/2014

Field(s): TIR2 - Corn

Crop Stage: Full Dent  
Plant Height:  
Soil Moisture 0-12": 40  
12-24": 60  
24+ Soil %AWC:  
VT Leaves: 0  
Silk: 100  
% Pollination: 100  
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

**Uniformity:**

General Appearance

Leaf Color

Nitrogen Deficiency

Deficiency

Air Temperature: °F
Cold
Normal
Hot

**INSECT SPECIES**

<table>
<thead>
<tr>
<th>Insect</th>
<th>Life Stage</th>
<th>Evaluation</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Corn Borer</td>
<td>instar</td>
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**DISEASES**

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<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>
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<td>Rust</td>
<td>Gray</td>
<td>Common on lowerleaves - most leaves affected - bad moderate.</td>
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**Comments:**

Bottom leaf burn due to dryness same as last week.

Recent rain has removed moisture stress.

**ACTION**

- None Required
- Watch
- Yes, see below
BioEnt Agricultural Consulting  Gary Manley 269-273-7070 or 269-816-1080
CORN INSECT AND DISEASE REPORT

Grower: MCL  Date: 8/28/2014
Field(s): T2R2 - Corn

Crop Stage: Full Dent  Plant Height: 24" above soil
Soil Moisture 0-12": 70  12-24": 65  24+: 20  %AWC
VT: 0  Leaves: 100%  Silk: 100%  % Pollination: 100  Condition: 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

Uniformity:  □  General Appearance:  □
Leaf Color:  □  Nitrogen:  □
Deficiency:  □  Air Temperature:  °F

Cold  Normal  Hot

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
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  Gray leaf spot  generally low to moderate level
Rust  low level

Comments:
Recent rains have removed stresses currently.
**BioEnt Agricultural Consulting**  
**CORN INSECT AND DISEASE REPORT**  
Grower: T M S  
Date: 8/28/2014  
Field(s): TBR2 - corn

**Crop Stage:** Early Dent  
**Plant Height:**  
**Soil Moisture 0-12":** 60  
**12-24":** 60  
**24+ soil to hard:** %AWC  
**VT:** 0 Leaves  
**Silk:** 100%  
**% Pollination:** 100%  
**Vigor:**  
- [ ] Good  
- [ ] Ok  
- [x] Poor  
- [ ] General  
- [ ] Spotty  

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

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

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

Nitrogen Deficiency on lower leaves:  
- [ ] Yes  
- [x] No  

**Uniformity:**  
**General Appearance:**  
**Leaf Color:**  
**Nitrogen Deficiency:**  
**Deficiency:**  
**Air Temperature:** Cold  
**% Change:**  

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### Insect Species

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### Diseases

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<td>low level - most lower leaves brown</td>
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**Comments:**  
Recent rain has removed moisture stress.
BioEnt Agricultural Consulting  Gary Manley  269-273-7070 or 269-816-1080
CORN INSECT AND DISEASE REPORT
Grower: 7MSY  Date: 5/28/2014
Field(s): 74 RD - corn

Crop Stage: Dough Stage  Plant Height
Soil Moisture 0-12" 65  12-24" 60  24+ soil to hard %AWC
VT 0 Leaves  Silk 100 % Pollination 100 good/fair/poor

Vigor: [X] Good  [ ] Ok  [ ] Poor  [ ] General  [ ] Spotty
Stress: [ ] Heat  [ ] Moisture  [ ] Nitrogen  [ ] General  [ ] Spotty
Stress-Chlorophyll: [ ] None  [ ] Low  [X] High  [ ] General  [ ] Spotty
Weed Control: [ ] Good  [ ] Ok  [ ] Poor  [ ] Spotty
Grasses  Broadleaves  Perennials
Nitrogen Deficiency on lower leaves  [ ] Yes  [ ] No
Uniformity
General Appearance
Leaf Color
Nitrogen Deficiency
Deficiency
Air Temperature  °F
Cold  Normal  Hot

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
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  General  Low level  Low level

Comments:

Recent rain has removed moisture stresses.
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Field Name/Number: T 6 R 2 Alfalfa
Grower: 7/15/14  Date: 8/28/2014

General Appearance: OK  Size: OK  Variance: OK  Leaf Color: OK  Variance: OK
Plant Population: OK  Soil Moisture: 0-12 %  12+ %

Vigor: [X] Good  [ ] OK  [ ] Poor  [ ] General  [ ] Spotty
Stress: [ ] Heat  [ ] Moisture  [ ] Nitrogen  [ ] General  [ ] Spotty
Stress-Chlorophyll: [X] None  [ ] Low  [ ] High  [ ] General  [ ] Spotty
Weed Control: [X] Good  [ ] OK  [ ] Poor  [ ] Spotty  [ ] Dense Spots
[ ] Grasses  [ ] Broadleaves  [ ] Perennials

ACTION:
[ ] None Required
[ ] Watch
[ ] Yes, see comments

Comments:
No leafhoppers
Aphids: general common
14-16" Range
Mixed perennials Scattered

Germination: [ ] No  [ ] 1/4" Root  [ ] Spike PE
Emergence: [ ] Breaking  [ ] VC / V1
Nutrient Deficiency: [ ] Spots  [ ] General
Soil Compaction: [ ] Spots  [ ] General  [ ] Hard  [ ] Crusted
Standing Water: [ ] Small Spots  [ ] Large Spots
Herbicide damage: [ ] Emergence stress
Physiological Disorder in Corn: [ ] Yellowish whorl
Doubles: [ ] %
Density: [ ] Growth: OK  Variance: 0.6
Plant spacing: [ ] Variance
Emergence: [ ] Variance
Soil Temperature: 2°

Root Damage: [ ] Plants
[ ] Insects  [ ] Purplish
[ ] Diseases  [ ] Yellowish
[ ] Nematodes  [ ] Stunting
# BioEnt Agricultural Consulting

**CORN INSECT AND DISEASE REPORT**

**Grower:** M 54  
**Date:** 8/12/2014

**Field(s):** Irrigated N2 Study - Corn

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

**Soil Moisture 0-12\"**  
- 0-12\" 70  
- 12-24\" 80  
- 24+ 80

**%AWC:**

**VT Leaves Silk % Pollination**  
- Leaves 100  
- Silk 100  
- % Pollination 100

**Vigor:** Good  
**General Stress:** None

**Stress-Chlorophyll:** None

**Weed Control:** Good

**Nitrogen Deficiency on lower leaves:** Yes

**Uniformity:** OK

**General Appearance:** Good

**Leaf Color:**

**Nitrogen Deficiency:** Low

**Deficiency:**

**Air Temperature:** 80 °F

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**Comments:**
**BioEnt Agricultural Consulting**  
**CORN INSECT AND DISEASE REPORT**

**Grower:** MSU  
**Date:** 8/28/201

**Field(s):** Non-Irrigated  
**Crop Stage:** Early Dent  
**Plant Height:**

**Soil Moisture 0-12**: 65  
**12-24**: 60  
**24+**: 24+  
**%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

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**Comments:**

"Due to recent rain stresses due to moisture are removed"