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

**Grower:** MSU  
**Field(s):** 0124

**Date:** 07/27/2019  
**Crop Stage:** 18/9  
**Plant Height:** 14-16''

**Soil Moisture:** 75%  
0-12''  
75% 12+''

**%AWC:**

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

**Vigor:**

- Good
- Ok
- Poor

**Stress:**

- Heat
- Moisture
- Nitrogen

**Stress-Chlorophyll:**

- None
- Low
- High

**Weed Control:**

- Good
- Ok
- Poor
- Spotty

- Grasses
- Broadleaves
- Perennials

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### INSECT SPECIES

<table>
<thead>
<tr>
<th><strong>Species</strong></th>
<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</td>
<td>larvae</td>
<td>% plants affected</td>
<td></td>
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<tr>
<td>Armyworm</td>
<td>larvae</td>
<td>% plants affected</td>
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<tr>
<td>W.C.Rootworm</td>
<td>adults</td>
<td>Beetles/plant</td>
<td></td>
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<tr>
<td>C. Ear Worm</td>
<td>larvae</td>
<td>% ears affected</td>
<td></td>
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<tr>
<td>Spider Mites</td>
<td></td>
<td>% plants affected</td>
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</tbody>
</table>

### DISEASES

<table>
<thead>
<tr>
<th><strong>Species</strong></th>
<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 % Plts. Aff.</strong></th>
<th><strong>Threshold B/N/A</strong></th>
<th><strong>Dist. G/S/L</strong></th>
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</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td>Scattered on bottom leaves</td>
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<tr>
<td>NCLS</td>
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<tr>
<td>LB Leaf Blight</td>
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<tr>
<td>Rust</td>
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</table>

**Comments:**

SOM Scattered random color/growth variation on plot.
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Field Name/Number  G784  Grower  MSY  Growth Stage  D3/4

General Appearance  New Size  52%  Variance  OK  Leaf Color  90%  Variance  OK

Plant Population  Soil Moisture  0-12  75  12-24  75%  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

ACTION:
□ None Required
□ Watch
□ Yes, see comments

Comments:  24 8/4
          10ft of row counted (15” Rows)
          21 20 17 16 18 14
          18 15 6.25 10
          1.76’/ft.
          x 34.946  61.419 ACRE

□ Annual Grasses AG  □ Pigweed RRP
□ Foxtail F  □ Horsenettle HN
□ Panicum -Fall FP  □ Bindweed -Field FBW
□ Quack grass QG  □ Bindweed -Hedge HBW
□ Wirestem Muhly WM  □ Smartweed -Penn. PSM
□ Marestail MT  □ Smart -Swamp SSM
□ Crabgrass CG  □ Dogbane -Hemp HDB
□ Johnsongrass JG  □ Lambquarter LQU
□ Shattercane SCA  □ Ragweed CRAG
□ Nutsedge NS  □ Ragweed -Giant GRAG
□ Winter Annuals WA  □ Dock -Curly CD
□ Chickweed CW  □ Nightshade -Black BNS
□ Biennials WB  □ Jimsonweed JW
□ Cover Crop CC  □ Canada Thistle CTH
□ Velveteen VL  □ Yellow Rocket YR
□ Cocklebur CBUR  □ Perennials P
□ Milkwort CM  □ Pokeweed PW

□ 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  □ OK  □ Variance  OK
□ Growth  □ OK  □ Variance  OK
□ Plant spacing  □ OK  □ Variance  OK
□ Emergence    □ OK  □ Variance  OK
□ Soil Temperature  □ 2”

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