BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Date 7/12/2017

Field Name/Number G1R5  Grower MSY

Growth Stage V10/11

General Appearance 900/100  Size 3.4

Variance 900  Leaf Color 90

Plant Population 12-24  Soil Moisture 0-12

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:

Leaf spots due to mirid bug feeding

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

Buggywip  Stalk bending  Twisted whorl

Doubles

Density:  Variance

Growth:  Variance

Plant spacing:  Variance

Emergence:  Variance

Soil Temperature

Cutworms CW  White Grubs WG

Armyworms AW  Flea Beetles FB

Stalk borers SB  Aphids A

Wireworms WW  Slugs S

Spider Mites SM  Leafhoppers LH

Seed Corn Maggots  Foliar Disease-Rust

Foliar Disease-Fung  Corn Borer-%

Stunted plants

Root Damage  Insects  Plants

Diseases  Nematodes  Purplish

Yellowish  Stunting
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Seed Corn ☐ Corn ☐ Soybeans ☐ Wheat ☐ Green Beans ☐

Date 7/12/2019

Field Name/Number: G2R5 Grower: msy Growth Stage: 19/18

General Appearance: good Size: 10-14

Plant Population: ___________ Soil Moisture: 0-12 70 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:

10-14" Annual grasses spots Pennland Common.

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

Germination ☐ No ☐ 1/4" Root ☐ Spike PE

Emergence ☐ Breaking ☐ VC / V1

Nutrient Deficiency ☐ Spots ☐ General

Soil Compaction: ☐ Spots ☐ General ☐ Hard ☐ Crusted

Soil Surface: ☐ Spots ☐ General

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°

Cutworms CW ☐ White Grubs WG

Seed Corn Maggots ☐ Foliar Disease-Rust

Foliar Disease-Fungi ☐ Corn Borer-%

Stunted plants

Root Damage ☐ Insects ☐ Plants

Diseases ☐ Purplish ☐ Yellowish

Nematodes ☐ Stunting
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Seed Corn □ Corn □ Soybeans □ Wheat □ Green Beans □

Field Name/Number 6325 Grower M. G. Gresham Growth Stage

General Appearance  Good Size 10-14" Variance Good Leaf Color Good Variance Good

Plant Population ______________________ Soil Moisture 0-12  % 12-24  % 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:

grassess(annuals)
Purslane Common.

□ Annual Grasses AG
□ Foxtail F
□ Panicum -Fall FP
□ Quack grass QG
□ Wirestem Muhly WM
□ Marestail MT
□ Crabgrass CG
□ Johnsongrass JG
□ Shatercane SCA
□ Nutsedge NS
□ Winter Annuals WA
□ Chickweed CW
□ Biennials WB
□ Cover Crop CC
□ Velvetleaf VL
□ Cocklebur CBUR
□ Milkweed CM

□ Pigweed RRP
□ Horsenettle HN
□ Bindweed -Field FBW
□ Bindweed -Hedge HBW
□ Smartweed -Penn. PSM
□ Smart -Swamp SSM
□ Dogbane -Hemp HDB
□ Lambquarter LOU
□ Ragweed CRAG
□ Ragweed -Giant GRAG
□ Dock -Curly CD
□ Nightshade -Black BNS
□ Jimsonweed JW
□ Canada Thistle CTH
□ Yellow Rocket YR
□ Perennials P
□ 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
□ Buggy wipe □ Stalk bending □ Twisted whorl
□ Doubles ________ □
□ Density ________ Variance
□ Growth 90% Variance 90% □
□ Plant spacing ________ Variance
□ Emergence ________ Variance
□ Soil Temperature 2°

□ 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

□ Root Damage □ Insects □ Plants
□ Diseases □ Purplish □ Plants
□ Nematodes □ Yellowish □ Purplish
□ Stunting □
**BioEnt Agricultural Consulting**  
Gary Manley 269-273-7070  
**CORN INSECT AND DISEASE REPORT**  
Grower: MSU  
Field(s): M-1  

**Date:** 9/12/2009  
**Crop Stage:** V14/V15  
**Plant Height:** 6'-4"  
**Soil Moisture:** 70/70  
**VT Leaves:** 3/4  
**Silk:** 70/70  
**% 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:** OK  
**General Appearance:** OK  
**Leaf Color:** OK  
**Nitrogen:** None  
**Deficiency:**  
**Air Temperature:** 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>
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</thead>
<tbody>
<tr>
<td>Corn Borer</td>
<td>larvae</td>
<td>% plants affected</td>
<td></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>
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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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</table>

### 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>
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</thead>
<tbody>
<tr>
<td>Anthracnose</td>
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<tr>
<td>NCLS</td>
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<tr>
<td>Leaf Blight</td>
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<tr>
<td>Rust</td>
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**Notes:**  
- Leaf blight lesions on lower leaves, low level, early stages of development, may be gray leaf spot, but too early to tell.