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

- Seed Corn
- Corn
- Soybeans
- Wheat  
  
Grower: M 54  
Date: 7/14/2016

Field Name/Number: G/R

General Appearance
Size: UT
Variance: high
Leaf Color: OK
Variance: mixed

Plant Population: OK
Soil Moisture 0-12: 60/65  
12+: 60
%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

Comments:

Some tall emergence, others 2-3 leaf away. Growth development uneven. Spots with bottom 2/3 leaf yellowish.

N  
Variances due to dry conditions over past 2/3 week.

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- Annual Grasses AG
- Foxtail F
- Panicum - Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Field Sandbur FS
- Crabgrass CG
- Johnsongrass JG
- Shattercane 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
- Lambsquarter 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
- No
- VC/V1

- Nutrient Deficiency
- No
- General

- Soil Compaction:
  - No
  - Spots
  - General
  - Spotty
  - Hard
  - Crusted
  - Standing Water
  - No
  - Small Spots
  - Large Spots
  - Herbicide damage
  - No
  - Emergence stress
  - No

- Physiological Disorder in Corn
  - No
  - Yellowish whorl

- Doubles
  - No
  - %

- Density
  - OK
  - Variance

- Growth
  - OK
  - Variance

- Plant spacing
  - OK
  - Variance

- Emergence
  - OK
  - Variance

- Soil Temperature
  - 2"
### BioEnt – Early Season Survey

**Date:** 7/14/2016  
**Grower:** MSU  

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<thead>
<tr>
<th>Field Name/Number</th>
<th>General Appearance</th>
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<th>Stress-Chlorophyll</th>
<th>Vigor:</th>
<th>Action:</th>
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</tbody>
</table>

#### Comments:

- Size Range 3-6'  
- Tassel (pollen production) to plants in early UT (2-3) leaves over  
- Tassel yellowing at bottom 3/4 leaves general color variance of plants general variance due to moisture stress over last 2/3 weeks.

#### Plants

- Annual Grasses AG  
- Foxtail F  
- Panicum - Fall FP  
- Quack grass QG  
- Wirespem Muhly WM  
- Field Sandbur FS  
- Crabgrass CG  
- Johnsongrass JG  
- Shattercane SCA  
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- Winter Annuals WA  
- Chickweed CW  
- Biannuals WB  
- Cover Crop CC  
- Velvetleaf VL  
- Cocklebur CBUR  
- Milkweed CM  

#### Weeds

- Annual Grasses AG  
- Foxtail F  
- Panicum - Fall FP  
- Quack grass QG  
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- Field Sandbur FS  
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- Velvetleaf VL  
- Cocklebur CBUR  
- Milkweed CM  

#### 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

- Mixed

#### Growth

- Variance

#### Plant spacing

- Variance

#### Emergence

- Variance

#### Soil Temperature

- 2°

#### Herbicide damage

- Emergence stress

#### Physiological Disorder in Corn

- Yellowish whorl  
- Buggywip  
- Stalk bending  
- Twisted whorl

#### Doubles

- %

#### Density

- Mixed

#### Growth

- Variance

#### Plant spacing

- Variance

#### Emergence

- Variance

#### Soil Temperature

- 2°

#### Root Damage

- Plants

#### Insects

- Purplish

#### Diseases

- Yellowish

#### Nematodes

- Stunting
### BioEnt – Early Season Survey

**Name:** Gary Manley  
**Phone:** 269-273-7070 or 269-816-1080

**G3R1**  
**Grower:** MSU  
**Date:** 7/14/2014

### General Appearance

<table>
<thead>
<tr>
<th>General Appearance</th>
<th>Size</th>
<th>Variance</th>
<th>Leaf Color</th>
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<tbody>
<tr>
<td>Plant Population</td>
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<tr>
<td>Vigor:</td>
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**Stress-Chlorophyll:**
- None
- Low
- High
- General
- Spotty

- Grasses
- Broadleaves
- Perennials

**Vigor:**
- Good
- OK
- Poor

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

**Weed Control:**
- Good
- OK
- Poor
- Spotty
- Dense Spots

**Plant Population:**
- 0
- 50

### Plant Population

**Vigor:**
- Good
- OK
- Poor

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

**Weeds:**
- Grasses
- Broadleaves
- Perennials

**Vigor:**
- Good
- OK
- Poor

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

### Comments:

- Size Range: 3 – 6
- Tassel (Pollen production) to plants early V1 (V 16) Range (2 – 3 leaves) yellowing at bottom leaves general - Bottom 3/4 leaves
- Color variance of plants general
- Variance due to moisture stress over the last 3/3 weeks

- Germination: No
- 1/4" Root

- Emergence: Breaking
- VC / V1

- Nutrient Deficiency: Spots
- General

- Soil Compaction:
  - General
  - Hard
  - Crusted

- Standing Water:
  - Small Spots
  - Large Spots

- Herbicide damage
  - Emergence stress

- Physiological Disorder in Corn
  - Yellowish whorl
  - Buggiewip
  - Stalk bending
  - Twisted whorl

- Doubles: %
- Density: %
- Growth: %
- Plant spacing: %

- Emergence: %

- Soil Temperature: 2°

- Root Damage: No
- Insects
- Plants
- Purplish
- Diseases
- Yellowish
- Nematodes
- Stunting
# BioEnt – Early Season Survey

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<th>Leaf Color</th>
<th>%AWC</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Good</td>
<td>Good</td>
<td>None</td>
<td>Good</td>
<td>Good</td>
<td>60/65</td>
</tr>
</tbody>
</table>

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

**Comments:**
- Low level of *T. capsulata* feeding
- Color/growth normal
- Very low level of aphids noted

**Weeds:**
- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass QG
- Wirestem Muhly WM
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**Insects:**
- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- Flea Beetles
- Aphids
- White Grubs
- Slugs
- Leathoppers
- Seed Corn Maggots
- Root Damage
- Plants

**Diseases:**
- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Stunted plants
- Insects
- Plants
- Purplish
- Yellowish
- Nematodes
- Stunting