BioEnt – Early Season Survey

Field Name/Number: T185
General Appearance: OK
Size: OK
Variance: OK
Leaf Color: OK
Variance: OK
Plant Population: OK
Soil Moisture: 0-12
85
12+
85
%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:
Had Jill rape
Fusarium white head
General 2%
Fusarium scg
Scattered

Leaves starting to fill
back (natural/boost)

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
□ Buggypip □ Stalk bending □ Twisted whorl
Doubles ________ %
Density ________ Variance ________
Growth ________ Variance ________
Plant spacing ________ Variance ________
Emergence ________ Variance ________
Soil Temperature 2°

Cutworms
□ White Grubs
□ Flea Beetles
□ Seed Corn Maggots
□ Foliar Disease-Rust
□ Armyworms
□ Aphids
□ Foliar Disease-Fungi
□ Stalkborers
□ Slugs
□ Corn Borer-%
□ Wireworms
□ Leaffoppers
□ Stunted plants
□ Spider mites
□ Root Damage
□ Insects
□ Foliar Disease-Fungi
□ Plants
□ Purplish
□ Diseases
□ Yellowish
□ Nematodes
□ Stunting
**BioEnt – Early Season Survey**

**Grower**:互
date: 6/27/2013

**Field Name/Number**: TARS

**General Appearance**
- Size: OK
- Variance: OK
- Leaf Color: OK
- Variance: OK

**Plant Population**: AK
- Soil Moisture 0-12: 85
- 12+: 85

**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**:
- Head Fill
- Fusarium White Head 2% general
- Fusarium Scab (head) scattered general
- Leaves starting to die

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

**Comments**:
- Annual Grasses AG
- Foxtail F
- Panicum Fall FP
- Quack Grass CG
- 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

**Notes**:
- Pigweed RRP
- Horsenettle HN
- Bindweed Field FBW
- Bindweed Hedge HBW
- Smartweed Penn. PSM
- Smart-Swamp SSM
- Dogbane Hemp HD
- Lambsquarter 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
- □ Hericide damage □ Emergence stress
- □ Physiological Disorder in Corn □ Yellowish whorl
- □ Buggypip □ Stalk bending □ Twisted whorl
- □ Doubles %
- □ Density □ Variance
- □ Growth □ Variance
- □ Plant spacing □ Variance
- □ Emergence □ Variance
- □ Soil Temperature 2°

**Insects** □ Cutworms □ Armyworms □ Stalkborers □ Wireworms □ Spider mites
**Diseases** □ White Grubs □ Flea Beetles □ Aphids □ Slugs □ Leathoppers
**Foliar Disease** □ Seed Corn Maggots □ Foliar Disease-Rust □ Foliar Disease-Fungi
**Nematodes** □ Root Damage □ Insects □ Plants
□ R外部 □ Purplish □ Diseases □ Yellowish □ Stunting
### BioEnt – Early Season Survey

**Grower:** MSU  
**Date:** 6-17-2013

<table>
<thead>
<tr>
<th>Field Name/Number</th>
<th>JBR5</th>
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</table>

**General Appearance:** OK  
**Size:** OK  
**Variance:** OK  
**Leaf Color:** OK  
**Variance:** OK

<table>
<thead>
<tr>
<th>Plant Population</th>
<th>05</th>
<th>Soil Moisture 0-12</th>
<th>85</th>
<th>12+</th>
<th>85</th>
<th>%AWC</th>
</tr>
</thead>
</table>

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

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

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

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

- Grasses
- Broadleaves
- Perennials

### Action:
- None Required
- Watch
- Yes, see comments

### Comments:
- **Rain fill - Head fill**
- **Fusarium white heads**
- 21% general
- **Fusarium scab**
- general leaves starting to die back

### Map:

```
N
W
E
S
```

### Problems:
- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass CQ
- Wirestem Muhly WM
- Field Sandbur FS
- Crabgrass CG
- Johnsongrass JG
- Shattercane SCA
- Nutseed NS
- Winter Annuals WA
- Chickweed CW
- Biannuals WB
- Cover Crop CC
- Velvetleaf VL
- Cocklebur CBUR
- Milkwed CM
- Pigweed RRP
- Horsetail HN
- Bindweed -Field FBW
- Bindweed -Hedge HBW
- Smartweed -Penn. PSM
- Smart -Swamp SSM
- Dogbane -Hemp HDB
- Lambsquarter LOU
- Ragweed CRAG
- Ragweed -Giant GRAG
- Dock -Curly CD
- Nightshade -Black BNS
- Jimsonweed JW
- Canada Thistle CTH
- Yellow Rocket YR
- Perennials P
- Pokeweed PW

### Issues:
- 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
  - 2°

### Pests:
- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Seed Corn Maggots
- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Leafhoppers
- Stunted plants

### Other:
- Root Damage
- Insects
- Purplish
- Diseases
- Yellowish
- Nematodes
- Stunting
Comments:

Fusarium white head 2/10/20
Fusarium Scab head general
Leaves shown die back.

ACTION:
- None Required
- Watch
- Yes, see comments
**BioEnt – Early Season Survey**

**Grower** MSU  **Date** 6/27/2013

**Field Name/Number** TG 55  **Alfalfa**

**General Appearance** OK  **Size** OK  **Variance** OK  **Leaf Color** OK  **Varience** OK

**Plant Population** OK  **Soil Moisture 0-12** 85  **12+** 85  **%AWC**

**Vigor:**
- [ ] Good
- [ ] OK
- [ ] Poor

**Stress:**
- [ ] Heat
- [ ] Moisture
- [ ] Nitrogen

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

**Weed Control:**
- [ ] Good
- [ ] OK
- [ ] Poor
- [ ] Spotty
- [ ] Dense Spots
- [ ] Grasses
- [ ] Broadleaves
- [ ] Perennials

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

**Comments:**

- Bud/Early flower
- 10-20""?
- Potato leaf hopper 0.2/week
- Aphids – low 0.5/week
- Hopper Larvae – very low
- Few scattered grasshoppers
- Tarshis plant bug – low
- Nabid bugs – general
- Spiders – general

**Additional Observations:**

- Annual Grasses AG
- Foxtail F
- Panicum-Fall FP
- Quack grass CG
- Wirestem Muhly WM
- Field Sandbur FS
- Crabgrass CG
- Johnsongrass-JG
- Shattercane SCA
- Nutsedge NS
- Winter Annuals WA
- Chickweed CW
- Biannuials 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 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:
  - 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
  - Plants
  - Insects
  - Purplish
  - Diseases
  - Yellowish
  - Nematodes
  - Stunting
BioEnt – Early Season Survey

Gary Manley 269-273-7070 or 269-816-1080

[Marked fields]

Field Name/Number: [Marked fields]

General Appearance: OK
Size: OK
Variance: OK
Leaf Color: OK
Variance: OK

Plant Population: OK
Soil Moisture 0-12: 85
12+: 85
%AWC

Vigor: □ Good □ OK □ Poor □ General □ Spotty
Stress: □ Heat □ Moisture □ Nitrogen □ General □ Spotty
Stress-Chlorophyll: □ None □ Low □ High □ General □ Spotty
Weed Control: [Marked fields]

ACTION:
[Marked fields]

Comments:

Head Hill Stage
Fusarium white heads < 1% general
Fusarium head scab
Leaf starting to die

[Marked fields]

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 ________ 2°

□ Cutworms □ White Grubs □ Seed Corn Maggots
□ Armyworms □ Flea Beetles □ Foliar Disease-Rust
□ Stalkborers □ Aphids □ Foliar Disease-Fungi
□ Wireworms □ Slugs □ Corn Borer-%
□ Spider mites □ Leafhoppers □ Stunted plants

□ Root Damage □ Insects □ Purplish
□ Plants □ Diseases □ Yellowish
□ Nematodes □ Stunting
**BioEnt – Early Season Survey**  
Gary Manley 269-273-7070 or 269-816-1080

Field Name/Number:  
Growth Stage:  
General Appearance:  
Size:  
Variance:  
Leaf Color:  
Variance:  
Plant Population:  
Soil Moisture:  
85% AWC

### Action:
- None Required
- Watch
- Yes, see comments

### Comments:
- Headfill stage
- Fusarium white heads 21%
- Fusarium seep (head)
- Leaves starting dieback

### Map:

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### Pests:
- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Seed Corn Maggots
- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Leafhoppers
- Stunted plants
- Root Damage
- Insects
- Purplish
- Diseases
- Yellowish
- Nematodes
- Stunting

### Additional Observations:
- Annual Grasses AG
- Foxtail F
- Panicum-Fall FP
- Quack grass QG
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- Perennials P
- Pokeweed PW

### Other Observations:
- 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°