### BioEnt – Early Season Survey

- **Date:** 6/14/2015
- **Grower:** MSA

#### Field Name/Number
- G1R2

#### General Appearance
- Size: Normal
- Variance: OK

#### Plant Population
- Soil Moisture: 0-12% 75/80

#### Leaf Color
- Mixed Variance: OK

#### Vigor
- General: Spotty
- Spotty: Poor

#### Stress
- Moisture: None
- Nitrogen: General

#### Stress-Chlorophyll
- None: Low
- Low: High

#### Weed Control
- Grasses: Poor
- Broadleaves: Poor

#### Action
- 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

#### Comments:

- 5/6 8" Range Planted May 1 - 2015
- Some yellowing on lower new growth looks normal
- Likely herbicide related to climate

#### N
- Repl 1, 3, 4 & 5 look about 40% Same as
- Rep 2
- Sprayed Roundup 6-3-15

#### W

#### E

#### S

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

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

<table>
<thead>
<tr>
<th>Field Name/Number</th>
<th>Grower</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MSU</td>
<td>5/14 2015</td>
</tr>
</tbody>
</table>

### General Appearance

<table>
<thead>
<tr>
<th>Size</th>
<th>Variance</th>
<th>Leaf Color</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Plant Population

<table>
<thead>
<tr>
<th>PE</th>
<th>Soil Moisture 0-12</th>
<th>75/10</th>
<th>12+</th>
<th>80</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:

Planted May 29-15

Spike just below surface
Sprayed Roundup 6-3-15
Rye Covers Crop

### Germination

- No
- 1/4" Root
- Spike PE

### Emergence

- Breaking
- VC / V1

### Nutrient Deficiency

- Spots
- General

### Soil Compaction

- Spots
- General

### Soil Surface

- 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

- Insects
- Plants
- Purplish

### Diseases

- Yellowish

### Nematodes

- Stunting
# BioEnt – Early Season Survey

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

- **Grower**: [Handwritten]
- **Date**: 6/14/2015

**Field Name/Number**: [Handwritten]

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<tbody>
<tr>
<td>[ ] Seed Corn</td>
<td>[ ] Corn</td>
<td>[ ] Soybeans</td>
<td>[ ] Wheat</td>
<td>[ ] General</td>
</tr>
<tr>
<td>[ ] General</td>
<td>[ ] Spotty</td>
<td>[ ] Vigor:</td>
<td>[ ] OK</td>
<td>[ ] Poor</td>
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<tr>
<td>[ ] Stress:</td>
<td>[ ] Heat</td>
<td>[ ] Stress-Chlorophyll:</td>
<td>[ ] Low</td>
<td>[ ] High</td>
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<tr>
<td>[ ] Insects</td>
<td>[ ] Purplish</td>
<td>[ ] Nutrient Deficiency</td>
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**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

- **Field Name/Number**: [Handwritten]
- **General Appearance**: [Handwritten]
- **Plant Population**: [Handwritten]
- **Soil Moisture**: 0-12

**Comments**: [Handwritten]

- **Planting**: May 29-2015
- **RyeCover**: Sprayed Roundup 6-3-15
- **Early Cracking**

**ACTION**: [ ] None Required

- **Comments**: [Handwritten]

**Insects**: [ ] Cutworms | [ ] Armyworms | [ ] Stalkborers | [ ] Wireworms | [ ] Spider mites

**Diseases**: [ ] Foliar Disease-Rust | [ ] Foliar Disease-Fungi | [ ] Corn Borer-%


**Emergence**: [ ] No | [ ] 1/4'' Root | [ ] Spike PE

**Nutrient Deficiency**: [ ] Spots | [ ] General

**Soil Compaction**: [ ] Spots | [ ] General

**Stunting**: [ ] None


**Emergence**: [ ] No | [ ] 1/4'' Root | [ ] Spike PE

**Nutrient Deficiency**: [ ] Spots | [ ] General

**Soil Compaction**: [ ] Spots | [ ] General

**Stunting**: [ ] None
BioEnt – Early Season Survey

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

☐ Seed Corn ☑ Corn ☐ Soybeans ☐ Wheat ☜ Grower DSJN Date 7/14/2015

Field Name/Number G4R2 Growth Stage

General Appearance Size Variance Leaf Color Variance

Plant Population PE Soil Moisture 0-12 75-80 12+ 80 %AWC

ACTION:
☒ None Required ☑ Watch ☐ Yes, see comments

Comments:

Planted May 29-2015
Rye Corn Crop
Sprayed Round-up 6/3-15
PE - Spike just below surface

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

☐ Annual Grasses AG ☐ Foxtail F
☐ Panicum - Fall FP ☐ Quack grass QG
☐ Wirestem Muhly WM ☐ Field Sandbur FS
☐ Crabgrass CG ☐ Johnsongrass JG
☐ Johnsongrass JG ☐ Shattercane SCA
☐ Nutsedge NS ☐ Winter Annuals WA
☐ Chickweed CW ☐ Biennials WB
☐ Biennials WB ☐ Cover Crop CC
☐ Velvetleaf VL ☐ Cocklebur CBUR
☐ Milkweed CM ☐ Pokeweed PW
☐ Pigweed RRP ☐ Horsenettle HN
☐ Bindweed - Field FBW ☐ Bindweed - Hedge HBW
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Germination ☐ No ☑ 1/4" Root ☐ Spike PE
Emergence ☐ Breaking ☐ VC / V1
Nutrient Deficiency ☐ Spots ☐ General
Soil Compaction: ☐ Soil Surface:
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