### BioEnt – Early Season Survey

**Growth Stage:**

- **Field Name/Number:** G1R5
- **Date:** 7/1/2015
- **Grower:** JMG

#### Plant Population

- **Soil Moisture:** 0-12
- **%AWC:**

#### Weeds

- **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**
- **Annuals AG**
- **Bindweed - Field FBW**
- **Bindweed - Hedge HBW**
- **Smartweed - Penn. PSM**
- **Smart - Swamp SSM**
- **Dogbane - Hemp HDB**
- **Lamb'squarter 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**
- **Emergence**
- **Nutrient Deficiency**
- **Soil Compaction:**
  - **Spots**
  - **General**
- **Standing Water**
- **Herbicide damage**
- **Physiological Disorder in Corn**
  - **Buggywind**
  - **Stalk bending**
- **Doubles**
- **Density**
- **Growth**
- **Plant spacing**
- **Emergence**
- **Soil Temperature**

#### Insects

- **Cutworms**
- **White Grubs**
- **Flea Beetles**
- **Armyworms**
- **Aphids**
- **Wireworms**
- **Slugs**
- **Spider mites**
- **Leafhoppers**
- **Seed Corn Maggots**
- **Foliar Disease - Rust**
- **Foliar Disease - Fungi**
- **Corn Borer - Stalkborers**
- **Flea Beetles**
- **Slugs**
- **Leafhoppers**
- **Stunted plants**
- **Root Damage**
- **Insects**
- **Plants**
- **Nematodes**
- **Stunting**

#### Diseases

- **Diseases**
- **Yellowish**
- **Nematodes**
- **Stunting**

#### Vigor

- **Good**
- **OK**
- **Poor**
- **General**
- **Spotty**

#### Stress

- **Heat**
- **Moisture**
- **Nitrogen**
- **General**
- **Spotty**

#### Nutrient Deficiency

- **Spots**
- **General**

#### Nutrient Deficiency

- **Spots**
- **General**

#### Emergence

- **Spots**
- **General**

#### Soil Temperature

- **2”**

#### General Appearance

- **Size**
- **Variance**

#### Leaf Color

- **OK**
- **Variance**

#### Comments:

- **VT - early tassel**
- **Emergence**
- **Early silk emergence**
- **Color / growth normal**

- **Low level Rust**
- **Some foliar disease on leaves**
- **Stunted plants**

- **Watch**
- **Yes, see comments**
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Seed Corn ☐ Corn ☐ Soybeans ☐ Wheat ☐ ☐ Grower MSY Date 7/16/2015
Field Name/Number ☐ Size OK Variance 2/3 Leaf Color OK Variance 1
Plant Population OK Soil Moisture 0-12 5790 12+ 90+ %AWC

<table>
<thead>
<tr>
<th>Vigor:</th>
<th>Good</th>
<th>OK</th>
<th>Poor</th>
<th>General</th>
<th>Spotty</th>
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</thead>
<tbody>
<tr>
<td>Stress:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stress-Chlorophyll:</td>
<td>☐ None</td>
<td>☐ Low</td>
<td>☐ High</td>
<td>☐ General</td>
<td>☐ Spotty</td>
</tr>
<tr>
<td>Weed Control:</td>
<td>☐ Good</td>
<td>☐ OK</td>
<td>☐ Poor</td>
<td>☐ Spotty</td>
<td>☐ Dense Spots</td>
</tr>
<tr>
<td></td>
<td>☐ Grasses</td>
<td>☐ Broadleaves</td>
<td>☐ Perennials</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Comments:
4' Fall Range
VII Range
Good weed control
Color growth uniformity improved
Normal, still some reduced growth

N
Scattered remains of Stink bug damage

E

W

S

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
Herbicidal damage ☐ Emergence stress
Physiological Disorder in Corn ☐ Yellowish whorl
Buggawip ☐ Stalk bending ☐ Twisted whorl
Doubles ☐
Density ☐ Variance
Growth ☐ Variance 2/3
Plant spacing ☐ Variance
Emergence ☐ Variance
Soil Temperature 2°

Root Damage ☐ Insects ☐ Plants
Insects ☐ Diseases ☐ Purplish
Diseases ☐ Yellowish ☐ Nematodes
Nematodes ☐ Stunting

- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Field Sandbur FS
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- Pigweed RRP
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- Yellow Rocket YR
- Perennials P
- Pokeweed PW

- Cutworms
- Armyworms
- Stalk Borers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Aphids
- Slugs
- Leafhoppers
- Seed Corn Maggots
- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Stunted plants
**BioEnt – Early Season Survey**

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

<table>
<thead>
<tr>
<th>Seed Corn</th>
<th>Corn</th>
<th>Soybeans</th>
<th>Wheat</th>
<th>Grower</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>mSU</td>
<td>7/14/2015</td>
</tr>
</tbody>
</table>

**Field Name/Number**

| G3 RG |

**General Appearance**

| OK | Size | OK | Variance | OK | Leaf Color | OK | Variance |

**Plant Population**

| OK | Soil Moisture 0-12 | 85/90 | 12+ | 90+ | %AWC |

**Vigor:**

- ☐ Good
- ☐ OK
- ☐ Poor
- ☐ Spotty

**Stress:**

- ☐ Heat
- ☐ Moisture
- ☐ Nitrogen
- ☐ General
- ☐ Spotty

**Stress-Chlorophyll:**

- ☐ None
- ☐ Low
- ☐ High
- ☐ General
- ☐ Spotty

**Weed Control:**

- ☐ Good
- ☐ OK
- ☐ Poor
- ☐ Spotty
- ☐ Dense Spots

**Comments:**

- 15" Range Flowering
- Mixture of Grasses & Broadleaves
- Control anytime
- Color/growth Normal
- Taj Beetles in plot

**Action:**

- None Required
- ☐ Watch
- Yes, see comments

**Comments:**

- 15" Range Flowering
- Mixture of Grasses & Broadleaves
- Control anytime
- Color/growth Normal
- Taj Beetles in plot

**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**

- ☐ Buggysip
- ☐ Stalk bending
- ☐ Twisted whorl

**Doubles**

- ☐ %

**Density**

- ☐ Variance

**Growth**

- ☐ OK
- ☐ Variance

**Plant spacing**

- ☐ Variance

**Emergence**

- ☐ Variance

**Soil Temperature**

- 2"

**Root Damage**

- ☐ Insects
- ☐ Purplish

**Insects**

- ☐ Diseases
- ☐ Yellowish

**Diseases**

- ☐ Nematodes
- ☐ Stunting

**Nematodes**

- ☐ Stunting
### BioEnt – Early Season Survey

**Grower:**

**Date:** 7/1/2019

**Field Name/Number:**

**Plant Population:**

**Seed Corn**
- Corn
- Soybeans
- Wheat

**General Appearance:**

- Seed Corn
- Corn
- Soybeans
- Wheat

**Leaf Color:**

- OK
- Variance

**Vigor:**

- OK
- Variance

**Plant Population:**

- OK
- Variance

**Soil Moisture:**

- 0-12
- AWC

**Leaf Color:**

- OK
- Variance

**Vigor:**

- OK
- Variance

**Stress:**

- General
- Spotty

**Stress-Chlorophyll:**

- General
- Spotty

**Weed Control:**

- Good
- OK
- Poor
- Spotty

**Comments:**

- 4-5’ Range
- Normal Color/Growth

**ACTION:**

- None Required

**Weed Control:**

- Grasses
- Broadleaves
- Perennials

**Nutrient Deficiency:**

- General
- Spotty

**Stunting:**

- None
- Low
- High

**Disease:**

- None
- Low
- High

**Nitrogen:**

- General
- Spotty

**Growth Stage:**

- General
- Spotty

**Soil Compaction:**

- Spots
- General
- Crusted

**Plant Density:**

- OK
- Variance

**Nutrient Deficiency:**

- General
- Spotty

**Stunting:**

- None
- Low
- High

**Soil Temperature:**

- 2”

**Soil Moisture:**

- 0-12
- AWC

**Soil Compaction:**

- Spots
- General
- Crusted

**Emergence Stress:**

- None
- Low
- High

**Soil Compaction:**

- Spots
- General
- Crusted

**Stunting:**

- None
- Low
- High

**Soil Temperature:**

- 2”

**Root Damage:**

- None
- Insects
- Purplish

**Plants:**

- None
- Diseases
- Yellowish

**Nematodes:**

- None
- Insects
- Purplish

**Stunting:**

- None
- Low
- High

**Soil Temperature:**

- 2”

**Cutworms**

- None
- Low
- High

**Armyworms**

- None
- Low
- High

**Stalkborers**

- None
- Low
- High

**Wireworms**

- None
- Low
- High

**Spider mites**

- None
- Low
- High