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

- **Date:** 7/12/2017

**Field Name/Number:** GIRS

**Grower:** msy

**Growth Stage:**

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

**Plant Population:**

- **Soil Moisture:** 0-12
- **12-24:** 75
- **24+:** 2

**APPEARANCE:**

- **Vigor:** Good
- **Stress:** Heat
- **Stress-Chlorophyll:** None
- **Weed Control:** Good

**ACTION:**

- None Required
- Watch
- Yes, see comments

**Comments:**

- "6' Range UT VP Tassel emergence this week."

**PLANTS:**

- 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
- 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:**

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

**EMERGENCE:**

- Emergence
- Breaking
- VC / V1

**NUTRIENT DEFICIENCY:**

- Nutrient Deficiency
- Spots
- General

**SOIL COMPACTION:**

- Soil Compaction
- Spots
- General
- Hard
- Crusted

**STANDING WATER:**

- Standing Water
- Small Spots
- Large Spots

**HERBICIDE DAMAGE:**

- Herbicide damage
- Emergence stress

**PHYSIOLOGICAL DISORDER IN CORN:**

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

**Doubles:**

- %

**DENSITY:**

- Density
- Variance

**GROWTH:**

- Growth
- Variance

**PLANT SPACING:**

- Plant spacing
- Variance

**EMERGENCE:**

- Emergence
- Variance

**SOIL TEMPERATURE:**

- Soil Temperature
- 2°

**ROOT DAMAGE:**

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

**PLANTS:**

- White Grubs WG
- Flea Beetles FB
- Aphids A
- Slugs S
- Leafhoppers LH
- 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>Field Name/Number</th>
<th>G2R5</th>
<th>Grower</th>
<th>2/13/2017</th>
<th>Growth Stage</th>
<th>Action</th>
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<table>
<thead>
<tr>
<th>General Appearance</th>
<th>Size</th>
<th>Variance</th>
<th>Leaf Color</th>
<th>Variance</th>
<th>Plant Population</th>
<th>Soil Moisture</th>
<th>0-12</th>
<th>12-24</th>
<th>24+</th>
<th>%AWC</th>
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<thead>
<tr>
<th>Vigor:</th>
<th>Good</th>
<th>Poor</th>
<th></th>
<th>General</th>
<th>Spotty</th>
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<table>
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<tr>
<th>Stress:</th>
<th>Heat</th>
<th>Nitrogen</th>
<th>Moisture</th>
<th>General</th>
<th>Spotty</th>
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<table>
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<tr>
<th>Stress-Chlorophyll:</th>
<th>None</th>
<th>Low</th>
<th>High</th>
<th>General</th>
<th>Spotty</th>
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<tr>
<th>Weed Control:</th>
<th>Good</th>
<th>OK</th>
<th>Poor</th>
<th>Spotty</th>
<th>Dense Spots</th>
<th>Grasses</th>
<th>Broadleaves</th>
<th>Perennials</th>
</tr>
</thead>
</table>

- **Vigor:** Good
- **Stress:** Heat
- **Stress-Chlorophyll:** None
- **Weed Control:** Good

**Comments:**

- **24" Range V-7/8**
- Growth somewhat uneven in size and growth, uneven emergence, plus stink bug feeding.

- **Stink Bug damage 30% scattered stink bug feeding.**

- **Some scattered stink bug damage.**

- **Some scattered stink bug feeding.**

- **Cutworms CW**
- **Armyworms AW**
- **Stalkborers SB**
- **Wireworms WW**
- **Spider Mites SM**

- **Seed Corn Maggots**
- **White Grubs WG**
- **Seed Corn Maggots**
- **Foliar Disease-Rust**
- **Foliar Disease-Fungi**
- **Corn Borer-%**
- **Stunted plants**

- **Root Damage**
- **Plants**
- **Insects**
- **Diseases**
- **Yellowish**
- **Nematodes**
- **Stunting**

- **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**
- **Biannuals WB**
- **Cover Crop CC**
- **Velvetleaf VL**
- **Cocklebur CBUR**
- **Milkwheat 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**
- **Emergence**
- **Nutrient Deficiency**
- **Soil Compaction:**
- **Soil Surface:**
- **Soil Temperature:** 2"
# BioEnt – Early Season Survey

**Date:** 7/13/2017  
**Grower:** Gary Manley  
**Growth Stage:** V6.17  
**Date:** 7/13/2017

## Field Name/Number
- **G325**

## General Appearance
- **Good**

## Size Variance
- **OK**

## Leaf Color
- **Good**

## Size Variance
- **OK**

## Soil Moisture
- 0-12  
- 12-24  
- 25  
- 24+  
- %AWC

### Vigor
- **Good**
- **OK**
- **Poor**

### Stress
- **Heat**
- **Moisture**
- **Nitrogen**

### Stress-Chlorophyll
- **None**
- **Low**
- **High**

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

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

#### Broadleaves
- Pigweed RRP
- Horsenettle HN
- Bindweed - Field FBW
- Bindweed - Hedge HBW
- Smartweed - Penn. PSM
- Smart - Swamp SSM
- Dogbane - Hemp HDB
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- Dock - Curly CD
- Nightshade - Black BNS
- Jimsonweed JW
- Canada Thistle CTH
- Yellow Rocket YR
- Perennials P
- Poxeweed 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
- **OK**

### Growth
- **OK**

### Plant Spacing
- **OK**

### Emergence
- **OK**

### Soil Temperature
- **2"**

### Cutworms CW
- White Grubs WG
- Seed Corn Maggots
- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Stunted plants

### Armyworms AW
- Flea Beetles FB
- Aphids A
- Root Damage
- Insects
- Plants
- Purplish

### Stalkborers SB
- Slugs S
- Diseases
- Yellowish

### Wireworms WW
- Leafhoppers LH
- Nematodes
- Stunting

### Spider Mites SM
- Leaf Rollers
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Date 7/13 2017

Field Name/Number CYR5 Grower MGY

General Appearance ok Size ok Variance ok Leaf Color ok Variance low

Plant Population 70% 25

Vigor: Yes 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 □ Broadleafs □ Perennials

Comments:

3' tall range 18/14

Color a little uneven

N

Some scattered stink bug damage. Spotty low level.

W

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ACTION:

□ None Required

□ Watch

□ Yes, see comments

Annual Grasses AG

Foxtail F

Panicum -Fall FP

Quack grass QG

Wiresum Muhly WM

Marestail MT

Crabgrass CG

Johnsongrass JG

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Soil Compaction: □ Spots □ General □ Soil Surface:

□ Hard □ Crusted

□ 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 □ Insects □ Plants

□ Purplish □ Diseases □ Yellowish

□ Nematodes □ Stunting

□ Cutworms CW □ White Grubs WG □ Seed Corn Maggots

□ Armyworms AW □ Flea Beetles FB □ Foliar Disease-Rust

□ Stalkborers SB □ Aphids A □ Foliar Disease-Fungi

□ Wireworms WW □ Slugs S □ Corn Borer-%

□ Spider Mites SM □ Leafhoppers LH □ Stunted plants