### BioEnt – Early Season Survey

**Grower:** M64  
**Date:** 6/1/2013

**Field Name/Number:** GIR2  
**Growth Stage:**

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

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

**Vigor:** Good  
**Moisture:** OK  
**Nitrogen:** General

**Stress-Chlorophyll:** None  
**Heat:** Low  
**General:** Spotty

**Weed Control:** Good  
**Grasses:** OK  
**Broadleaves:** Poor  
**Perennials:** Spotty

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

### Comments:

- **U6/17 12-14” Range**
- **Slugs feeding on leaves (minor)**
- **Corn Borer - minor**
  - 1-5% of plants injured
  - (21% overall)

- **Pokeweed/Poison Ivy –lead**

- **Pokeweed/Poison Ivy – abundance**

- **Cutworms**
- **White Grubs**
- **Seed Corn Maggots**
- **Flea Beetles**
- **Foliar Disease-Rust**
- **Foliar Disease-Fungi**
- **Slugs**
- **Corn Borer-%**
- **Leafhoppers**
- **Stunted plants**

- **Root Damage**
- **Insects**
- **Diseases**
- **Nematodes**
- **Plants**
- **Purplish**
- **Yellowish**
- **Nematodes**
- **Stunting**
**BioEnt – Early Season Survey**

- **Grower**: MSU
- **Date**: 6/12/2013
- **Field Name/Number**: G2R2
- **Growth Stage**: Class A
- **General Appearance**: OK Size: OK Variance: OK Leaf Color: OK Variance: OK
- **Plant Population**: (1) General: Spotty
- **Vigor**: Good
- **Stress**: Heat: None Low: High
- **Stress-Chlorophyll**: None Low: High
- **Weed Control**: Good
- **Soil Moisture**: 0-12 good 12+ good

**Comments:**

- **UE/V1 1-2” Range**: Consider cutworm control
- **Cutworms – over threshold (Spotty) Active feeding (old damage)**

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

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

**Pigweed**: RRP
- Horseradish HN
- Bindweed Field FBW
- Bindweed Hedge HBW
- Smartweed Penn PSM
- Smart Swamp SSM
- Dogbane Hemp HDB
- Lambsquarters LQO
- 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
- Bughwyp: Stalk bending: Twisted whorl
- Doubles: %
- Density: Variance
- Growth: Variance
- Plant spacing: Variance
- Emergence: Variance
- Soil Temperature: 2”

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

**Root Damage**
- Insects
- Purplish
- Diseases
- Yellowish
- Nematodes
- Stunting
BioEnt – Early Season Survey

Field Name/Number: G3R2

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

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

Soil Moisture: 0-12

ACTION:
Yes, see comments

Comments:

Vegetation: Normal

G3R4

Vegetation Type:

Agrostis AG

Foliar Disease: RRP

Nutrient Deficiency: Spots

Soil Compaction: Spots

Standing Water: Small Spots

Herbicide Damage: Emergence stress

Physiological Disorder: Yellowish whorl

Doubles: 1%

Density: Variance

Growth: Variance

Plant Spacing: Variance

Emergence: Variance

Soil Temperature: 2

Cutworms

White Grubs

Flea Beetles

Seed Corn Maggots

Foliar Disease-Rust

Foliar Disease-Fungi

Corn Borer-%

Stunted plants

Root Damage: Insects

Plants: Purplish

Diseases: Yellowish

Nematodes: Stunting
BioEnt – Early Season Survey

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

Seed Corn \ Check \ Corn \ Soybeans \ Wheat \ Grower \ 06/30 \ Date \ 6/13/2013

Field Name/Number: G4R3

General Appearance: \ Check \ Size: \ Check \ Variance: \ Check \ Leaf Color: \ Check \ Variance: \ Check

Plant Population: \ Check \ Soil Moisture: 0-12 \ Check \ 12+: \ Check \ %AWC

Vigor: \ Check \ Good \ Check \ Poor \ General \ Spotty

Stress: \ Check \ Heat \ Moisture \ Nitrogen \ General \ Spotty

Stress-Chlorophyll: \ Check \ None \ Low \ High

Weed Control: \ Check \ Good \ Check \ Poor \ Spotty \ Dense Spots

Grasses \ Check \ Broadleaves \ Check \ Perennials

ACTION:
\ Check \ None Required
\ Box \ Watch
\ Box \ Yes, see comments

Comments:

U1 2-3"  
Scattered bird damage

G4R1 - No Cutworms
G4R2 - No Cutworms
G4R1 - No Cutworms

- 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
- Breaking
- VC / V1

- Nutrient Deficiency
- Spots
- General

- Soil Compaction:

- Spots
- General
- 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
- Armyworms
- Stalkborers
- Wireworms
- Spider mites

- White Grubs
- Flea Beetles
- Aphids
- Slugs
- Leathoppers

- Seed Corn Maggots
- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Stunted plants

- Root Damage
- Insects
- Purplish

- Diseases
- Yellowish

- Nematodes
- Stunting