### BioEnt – Early Season Survey

**Field Name/Number:** 123  
**Grower:** M 51  
**Growth Stage:** VE/V1  
**Date:** 6/7/2013

### General Appearance

- Size: Variance
- Leaf Color: Variance

### Plant Population

- 0: OK
- 1: 12
- 12: 75
- 24: 80
- 24+: %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

### Comments:

- Plot looks ok.
- Still few emerging

### Action

- None Required
- Watch
- Yes, see comments

### Action:

- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Marestail MT
- Crabgrass CG
- Johnson grass JG
- Shartcane SCA
- Nutsedge NS
- Winter Annuals WA
- Chickweed CW
- Biannuais 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

### Insects

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

### Root Damage

- Insects
- Diseases
- Nematodes
- Yellowish
- Purplish
- Stress
- Chlorophyll
- None
- Low
- High
- General
- Spotty

### Soil Compaction

- Spots
- General
- Hard
- Crusted

### Standing Water

- Small Spots
- Large Spots

### Herbicide damage

- Buggywip
- Stalk bending
- Twisted whorl

### Physiological Disorder in Corn

- Yellowish whorl
- Buggywip
- Stalk bending
- Twisted whorl

### Emergence

- OK
- Variance

### Plant spacing

- Variance

### Soil Temperature

- 2°
### Soybeans
- Seed Corn □
- Corn X
- Soybeans □
- Wheat □
- Green Beans □

### BioEnt – Early Season Survey
Date: 6/7/2018

<table>
<thead>
<tr>
<th>Field Name/Number</th>
<th>Grower</th>
<th>Growth Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>723</td>
<td>MSLA</td>
<td>VE</td>
</tr>
</tbody>
</table>

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

### Plant Population
- Soil Moisture: 0-12
- 70% 12-24
- 40% 24+
- %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

### Comments:
- Growth/development good

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

### Comments:
- [Comments]

### Weed Control
- Grasses □
- Broadleaves □
- Perennials □

### 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

### Annual Grasses AG
- 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 □

### Grasses
- No □ 1/4" Root □ Spike PE □
- Breaking □ VC / V1 □
- Nutrient Deficiency □
- General □

### Nutrient Deficiency
- □ Spots
- □ General

### Nutrient Deficiency
- □ Hard
- □ Crusted

### Soil Compaction
- □ Soil Surface:
  - □ Spots
  - □ General

### Soil Compaction
- □ 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"
**BioEnt – Early Season Survey**

**Seed Corn**  **Corn**  **Soybeans**  **Wheat**  **Green Beans**

Field Name/Number: **3R3**

**General Appearance**

- Size
- Variance

**Plant Population**

- Soil Moisture: 0-12  20/75  12-24  80  24+  %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

**Comments:**

Poor stand - due to heavy rains - Some seed 7-7 1/2 deep - Washed over seed very uneven/pophulations range from 10,000 plants per acre to 4-90,000 - 129 acres some spots have no plants Standing water in section of plot.

With some starting corn, it is still early June, or interseed with 7/20/67 H.S.

**ACTION:**

- None Required
- Watch
- Yes, see comments

**Weed Control:**

- Annual Grasses AG
- Foxtail F
- Panicum - Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Marestail MT
- Crabgrass CG
- Johnson grass 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
- 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

**Grass**

- White Grubs WG
- Flea Beetles FB
- Aphids A
- Slugs S
- leafhoppers LH

**Plants**

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

**Insects**

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

**Diseases**

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

**Name:** Gary Manley  
**Date:** 2015  
**Grower:** [Signature]  
**Growth Stage:** [Signature]

**Field Name/Number:** T3R3  
**Seed Corn:** [ ]  
**Corn:** [ ]  
**Soybeans:** [ ]  
**Wheat:** [ ]  
**Green Beans:** [ ]

### General Appearance

- **Size**
- **Variance**
- **Leaf Color**
- **Variance**

### Plant Population

- **Soil Moisture 0-12**
- **12-24**
- **24+ %AWC**

### Vigor

- **Good** [ ]
- **OK** [ ]
- **Poor** [ ]

### Stress

- **Heat** [ ]
- **Moisture** [ ]
- **Nitrogen** [ ]

### Stress-Chlorophyll

- **None** [ ]
- **Low** [ ]
- **High** [ ]

### Weed Control

- **Good** [ ]
- **OK** [ ]
- **Poor** [ ]
- **Spotty** [ ]
- **Dense Spots** [ ]

### Comments:

- **Soil Compaction general**
- **Beau have a hard time with emergence — looks like the stand may be poor — compaction due to heavy rains**
- **Compaction deep in soil, not just on surface**
- **Uneven emergence — due to rains**

### Action

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

### Weeds

- **Annual Grasses AG**
- **Foxtail F**
- **Panicum -Fall FP**
- **Quack grass QG**
- **Wiredtem Muhly WM**
- **Marestail MT**
- **Crabgrass CG**
- **Johnsongrass JG**
- **Biennials WB**
- **Cover Crop CC**
- **Velvetleaf VL**
- **Cocklebur CBUR**
- **Milkweed CM**

### Nutrient Deficiency

- **Spots** [ ]
- **General** [ ]

### Soil Compaction

- **Spots** [ ]
- **General** [ ]
- **Hard** [ ]
- **Crusted** [ ]

### Herbicide damage

- **Emergence stress**

### Physiological Disorder in Corn

- **Yellowish whorl**
- **Buggywip**
- **Stalk bending**
- **Twisted whorl**

### Emergence

- **VC / V1**

### Density

- **Variance**

### Growth

- **Variance**

### Plant spacing

- **Variance**

### Soil Temperature

- **2°**

### Root Damage

- **Insects** [ ]
- **Plants** [ ]
- **Purplish** [ ]
- **Diseases** [ ]
- **Yellowish** [ ]
- **Nematodes** [ ]
- **Stunting** [ ]
**BioEnt – Early Season Survey**

**Field Name/Number:** 1yr3  
**Grower:** MNU  
**Date:** 6-7-2018  
**General Appearance:**  
**Plant Population:**  
**Vigor:**  
**Stress:**  
**Stress-Chlorophyll:**  
**Weed Control:**  
**Comments:**

- **Pre-plant** field clean/worked.
- **Till-pre-plant**

**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

**Germination**  
- No
- 1/4” Root
- Spike PE

**Emergence**  
- Breaking
- VC / V1

**Nutrient Deficiency**  
- Spots
- General

**Soil Compaction:**  
- Spots
- General
- Hard
- Crusted

**Soil Surface:**

- Spots
- General
- Hard
- Crusted

**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
- Diseases
- Yellowish
- Nematodes
- Stunting

**Plants**  
- Green Beans
- Wheat
- Soybeans
- Corn

**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

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

- **Field Name/Number**: 16 E3  
- **Grower**: MG  
- **Growth Stage**: Alfalfa 
- **Date**: 6/7/2018

**General Appearance**

**Size**: 
**Variance**: 
**Leaf Color**: 
**Variance**:

**Plant Population**: 
**Soil Moisture 0-12**: 12-24  
**24+**: %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

**Comments:**

- *NEEDS to be sprayed.*
- *Alfalfa gone, but dense grass population.*

**ACTION:**

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

**Insects**

- Cutworms CW
- Armyworms AW
- Stalkborders SB
- Wireworms WW
- Spider Mites SM

**Plants**

- White Grubs WG
- Flea Beetles FB
- Aphids A
- Slugs S
- Leafhoppers LH

**Diseases**

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

**Nutrients**

- 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**

- 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"
## BioEnt – Early Season Survey

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

### Field Information
- **Date:** 6/7/2013
- **Field Name/Number:** [Redacted]
- **Growth Stage:** V

### General Appearance
- **Size:** OK
- **Variance:**
- **Leaf Color:** OK
- **Variance:**
- **Soil Moisture:** 0-12/70/75
- **12-24/80**
- **24+**

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

### 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:
- Mostly emerged, a few still emerging. Field clean, clay development good.

### Weeds

#### Annual Grasses
- AG
- Foxtail F

#### Broadleaves
- Panicle -Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Marestail MT
- Crabgrass CG
- Johnsongrass JG
- Shartecane SCA
- Nutsedge NS
- Winter Annuals WA
- Calendula CW
- Biennials WB
- Cover Crop CC
- Velvetleaf VL
- Cocklebur CBUR
- Milkweed CM

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

#### Perennials
- 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

### Other

#### Nematodes
- None

#### Diseases
- 1/4" Root
- Spike PE

#### Nutrient Deficiency
- None
- Spots
- General

#### Emergence
- Breaking
- VC / V1

#### 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
- OK
- Variance

#### Plant spacing
- Variance

#### Emergence
- Variance

#### Soil Temperature
- 2°

#### Root Damage
- Insects
- Plants
- Purplish
- Diseases
- Yellowish
- Nematodes
- Stunting
O Cutworms CW
❑ White Grubs WG
❑ Armyworms AW
❑ Stalkborers SB
❑ Wireworms WW
❑ Spider Mites SM
❑ Seed Corn Maggots
❑ White Grubs
❑ Armyworms
❑ Wireworms
❑ Spider Mites
❑ Foliar Disease-Rust
❑ Foliar Disease-Fungi
❑ Corn Borer-%
❑ Stunted plants

Comments:
mostly emerged, a few still emerged. Field clean.