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

- **Seed Corn**: □  
- **Soybeans**: □  
- **Wheat**: □  
- **Grower**:  
- **Date**:  
- **Field Name/Number**: 6/17/4  
- **General Appearance**: Good  
- **Size**: Normal  
- **Leaf Color**: OK  
- **Growth Stage**:  
- **Plant Population**:  
- **Soil Moisture**: 0-12  
- **%AWC**:  

### ACTION:

- None Required  
- Watch  
- Yes, see comments

#### Comments:

- 24-30” Range V6/V8+  
- Uniformity of growth & color looks good.

### 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

### Stress-Chlorophyll:

- □ None  
- □ Low  
- □ High  
- □ General  
- □ Spotty

### Action:

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

### Comments:

- 24-30” Range V6/V8+  
- Uniformity of growth & color looks good.

### Field Name/Number:

- □ Seed Corn  
- □ Soybeans  
- □ Wheat  
- □ Grower  
- □ Date  
- □ Field Name/Number: 6/17/4  
- □ General Appearance: Good  
- □ Size: Normal  
- □ Leaf Color: OK  
- □ Growth Stage:  
- □ Plant Population:  
- □ Soil Moisture: 0-12  
- □ %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

### Action:

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

### Comments:

- 24-30” Range V6/V8+  
- Uniformity of growth & color looks good.
BioEnt – Early Season Survey

Field Name/Number -------- Grower -------- Date 6-29-2017

General Appearance -------- Size -------- Variance -------- Leaf Color -------- Variance

Plant Population -------- Soil Moisture 0-12 -------- %AWC

Vigor: Good [x] OK [ ] Poor [ ] General [ ] Spotty [ ]
Stress: Heat [ ] Moisture [ ] Nitrogen [ ] General [ ] Spotty [ ]
Stress-Chlorophyll: None [ ] Low [ ] High [ ] General [ ] Spotty [ ]
Weed Control: Good [x] OK [ ] Poor [ ] Spotty [ ] Dense Spots [ ]
Grasses [ ] Broadleaves [ ] Perennials [ ]

ACTION:
[x] None Required
[ ] Watch
[ ] Yes, see comments

Comments:

V6 - V4 5" to 8" in size - small plants emerged late due to dry planting conditions and uneven emergence due to soil conditions. Grasses scattered with dense spots - V6 to 1-2'

Germination [ ] No [x] 1/4" Root [ ] Spike PE [ ]
Emergence [ ] Breaking [ ] VC / V1 [ ]
Nutrient Deficiency [ ] Spots [x] General [ ]
Soil Compaction: [ ] Spots [ ] General [ ]
Stunting [ ]
Standing Water [ ] Small Spots [ ] Large Spots [ ]
Herbicide damage [ ]
Physiological Disorder in Corn [x] Yellowish whorl [ ]
Doubles [ ]
Density [ ] Variance [ ]
Growth [ ] Variance [ ]
Plant spacing [ ] Variance [ ]
Emergence [ ] Variance [ ]
Soil Temperature [x] 2" [ ]

Root Damage [ ]
[x] Insects [ ]
Plants [x] Purplish [ ]
[ ] Diseases [ ]
[ ] Yellowish [ ]
[ ] Nematodes [ ]
[ ] Stunting [ ]

Cutworms [ ] Armyworms [ ]
Stalkborers [ ] Aphids [ ]
Wireworms [ ] Slugs [ ]
Spider mites [ ] Leafhoppers [ ]
Seed Corn Maggots [ ]
Foliar Disease-Rust [ ]
Foliar Disease-Fungi [ ]
Corn Borer-% [ ]
Stunted plants [ ]

Comments:

Bird feeding on plants common in plot

Bird damage appears to be birds plucking the seeds out of the ground. Small holes present in location where seed should have been.

Other legs did not seem to have as much bird damage in them.

Would be turkeys eating the seed? Seen lots of turkeys in the farm corn fields.
BioEnt – Early Season Survey  
Gary Manley 269-273-7070 or 269-816-1080

- Seed Corn  
- Corn  
- Soybeans  
- Wheat  

Grower: MSU  
Date: 6/19/2017  

Field Name/Number:  


Plant Population: Below

Soil Moisture: 0-12  
6/16  
12+  

%AWC

ACTION:

- None Required
- Watch
- Yes, see comments

Comments:  
15" Rows x 34,540 multipled

15 12 14 16 18 15 15 21  
11 12 15 17 19 18 20 14  
15.275 3.075  
107.157/acre

- 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
  - Hard
  - Crusted

- Standing Water
- Small Spots
- Large Spots

- Herbicide damage
- Emergence stress

- Physiological Disorder in Corn
  - Yellowish whorl

- Buggywip
- Stalk bending
- Twisted whorl

- Doubles
- Variance

- Density
- Variance

- Growth
- Variance

- Plant spacing
- Variance

- Emergence
- Variance

- Soil Temperature
  - 2"
BioEnt – Early Season Survey

Seed Corn ☑ Corn ☐ Soybeans ☐ Wheat ☐ Grower: MSU
Field Name/Number: 6/14-6/24
General Appearance: Good
Size: Medium
Variance: OK
Leaf Color: OK
Growth Stage: 12+
Soil Moisture: 0-12 %AWC
ACTION:
None Required
Watch
Yes, see comments

Comments:

UC/VI 6+ 10"+ Range
 Few smaller plants remaining
 Plants due to dry condition at planting.

Annual Grasses AG
Foxtail F
Panicum - Fall FP
Quack grass QG
Wiresm 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

Germination: No
Emergence: Spotty
Nutrient Deficiency: Spotty
Weed Control: Spotty

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