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

Seed Corn [X]  Corn [ ] Soybeans [ ] Wheat [ ] Grower: MSU  Date: 2/12/2015

Field Name/Number: GIR4

General Appearance: OK  Size: Normal  Variance: None
Leaf Color: OK  Variance: Some

Plant Population: OK  Soil Moisture: 0-12%  12%+  80%AWC

Stress-Chlorophyll: [X] None  Low  High  [ ] General  Spotty
Weed Control: [X] Good  OK  Poor  Spotty  Dense Spots
Grasses  Broadleaves  Perennials

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

Comments:

4-5'  UL2/13 Range
Good weed control

Some color & size variance on hill side & scattered on our plot.

Germination [X]  No  1/4" Root  Spike PE
Emergence [X]  Breaking  VC/V1
Nutrient Deficiency [X]  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 [X]  %
Density [X]  Variance
Growth [X]  Variance
Plant spacing [X]  Variance
Emergence [ ]  Variance
Soil Temperature 2"

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

Cutworms [ ]  Armyworms  [ ]  Stalkborers  [ ]  Wireworms [ ]  Spider mites [ ]
White Grubs [ ]  Flea Beetles  [ ]  Aphids  [ ]  Slugs  [ ]  Leafhoppers [ ]
Seed Corn Maggots [ ]  Foliar Disease-Rust  [ ]  Foliar Disease-Fungi  [ ]
Foliar Disease-Fungi [ ]  Corn Borer-% [ ]
Stunted plants [ ]
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

☐ Seed Corn ☐ Corn ☐ Soybeans ☐ Wheat ☐ Grower MSU Date 7/2/2015

Field Name/Number: CAR

General Appearance

Growth Stage

Size

Variances

Leaf Color

Variances

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

Comments:

07 10-30” Range

Sprayed 7.1-16-Roundup

N2 6-29-15 applied 88%

Some spots y Color Variance and growth pattern

ACTION:

☐ None Required

☐ Watch

☐ Yes, see comments

Comments:

Low level Stink Bug Damage

Low 10% Scattered throughout

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☐ 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 ☐ Insects ☐ Diseases

☐ Nematodes ☐ Purplish ☐ Yellowish

☐ Stunting

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 ☐

Growth ☐

Plant spacing ☐

Emergence ☐

Soil Temperature 2”

Comments:

Annual Grasses AG

Foxtail F

Panicum -Fall FP

Quack grass QQ

Wirestem Muhly WM

Field Sandbur FS

Crabgrass CG

Johnsongrass JG

Shaterecane SCA

Nutsedge NS

Winter Annuals WA

Chickweed CW

Biannnuals 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

Lambquader LQU

Ragweed CRAG

Ragweed -Giant GRAG

Dock -Curly CD

Nightshade -Black BNS

Jimsonweed JW

Canada Thistle CTH

Yellow Rocket YR

Perennials P

Pokeweed PW
**BioEnt – Early Season Survey**

**Comments:**

V3/4  5 - 6" 
Grasses/Woods General 
RRP AG  
LQU 
UL VE 40 3/4" Range

| 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

**Weeds:**
- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass QG
- Wirestern Muhly WM
- Field Sandbur FS
- 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
- Lambquarters LQU
- Ragweed CRAG
- Ragweed -Giant GRAG
- Dock -Curly CD
- Nightshade -Black BNS
- Jimsonweed JW
- Canada Thistle CTH
- Yellow Rocket YR
- Perennials P
- Poxeweed PW

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<th>No</th>
<th>1/4&quot; Root</th>
<th>Spike PE</th>
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<td>VC / V1</td>
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<td>Nutrient Deficiency</td>
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<td>Soil Surface:</td>
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**Insects:**
- 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

**Diseases:**
- Root Damage
- Insects
- Plants
- Purplish
- Nematodes
- Stunting

**Other:**
- Root Damage
- Insects
- Plants
- Purplish
- Nematodes
- Stunting

**Notes:**

- 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
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- Doubles
- %
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- Variance
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- Plant spacing
- Variance
- Emergence
- Variance
- Soil Temperature
- 2"
BioEnt – Early Season Survey

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


Field Name/Number: [RY]
General Appearance: Size [OK] Variance [OK]

Vigor: [X] Good [OK] Poor [X] General [Spotty]
Stress-Chlorophyll: [X] None [Low] [High] [X] General [Spotty]

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

Comments:

16-20
Spurged 7-1-15
N2 (28-6) 6-29-15

Uniformity of growth and color ok.

N
Low level of stink bug damped plants
L1 5/7

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[X] Cutworms [X] White Grubs [X] Seed Corn Maggots
[X] Armyworms [X] Flea Beetles [X] Foliar Disease-Rust
[X] Stalkborers [X] Aphids [X] Foliar Disease-Fungi
[X] Spider mites [X] Leafhoppers [X] Stunted plants

Root Damage: [X] Insects [X] Plants
[X] Diseases [X] Purplish
[X] Yellowish
[X] Nematodes [X] Stunting

Cutworms
Armyworms
Stalkborers
Wireworms
Spider mites

White Grubs
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Soil Temperature: [2"]