BioEnt – Early Season Survey

Grower: UNK, Date: 6-27-2013

Field Name/Number: SRC

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

Plant Population: OK Soil Moisture: 0-12 85 12+ 65 %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:

3-4 ft. U1O Range
Growth, color, development normal
Insect/disease free Currently.

Annual Grasses AG
Foxtail F
Panicum-Fall FP
Quack grass QG
Wirestem Muhly WM
Field Sandbur FS
Crapgrass CG
Johnsongrass JG
Shatercane SCA
Nutsedge NS
Winter Annuals WA
Chickweed CW
Bivnuals WB
Cover Crop CC
Velvetleaf VL
Cocklebur CBUR
Milkwed CM

Pigweed RRP
Horsenettle HN
Bindweed-Field FBW
Bindweed-Hedge HBW
Smartweed-Penn. PSM
Smart-Swamp SSM
Dogbane-Hemp HDB
Lambsquarter 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
Emergence
Nutrient Deficiency
Soil Compaction:

Spots General
Standing Water
Small Spots Large Spots
Herbicide damage
Physiological Disorder in Corn

Bopywip Stalk bending Twisted whorl
Doubles %
Density
Growth OK Variance
Plant spacing
Emergence
Soil Temperature 2°

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

Root Damage
Insects
Diseases
Nematodes

Armyworms
Flea Beetles
Aphids
Slugs
Leafhoppers

Plants
Purplish
Yellowish
Stunting
BioEnt – Early Season Survey

Seed Corn ☒ Corn ☐ Soybeans ☐ Wheat ☐ Grower MSU Date 6/27/2013
Field Name/Number G2R3 Growth Stage
General Appearance OK Size OK Variance OK Leaf Color OK Variance OK
Plant Population OK Soil Moisture 0-12 85 12+ 85 %AWC

Vigor: ☒ Good ☐ OK ☐ Poor Stress: ☐ 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:
10-12" Range V6/V6+
AG emergence good
Insect/Disease free

Annual Grasses AG
Foothill F
Foxtail F
Panicum-Fall FP
Quack grass QQ
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 LOU
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 ☒ OK Variance ☐
Plant spacing ☐ Variance
Emergence ☐ Variance
Soil Temperature 2°
Cutworms ☐ White Grubs ☐ Seed Corn Maggots
Armyworms ☐ Flea Beetles ☐ Foliar Disease-Rust
Stalkborers ☐ Aphids ☐ Foliar Disease-Fungi
Wireworms ☐ Slugs ☐ Corn Borer-%
Spider mites ☐ Leathoppers ☐ Stunted plants
Root Damage ☐ Insects ☐ Plants
Diseases ☐ Yellowish ☐ Nematodes ☐ Purplish
Stunting ☐
**BioEnt – Early Season Survey**  
Gary Manley 269-273-7070 or 269-816-1080

<table>
<thead>
<tr>
<th>Field Name/Number</th>
<th>Grower M54</th>
<th>Date 6.27.2013</th>
<th>Growth Stage U3/4</th>
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<tbody>
<tr>
<td>General Appearance</td>
<td>OK</td>
<td>Size OK</td>
<td>Variance OK</td>
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<tr>
<td>Leaf Color</td>
<td>OK</td>
<td>Variance OK</td>
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<tr>
<td>Plant Population</td>
<td>OK</td>
<td>Soil Moisture 0-12 85</td>
<td>12+ 85 %AWC</td>
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<tr>
<td>Vigor</td>
<td>Good</td>
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<tr>
<td>Stress</td>
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<td>Moisture</td>
<td>Nitrogen</td>
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<tr>
<td>Stress-Chlorophyll</td>
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<td>Low</td>
<td>High</td>
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<tr>
<td>Weed Control</td>
<td>Good</td>
<td>Poor</td>
<td>Spotty</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spotty</td>
<td>Perennials</td>
</tr>
</tbody>
</table>

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

**Comments:**

3rd trifoliate emergence  
Good weed control  
Low body grasshopper feeding  
growth/development normal

**Plants:**

- 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
- Horseent HN
- Bindweed - Field FBW
- Bindweed - Hedge HBW
- Smartweed - Penn. PSM
- Smart - Swamp SSM
- Dogbane - Hemp HDB
- Lambsquarter LOU
- Ragweed CRAG
- Ragweed - Giant GRAG
- Dock - Curly CD
- Nightshade - Black BNS
- Jimsonweed JW
- Canada Thistle CTH
- Yellow Rocket YR
- Perennials P
- Pokeweed PW

**Ag Maladies:**

- Cutworms
- Armyworms
- Stalk Borers
- Wireworms
- Spider Mites
- White Grubs
- Flea Beetles
- Seed Corn Maggots
- Foliar Disease - Rust
- Foliar Disease - Fungus
- Corn Borer -%  
- Stunted plants

**Sampling:**

- No 1/4” Root
- Spike PE
- 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
- Growth
- Plant spacing
- Emergence
- Soil Temperature 2°
BioEnt – Early Season Survey  

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

Seed Corn ☑ Corn ☑ Soybeans ☐ Wheat ☐ Grower MNU Date 6/27/2013

Field Name/Number  G4R3

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

Plant Population  OK  Soil Moisture 0-12  85%  12+  65%  %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:

10-12”  V6/V6+
Intest/Disease free
AG - Emergence/General

Annual Grasses AG
☐ Foxtail F
☐ Panicum -Fall FP
☐ Quack grass CG
☐ Wirestem Muhly WM
☐ Field Sandbur FS
☐ Crabgrass CG
☐ Johnsonsgrass JG
☐ Shatercane SCA
☐ Nutsedge NS
☑ Winter Annuals WA
☐ Chickweed CW
☐ Blanuamls 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 LOU
☐ Ragweed CRAG
☑ Ragweed -Giant GRAG
☐ Dock -Curly CD
☐ Nightshade -Black BNS
☐ Jimsonweed JW
☐ Canada Thistle CTH
☐ Yellow Rocket YR
☐ Perennials P
☐ Pokesweed 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”

Cutworms ☐ White Grubs ☐ Seed Corn Maggots
☒ Armyworms  ☐ Flea Beetles  ☐ Foliar Disease-Rust
☐ Stalkborers  ☐ Aphids  ☐ Foliar Disease-Fungi
☐ Wireworms  ☐ Slugs  ☐ Corn Borer-%
☐ Spider mites  ☐ Leathoppers  ☐ Stunted plants
Root Damage ☐ Insects  ☐ Plants
☐ Nematodes  ☐ Purplish
☐ Diseases  ☐ Yellowish
☐ Stunting