**BioEnt – Early Season Survey**

- **Seed Corn**: Yes
- **Corn**: Yes
- **Soybeans**: No
- **Wheat**: No
- **Grower**: Muy
- **Date**: 5/22/2014
- **Field Name/Number**: GIR
- **General Appearance**: OK
- **Size**: VE/VI
- **Varience**: OK
- **Leaf Color**: OK
- **Varience**: OK
- **Plant Population**: OK
- **Soil Moisture**: 0-12 %AWC
- **Vigor**: Good
- **Heat**: General
- **Moisture**: Spotty
- **Nitrogen**: General
- **General**: Spotty
- **Stress-Chlorophyll**: None
- **None**: Low
- **High**: General
- **General**: Spotty
- **Weed Control**: Good
- **Grasses**: OK
- **Broadleaves**: Poor
- **Perennials**: Spotty

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

**Comments:**
May 10th planted VE/VI over soil emerged. Conditions for emergence very good. Emergence looks normal. Good weed control.

- Annual Grasses AG
- Foxtail F
- Panicum-Fall FP
- Quack grass GQ
- Wirestem Muhly WM
- Field Sandbur FS
- Crabgrass CG
- Johnsongrass JG
- Shattercane SCA
- Nutseed NS
- Winter Annuals WA
- Chickweed CW
- Biannuals WB
- Cover Crop CC
- Velvetleaf VL
- Cocklebur CBUR
- Milkwed CM
- Pigweed RRP
- Horsetail HN
- Bindweed-Field FBW
- Bindweed-Hedge HWB
- 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
- Pokeweed PW

- Germination: Yes
- 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
- Buggyrwip: Stalk bending: Twisted whorl
- Doubles: %
- Density: Variance
- Growth: Variance
- Plant spacing: Variance
- Emergence: Variance
- Soil Temperature: 2°

- Cutworms
- Armyworms
- Stalk borers
- 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
- Plants: Purplish
- Diseases: Yellowish
- Nematodes: Stunting
BioEnt – Early Season Survey

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

☐ Seed Corn ☑ Corn ☐ Soybeans ☐ Wheat ☖ Grower JNSY Date 5/22/2014

Field Name/Number ☒ G212

General Appearance ☑ OK Size 12" Variance ☑ Leaf Color Light Green Variance

Plant Population ☑ OK Soil Moisture 0-12 ☑ 12+ 90 %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:
Rye Cover Crop still growing.
Peas [5"] Range
Rye [15"] Range
early boot stage.

☐ Annual Grasses AG ☐ Pigweed RRP
☐ Foxtail F ☐ Horsenettle HN
☐ Panicum -Fall FP ☐ Bindweed -Field FBW
☐ Quack grass QQ ☐ Bindweed -Hedge HBW
☐ Wirestem Muhly WM ☐ Smartweed -Penn. PSM
☐ Field Sandbur FS ☐ Smart -Swamp SSM
☐ Crabgrass CG ☐ Dogbane -Hemp HDB
☐ Johnsongrass JG ☐ Lamb'squarter LQU
☐ Shatercane SCA ☐ Ragweed CRAG
☐ Nutseed NS ☐ Ragweed -Giant GRAG
☐ Winter Annuals WA ☐ Dock -Curly CD
☐ Chickweed CW ☐ Nightshade -Black BNS
☐ Biennials WB ☐ Jimsonweed JW
☐ Cover Crop CC ☐ Canada Thistle CTH
☐ Velvetleaf VL ☐ Yellow Rocket YR
☐ Cocklebur CBUR ☑ Perennials P
☐ Milkweed CM ☑ 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°

☐ Cutworms ☑ White Grubs ☐ Seed Corn Maggots
☐ Armyworms ☑ Flea Beetles ☑ Foliar Disease-Rust
☐ Stalk borers ☑ Aphids ☑ Foliar Disease-Fungi
☐ Wireworms ☐ Slugs ☑ Corn Borer-%
☐ Spider mites ☑ Leafhoppers ☑ Stunted plants

☐ Root Damage ☑ Insects ☑ Plants
☐ Diseases ☑ Purplish ☑ Plants
☐ Yellowish ☑ Nematodes ☑ Stunting

|☐ Cutworms | ☑ White Grubs | ☑ Seed Corn Maggots | ☑ Root Damage |
|☐ Armyworms | ☐ Flea Beetles | ☑ Foliar Disease-Rust | ☑ Insects |
|☐ Stalk borers | ☑ Aphids | ☑ Foliar Disease-Fungi | ☑ Diseases |
|☐ Wireworms | ☐ Slugs | ☑ Corn Borer-% | ☑ Yellowish |
|☐ Spider mites | ☑ Leafhoppers | ☑ Stunted plants | ☑ Nematodes |

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

- **Field Name/Number:** C3 R1
- **General Appearance:** OK
- **Size:** 14-16
- **Variance:** OK
- **Leaf Color:** Normal

### Plant Population
- **Soil Moisture:** 0-12
- **12+**

### 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:
- Rye Cown Crop still
- 4 peas growing
- Rye 14” Range - Boot stage
- Peas 6” Range.

### Grid

```
| E | N |
---|---|
| W |   |
|   | S |
```

### Comments
- [ ] Annual Grasses AG
- [ ] Foxtail F
- [ ] Panicum - Fall FP
- [ ] Quack grass GQ
- [ ] 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
- [ ] Horsetail 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
- [ ] Germination
- [ ] No
- [ ] 1/4” Root PE
- [ ] 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
- [ ] Buggypip
- [ ] Stalk bending
- [ ] Twisted whorl
- [ ] Doubles
- [ ] Density
- [ ] Variance
- [ ] Growth
- [ ] Variance
- [ ] Plant spacing
- [ ] Variance
- [ ] Emergence
- [ ] Variance
- [ ] Soil Temperature
- [ ] 2”

### Pests
- [ ] 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
- [ ] Purplish
- [ ] Diseases
- [ ] Yellowish
- [ ] Nematodes
- [ ] Stunting
BioEnt – Early Season Survey  
Gary Manley 269-273-7070 or 269-816-1080

Seed Corn □ Corn □ Soybeans □ Wheat □  Grower MSL  Date 5/22/2014
Field Name/Number 6421
General Appearance OK  Size 12"  Variance OK  Leaf Color Light  Variance OK
Plant Population  Soil Moisture 0-12
Growth Stage

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:
Rye 15' Range
Peas 5' Range
Cover Crop Still growing
Rye – Early Boot Stage

Grasses / Chickweed Growth

□ Annual Grasses AG
□ Foxtail F
□ Panicum - Fall FP
□ Quack grass OG
□ Wiresetum Muhly WM
□ Field Sandbur FS
□ Crabgrass CG
□ Johnsonsgrass JG
□ Shattercane SCA
□ Nutsedge NS
□ Winter Annuals WA
□ Chickweed CW
□ Biennials 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 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"  

□ Cutworms □ White Grubs □ Seed Corn Maggots
□ Armyworms □ Flea Beetles □ Foliar Disease-Rust
□ Stalkborers □ Aphids □ Foliar Disease-Fungi
□ Wireworms □ Slugs □ Corn Borer-%
□ Spider mites □ Leafhoppers □ Stunted plants

□ Root Damage □ Insects □ Plants
□ No □ Purplish
□ Diseases □ Yellowish
□ Nematodes □ Stunting