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

- **Field Name/Number**: GIRS  
- **Grower**: VMG  
- **Growth Stage**: VT  
- **Date**: 7/5/2018

### General Appearance
- **Size**: 6’
- **Variance**: OK
- **Leaf Color**: Good

### Plant Population
- **Vigor**: Good
- **Stress**: Heat
- **Chlorophyll**: None
- **Weed Control**: Good

### Soil Moisture
- 0-12: 60  
- 12-24: 0  
- 24+: 30% AWC

### Comments:
- Color growth good  
- UT no pollination yet

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### Vigor: Good, OK, Poor
- **Variance**: OK
- **Spotty**: General

### Stress: Heat, Moisture, Nitrogen
- **Variance**: OK
- **Spotty**: General

### Stress-Chlorophyll: None, Low, High
- **Variance**: OK
- **Spotty**: General

### Weed Control: Grasses, Broadleaves, Perennials

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### Soil Temperature
- **2”**

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

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### Action Items
- Annual Grasses AG
- Foxtail F
- Panicum - Fall FP
- Quack grass QQ
- Wirestem Muhly WM
- Marestail MT
- Crabgrass CG
- Johnsongrass JG
- Shattercane SCA
- Nutseed NS
- Winter Annuals WA
- Chickweed CW
- Biennials WB
- Cover Crop CC
- Velvetleaf VL
- Cocklebur CBUR
- Milkwort CM

### weed:
- Annual Grasses AG
- Grasses
- Broadleaves
- Perennials

### Disease:
- 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

### Disease:
- 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

### 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

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

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### Disease:
- Root Damage
- Insects
- Plants
- Purplish
- Diseases
- Yellowish
- Nematodes
- Stunting
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Field Name/Number: G25  Grower: MSY  Date: 7/5/2018

General Appearance: Good  Size: 10-12”  Leaf Color: Good  Variance: Good

Vigor: Good  OK  Poor  Spotty  General
Stress: Heat  Moisture  Nitrogen  General  Spotty
Stress-Chlorophyll: None  Low  High  General  Spotty

Comments:
15” Rows
8 10 10 5 11 11 19
4 10 2 9 7 = 9.08
10-12” Tall
63 283

N
Few CRAG / marestail
Lay AG, (low density)

W

E

S

9.08/5(4ht)X 34848 =

= plants/foot 63.283

ACTION:
None Required  Watch

Yes, see comments

Weed Control: Good  OK  Poor  Spotty  Dense Spots
Grasses  Broadleaves  Perennials

Annual Grasses AG  Pigweed RRP
Foxtail F  Horsetail HN
Panicum -Fall FP  Bindweed -Field FBW
Quack grass QG  Bindweed -Hedge HBW
Wirestem Muhly WM  Smartweed -Penn. PSM
Marestail MT  Smart -Swamp SSM
Crabgrass CG  Dogbane -Hemp HDB
Johnsongrass JG  Lambquarter LQU
Shaterecane SCA  Ragweed CRAG
Nutsedge 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:
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  Variety
Growth  Variety

Plant spacing  Variety

Emergence  Variety

Soil Temperature  2”

Cutworms CW  Root Damage
Armyworms AW  Insects
Stalkborers SB  Purplish
Wireworms WW  Diseases
Spider Mites SM  Yellowish

Roots & Plants
Foliar Disease-Rust  Nematodes
Foliar Disease - Fungi  Stunting
Corn Borer%  Stunted plants
Leafhoppers LH  White Grubs WG
White Grubs WG  Foil Disease - Rust