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

- **Date:** 6/21/2013
- **Field Name/Number:** JLR
- **Grower:** MSY
- **Growth Stage:** 02/12

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

#### Vigor
- Good
- OK
- Poor
- General
- Spotty

#### Stress
- Heat
- Moisture
- Nitrogen
- General
- Spotty

#### Stress-Chlorophyll
- None
- Low
- High
- General
- Spotty

#### Plant Population
- Below
- 12
- 24
- 30
- 48
- 60
- 72
- 90
- 12+
- %AWC

#### Soil Moisture
- 0-12
- 12-24
- 24+

### Comments:
- **12/13 3-4”**
- **Range:** Color growth normal
- 12/14 11 14 14 19
- 13 16 14 18 17 19 13
- 12/14 = 15.14/5 = 3.028 x 7.432

Good weed control

- **Few grasses**

Total: 109,529 / ACRE

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

#### Vigor
- Good
- OK
- Poor
- General
- Spotty

#### Stress
- Heat
- Moisture
- Nitrogen
- General
- Spotty

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#### Plant Population
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- 12+
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#### Soil Moisture
- 0-12
- 12-24
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### Comments:
- **12/13 3-4”**
- **Range:** Color growth normal
- 12/14 11 14 14 19
- 13 16 14 18 17 19 13
- 12/14 = 15.14/5 = 3.028 x 7.432

Good weed control
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Seed Corn ☐ Corn ☐ Soybeans ☐ Wheat ☐ Green Beans ☐
Field Name/Number 424 Grower Mv Growth Stage U2/03
General Appearance  Ok Size  Ok Variance  Ok Leaf Color  Ok Variance  Ok
Plant Population  Ok Soil Moisture 0-12  Good 12-24  Good 24+  %AWC

Vigor: ❑ Good ☐ OK ☐ Poor ☐ General ☐ Spotty 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:
U2/13 4" x 1" Range
19 16 12 11 21 14 16
14 18 14 18 19 15
329/14 = 16.757/5 = 3.37 x 34.846

114,002 acres

Mostly clean few scattered grasses:

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
❑ Buggypip ☐ Stalk bending ☐ Twisted whorl
Doubles ☐ %
Density ☐ Variance
Growth ☐ Variance ☐
Emergence ☐ Variance
Plant spacing ☐ Variance
Soil Temperature 2

Cutworms CW ☐ White Grubs WG ☐
Armyworms AW ☐ Flea Beetles FB ☐
Stalkborers SB ☐ Aphids A ☐
Wireworms WW ☐ Slugs S ☐
Spider Mites SM ☐ Leafhoppers LH ☐
Seed Corn Maggots ☐ Foliar Disease-Rust ☐
Foliar Disease-Fungi ☐ Corn Borer-% ☐
Stunted plants ☐ Root Damage ☐ Insects ☐
Roots ☐ Plants ☐ Purplish ☐
Diseases ☐ Yellowish ☐ Nematodes ☐ Stunting
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Seed Corn □ Corn □ Soybeans □ Wheat □ Green Beans
Field Name/Number T3R4 Grower MSU Growth Stage
General Appearance Size Variance Leaf Color Variance
Plant Population Soil Moisture 0-12 12-24 24+ %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:

+ 7 13 8 4 12 8 10 8
  15 9 11 8 + 11 11 10
  11 11 8 + 6.4.817

Weeds general both grasses & broadleaves.

low density - Ch. Currently

LAU/VL/GRAB/AG

W. maryland/
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Seed Corn  Corn  Soybeans  Wheat  Green Beans

Field Name/Number  F4R4  Grower  M3Y

General Appearance  Size  Variance  Leaf Color  Variance

Plant Population  Soil Moisture 0-12  OK  12-24  OK  24+  %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:
Planted 6-15-18
Ve/everging
Plot Clean/Condition
Plants emerege good.
BioEnt – Early Season Survey

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

☐ Seed Corn ☐ Corn ☐ Soybeans ☐ Wheat ☐ Green Beans ☐ Alfalfa Plot Date 6/21/2018

Field Name/Number: TGR4 Grower: MCV

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

Plant Population: Soil Moisture 0-12: 12-24: 24+: %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:

Plot Clean, Alfalfa Common.

☐ Annual Grasses AG ☐ Foxtail F ☐ Panicum - Fall FP ☐ Quack grass QG
☐ Wirestem Muhy WM ☐ Marestail MT ☐ Crabgrass CG ☐ Johnsongrass JG
☐ Shaler and 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 CRG
☐ 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: ☐
Density: ☐ Variance:
Growth: ☐ Variance:
Plant spacing: ☐ Variance:
Soil Temperature: 2"

Cutworms CW ☐ White Grubs WG ☐ Seed Corn Maggots
Armyworms AW ☐ Flea Beetles FB ☐ Foliar Disease-Rust
Stalk borers SB ☐ Aphids A ☐ Foliar Disease-Fungi
Wireworms WW ☐ Slugs S ☐ Corn Borer-%
Spider Mites SM ☐ Leafhoppers LH ☐ Stunted plants

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

Date 6/12/2015     Growth Stage Beta

 Field Name/Number  WCU
 General Appearance  OK
 Plant Population  OK
 Soil Moisture  0-12   12-24  24+  %AWC

 Vigor: A Good  OK  Poor
 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: 1/2/03 4-6

 Annual Grasses AG  Pigweed RRP
 Foxtail F  Horsenettle HN
 Panicum-Fall FP  Bindweed-Field FBW
 Quack grass QG  Bindweed-Hedge HBW
 Wirestem Muhly WM  Smartweed -Pen. PSM
 Marestail MT  Smart-Swamp SSM
 Crabgrass CG  Dogbane-Hemp HDB
 Johnsongrass JG  Lambsquarter LQU
 Shatercane 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  Variance
 Growth Variance
 Plant spacing  Variance
 Emergence  Variance
 Soil Temperature  2”

 Cutworms CW  White Grubs WG  Seed Corn Maggots  Root Damage
 Armyworms AW  Flea Beetles FB  Foliar Disease-Rust  Insects
 Stalkborers SB  Aphids A  Foliar Disease-Fungi  Plants
 Wireworms WW  Slugs S  Corn Borer-%  Purplish
 Spider Mites SM  Leafhoppers LH  Stunted plants  Diseases

 Yellowish
 Nematodes
 Purplish
 Stunting
BioEnt – Early Season Survey

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

Date: 6/21/2018

Field Name/Number: Nbr
Grower: HSW
Growth Stage: OSE

General Appearance: Bright
Soil Moisture: 0-12% 12-24% 24+

Vigor: Good
Stress: Heat
Stress-Chlorophyll: None
Weed Control: Good

ACTION:
None Required
Watch
Yes, see comments

Comments:

Annual Grasses AG
Foxtail F
Panicum -Fall FP
Quack grass QG
Wiresnem Muhly WM
Marestail MT
Crabgrass CG
Johnsongrass JG
Shartecane SCA
Nutsedge NS
Winter Annuals WA
Chickweed CW
Biennials WB
Cover Crop CC
Velvetleaf VL
Cocklebur CBUR
Milkweed CM

Germination: No
Emergence: Breaking
Nutrient Deficiency: Spots
Soil Compaction: Spots
Standing Water: Small Spots
Herbicide damage: Emergence stress
Soil Moisture: 0-12% 12-24% 24+

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

Root Damage
Insects
Diseases
Nematodes

Plants
Purplish
Yellowish
Stunting