

# BioEnt – Early Season Survey

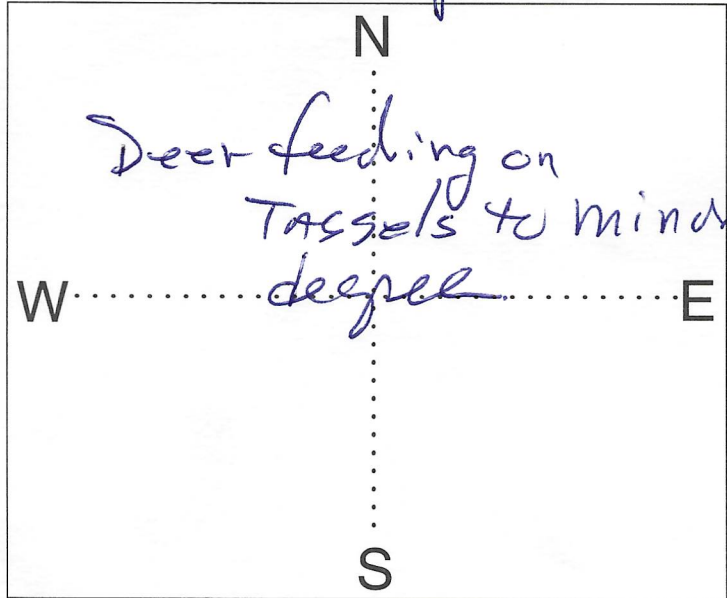
Gary Manley 269-273-7070 or 269-816-1080

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay Date 7/7/2023  
 Field Name/Number G1R3 Grower MSU Growth Stage VT  
 General Appearance OK Size 4' Variance OK Leaf Color OK Variance OK  
 Plant Population \_\_\_\_\_ Soil Moisture 0-12 60 12-24 60 24+ \_\_\_\_\_ %AWC \_\_\_\_\_

Vigor: <input type="checkbox"/> Good <input checked="" type="checkbox"/> OK <input type="checkbox"/> Poor Stress: <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen Stress-Chlorophyll: <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High Weed Control: <input checked="" type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor <input type="checkbox"/> Spotty <input type="checkbox"/> Grasses <input type="checkbox"/> Broadleaves <input type="checkbox"/> Perennials	<input type="checkbox"/> General <input checked="" type="checkbox"/> Spotty <input type="checkbox"/> General <input type="checkbox"/> Spotty <input type="checkbox"/> General <input type="checkbox"/> Spotty <input type="checkbox"/> Spotty <input type="checkbox"/> Dense Spots	<b>ACTION:</b> <input checked="" type="checkbox"/> None Required <input type="checkbox"/> Watch <input type="checkbox"/> Yes, see comments
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Comments:  
early tassel (vt)  
SIZE 3-4' Range  
Corn shorter than normal  
Season long dryness effecting growth & development

- |  |  |
|--|--|
| <input type="checkbox"/> Annual Grasses AG | <input type="checkbox"/> Pigweed RRP           |
| <input type="checkbox"/> Foxtail F         | <input type="checkbox"/> Horsenettle HN        |
| <input type="checkbox"/> Panicum -Fall FP  | <input type="checkbox"/> Bindweed -Field FBW   |
| <input type="checkbox"/> Quack grass QG    | <input type="checkbox"/> Bindweed -Hedge HBW   |
| <input type="checkbox"/> Wirestem Muhly WM | <input type="checkbox"/> Smartweed -Penn. PSM  |
| <input type="checkbox"/> Marestalk MT      | <input type="checkbox"/> Smart -Swamp SSM      |
| <input type="checkbox"/> Crabgrass CG      | <input type="checkbox"/> Dogbane -Hemp HDB     |
| <input type="checkbox"/> Johnsongrass JG   | <input type="checkbox"/> Lambsquarter LQU      |
| <input type="checkbox"/> Shattercane SCA   | <input type="checkbox"/> Ragweed CRAG          |
| <input type="checkbox"/> Nutsedge NS       | <input type="checkbox"/> Ragweed -Giant GRAG   |
| <input type="checkbox"/> Winter Annuals WA | <input type="checkbox"/> Dock -Curly CD        |
| <input type="checkbox"/> Chickweed CW      | <input type="checkbox"/> Nightshade -Black BNS |
| <input type="checkbox"/> Biannuals WB      | <input type="checkbox"/> Jimsonweed JW         |
| <input type="checkbox"/> Cover Crop CC     | <input type="checkbox"/> Canada Thistle CTH    |
| <input type="checkbox"/> Velvetleaf VL     | <input type="checkbox"/> Yellow Rocket YR      |
| <input type="checkbox"/> Cocklebur CBUR    | <input type="checkbox"/> Pokeweed PW           |
| <input type="checkbox"/> Milkweed CM       | <input type="checkbox"/> Wild Corn WC          |



<input type="checkbox"/> Germination	<input type="checkbox"/> No	<input type="checkbox"/> 1/4" Root	<input type="checkbox"/> Spike PE
<input type="checkbox"/> Emergence	<input type="checkbox"/> Breaking	<input type="checkbox"/> VC / V1	
<input type="checkbox"/> Nutrient Deficiency	<input type="checkbox"/> Spots	<input type="checkbox"/> General	
<input type="checkbox"/> Soil Compaction:	<input type="checkbox"/> Soil Surface:		
○ Spots ○ General	○ Hard ○ Crusted		
<input type="checkbox"/> Standing Water	<input type="checkbox"/> Small Spots	<input type="checkbox"/> Large Spots	
<input type="checkbox"/> Herbicide damage	<input type="checkbox"/> Emergence stress		
<input type="checkbox"/> Physiological Disorder in Corn	○ Yellowish whorl		
○ Buggywip ○ Stalk bending ○ Twisted whorl			
<input type="checkbox"/> Doubles _____ % Corn			
<input type="checkbox"/> Density _____ Variance _____			
<input type="checkbox"/> Growth <u>OK</u> Variance <u>high</u>			
<input type="checkbox"/> Plant spacing _____ Variance _____			
<input type="checkbox"/> Emergence _____ Variance _____			
<input type="checkbox"/> Soil Temperature _____ 2"			

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Cutworms CW     | <input type="checkbox"/> White Grubs WG     | <input type="checkbox"/> Seed Corn Maggots    |
| <input type="checkbox"/> Armyworms AW    | <input type="checkbox"/> Flea Beetles FB    | <input type="checkbox"/> Foliar Disease-Rust  |
| <input type="checkbox"/> Stalkborers SB  | <input type="checkbox"/> Aphids A <u>OK</u> | <input type="checkbox"/> Foliar Disease-Fungi |
| <input type="checkbox"/> Wireworms WW    | <input type="checkbox"/> Slugs S            | <input type="checkbox"/> Corn Borer-% _____   |
| <input type="checkbox"/> Spider Mites SM | <input type="checkbox"/> Leafhoppers LH     | <input type="checkbox"/> Stunted plants       |

- |   |                                    |
|---|------------------------------------|
| <input type="checkbox"/> Root Damage        | <input type="checkbox"/> Plants    |
| <input type="checkbox"/> Insects            | <input type="checkbox"/> Purplish  |
| <u>OK</u> <input type="checkbox"/> Diseases | <input type="checkbox"/> Yellowish |
| <input type="checkbox"/> Nematodes          | <input type="checkbox"/> Stunting  |



# BioEnt – Early Season Survey

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay

Date 7/26/2023

Field Name/Number G2R3 Grower MSU Growth Stage V5/6

General Appearance OK Size 48" Variance moderate Leaf Color OK Variance OK

Plant Population      Soil Moisture 0-12 60 12-24 60 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

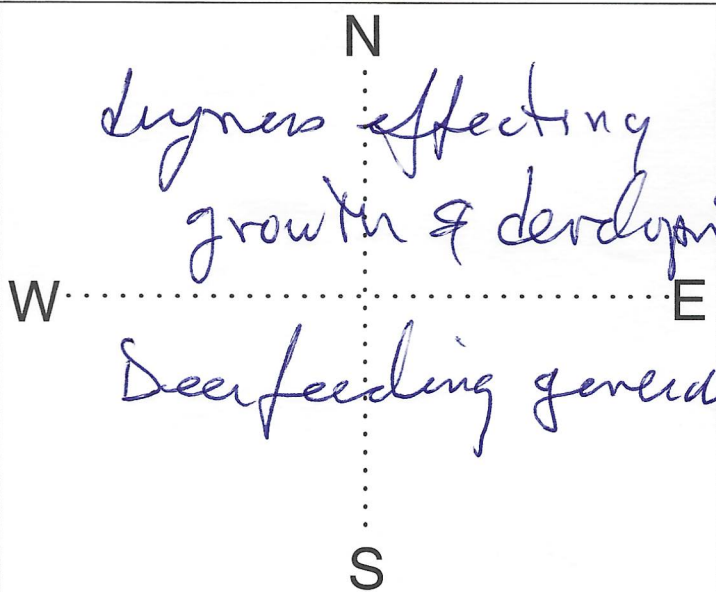
**ACTION:**  
 None Required  
 Watch  
 Yes, see comments

**Comments:**

*Early R1 in most advanced plants*

*Season long dryness resulting in growth and development variance*

- |  |  |
|--|--|
| <input type="checkbox"/> Annual Grasses AG | <input type="checkbox"/> Pigweed RRP           |
| <input type="checkbox"/> Foxtail F         | <input type="checkbox"/> Horsenettle HN        |
| <input type="checkbox"/> Panicum -Fall FP  | <input type="checkbox"/> Bindweed -Field FBW   |
| <input type="checkbox"/> Quack grass QG    | <input type="checkbox"/> Bindweed -Hedge HBW   |
| <input type="checkbox"/> Wirestem Muhly WM | <input type="checkbox"/> Smartweed -Penn. PSM  |
| <input type="checkbox"/> Marestalk MT      | <input type="checkbox"/> Smart -Swamp SSM      |
| <input type="checkbox"/> Crabgrass CG      | <input type="checkbox"/> Dogbane -Hemp HDB     |
| <input type="checkbox"/> Johnsongrass JG   | <input type="checkbox"/> Lambsquarter LQU      |
| <input type="checkbox"/> Shattercane SCA   | <input type="checkbox"/> Ragweed CRAG          |
| <input type="checkbox"/> Nutsedge NS       | <input type="checkbox"/> Ragweed -Giant GRAG   |
| <input type="checkbox"/> Winter Annuals WA | <input type="checkbox"/> Dock -Curly CD        |
| <input type="checkbox"/> Chickweed CW      | <input type="checkbox"/> Nightshade -Black BNS |
| <input type="checkbox"/> Biannuals WB      | <input type="checkbox"/> Jimsonweed JW         |
| <input type="checkbox"/> Cover Crop CC     | <input type="checkbox"/> Canada Thistle CTH    |
| <input type="checkbox"/> Velvetleaf VL     | <input type="checkbox"/> Yellow Rocket YR      |
| <input type="checkbox"/> Cocklebur CBUR    | <input type="checkbox"/> Pokeweed PW           |
| <input type="checkbox"/> Milkweed CM       | <input type="checkbox"/> Wild Corn WC          |



- |   |   |                                      |                                   |
|---|---|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> Germination                            | <input type="checkbox"/> No               | <input type="checkbox"/> 1/4" Root   | <input type="checkbox"/> Spike PE |
| <input type="checkbox"/> Emergence                              | <input type="checkbox"/> Breaking         | <input type="checkbox"/> VC / V1     |                                   |
| <input type="checkbox"/> Nutrient Deficiency                    | <input type="checkbox"/> Spots            | <input type="checkbox"/> General     |                                   |
| <input type="checkbox"/> Soil Compaction:                       | <input type="checkbox"/> Soil Surface:    |                                      |                                   |
| ○ Spots ○ General   | ○ Hard ○ Crusted                          |                                      |                                   |
| <input type="checkbox"/> Standing Water                         | <input type="checkbox"/> Small Spots      | <input type="checkbox"/> Large Spots |                                   |
| <input checked="" type="checkbox"/> Herbicide damage            | <input type="checkbox"/> Emergence stress |                                      |                                   |
| <input type="checkbox"/> Physiological Disorder in Corn         | ○ Yellowish whorl                         |                                      |                                   |
| ○ Buggywip ○ Stalk bending ○ Twisted whorl                      |   |                                      |                                   |
| <input type="checkbox"/> Doubles _____ % Corn                   |   |                                      |                                   |
| <input type="checkbox"/> Density <u>OK</u> Variance <u>high</u> |   |                                      |                                   |
| <input type="checkbox"/> Growth <u>OK</u> Variance <u>high</u>  |   |                                      |                                   |
| <input type="checkbox"/> Plant spacing _____ Variance _____     |   |                                      |                                   |
| <input type="checkbox"/> Emergence _____ Variance _____         |   |                                      |                                   |
| <input type="checkbox"/> Soil Temperature _____ 2"              |   |                                      |                                   |

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Cutworms CW     | <input type="checkbox"/> White Grubs WG  | <input checked="" type="checkbox"/> Seed Corn Maggots |
| <input type="checkbox"/> Armyworms AW    | <input type="checkbox"/> Flea Beetles FB | <input type="checkbox"/> Foliar Disease-Rust          |
| <input type="checkbox"/> Stalkborers SB  | <input type="checkbox"/> Aphids A        | <input type="checkbox"/> Foliar Disease-Fungi         |
| <input type="checkbox"/> Wireworms WW    | <input type="checkbox"/> Slugs S         | <input type="checkbox"/> Corn Borer-% _____           |
| <input type="checkbox"/> Spider Mites SM | <input type="checkbox"/> Leafhoppers LH  | <input type="checkbox"/> Stunted plants               |

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| <input type="checkbox"/> Root Damage | <input type="checkbox"/> Plants    |
| <input type="checkbox"/> Insects     | <input type="checkbox"/> Purplish  |
| <input type="checkbox"/> Diseases    | <input type="checkbox"/> Yellowish |
| <input type="checkbox"/> Nematodes   | <input type="checkbox"/> Stunting  |



# BioEnt - Early Season Survey

*Sorghum*

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay

Date *7/26/2023*

Field Name/Number *C3R3* Grower *MSY* Growth Stage *V10/12*

General Appearance \_\_\_\_\_ Size *12-16"* Variance *ok* Leaf Color *good* Variance *good*

Plant Population \_\_\_\_\_ Soil Moisture 0-12 *60* 12-24 *60* 24+ \_\_\_\_\_ %AWC

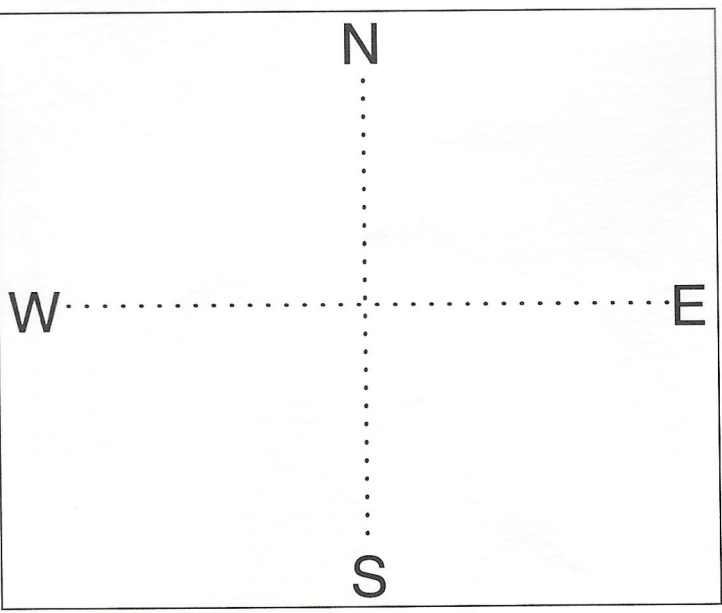
Vigor:  Good  OK  Poor  General  Spotty  
 Stress:  Heat  Moisture  Nitrogen  General  Spotty  
 Stress-Chlorophyll:  None  Low  High  General  Spotty  
 Weed Control:  Good  OK  Poor  Spotty  Dense Spots  
 Grasses  Broadleaves  Perennials

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

Comments:

*dry conditions resulting in reduced growth.*

- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Marestail MT
- Crabgrass CG
- Johnsongrass JG
- Shattercane SCA
- Nutsedge NS
- Winter Annuals WA
- Chickweed CW
- Biannuals 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 CRAG
- Ragweed -Giant GRAG
- Dock -Curly CD
- Nightshade -Black BNS
- Jimsonweed JW
- Canada Thistle CTH
- Yellow Rocket YR
- Pokeweed PW
- Wild Corn WC



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 \_\_\_\_\_ % Corn  
 Density \_\_\_\_\_ Variance \_\_\_\_\_  
 Growth *ok* Variance *ok*  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 Soil Temperature \_\_\_\_\_ 2"

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

Root Damage  Plants  
*ok*  Insects  Purplish  
 Diseases  Yellowish  
 Nematodes  Stunting