

# BioEnt – Early Season Survey

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay *Wheat* Date *8/5* 202*2*  
 Field Name/Number *T1R3* Grower *MSU* Growth Stage \_\_\_\_\_

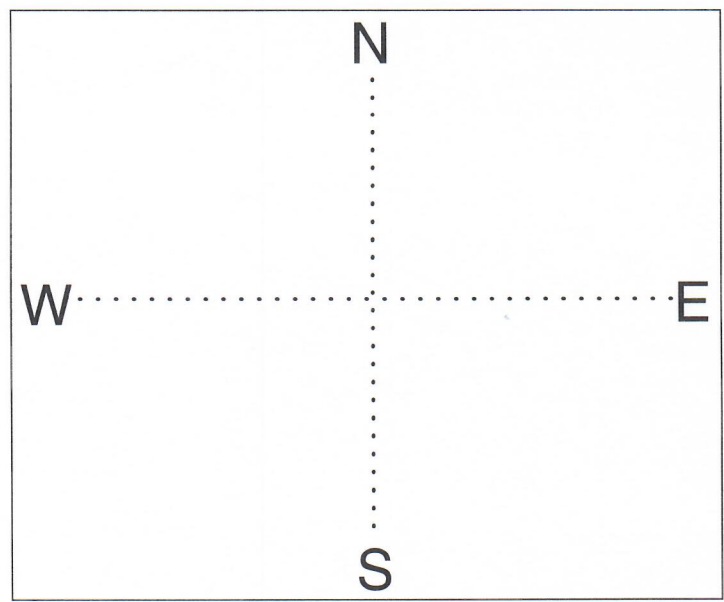
General Appearance \_\_\_\_\_ Size \_\_\_\_\_ Variance \_\_\_\_\_ Leaf Color \_\_\_\_\_ Variance \_\_\_\_\_

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

Vigor: <input type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor	<input type="checkbox"/> General <input type="checkbox"/> Spotty
Stress: <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen	<input type="checkbox"/> General <input type="checkbox"/> Spotty
Stress-Chlorophyll: <input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High	<input type="checkbox"/> General <input type="checkbox"/> Spotty
Weed Control: <input type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor <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
<input type="checkbox"/> Grasses <input type="checkbox"/> Broadleaves <input type="checkbox"/> Perennials	

Comments:  
*Wheat Harvested*  
*Control weeds as needed in wheat stubble*

- |  |  |
|--|--|
| <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"/> Maretail 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:    |  |  |
|   | <input type="checkbox"/> Spots            | <input type="checkbox"/> General       | <input type="checkbox"/> Hard <input type="checkbox"/> 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     | <input type="checkbox"/> Yellowish whorl  |  |  |
|   | <input type="checkbox"/> Buggywip         | <input type="checkbox"/> Stalk bending | <input type="checkbox"/> Twisted whorl                         |
| <input type="checkbox"/> Doubles _____ % Corn               |   |  |  |
| <input type="checkbox"/> Density _____ Variance _____       |   |  |  |
| <input type="checkbox"/> Growth _____ Variance _____        |   |  |  |
| <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"/> Root Damage | <input type="checkbox"/> Plants    |
| <input type="checkbox"/> Armyworms AW    | <input type="checkbox"/> Flea Beetles FB | <input type="checkbox"/> Foliar Disease-Rust  | <input type="checkbox"/> Insects     | <input type="checkbox"/> Purplish  |
| <input type="checkbox"/> Stalkborers SB  | <input type="checkbox"/> Aphids A        | <input type="checkbox"/> Foliar Disease-Fungi | <input type="checkbox"/> Diseases    | <input type="checkbox"/> Yellowish |
| <input type="checkbox"/> Wireworms WW    | <input type="checkbox"/> Slugs S         | <input type="checkbox"/> Corn Borer-%         | <input type="checkbox"/> Nematodes   | <input type="checkbox"/> Stunting  |
| <input type="checkbox"/> Spider Mites SM | <input type="checkbox"/> Leafhoppers LH  | <input type="checkbox"/> Stunted plants       |                                      |                                    |

# BioEnt – Early Season Survey

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay

Date 8 / 5 2022

Field Name/Number T2 R3 Grower Wheat-MSU Growth Stage \_\_\_\_\_

General Appearance \_\_\_\_\_ Size \_\_\_\_\_ Variance \_\_\_\_\_ Leaf Color \_\_\_\_\_ Variance \_\_\_\_\_

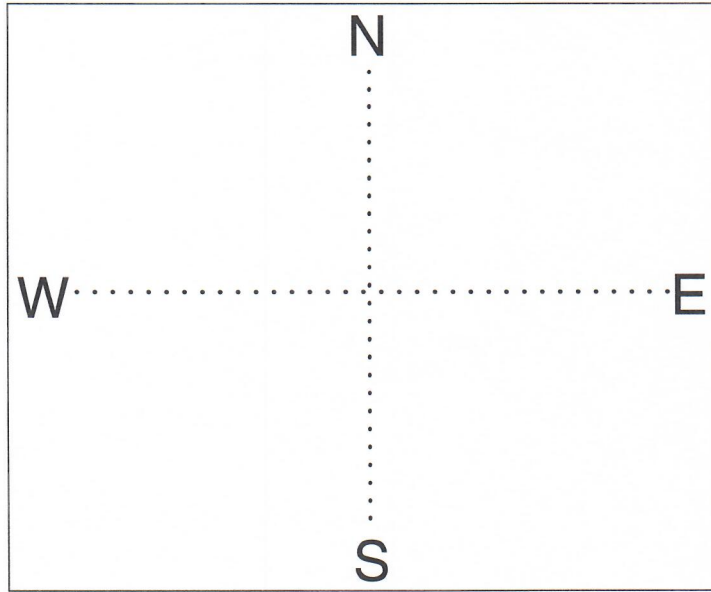
Plant Population \_\_\_\_\_ Soil Moisture 0-12 \_\_\_\_\_ 12-24 \_\_\_\_\_ 24+ \_\_\_\_\_ %AWC \_\_\_\_\_

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:  
*Wheat Harvested  
 Control weeds as  
 needed in  
 wheat stubble*

- |  |  |
|--|--|
| <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"/> Maretail 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          |



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 \_\_\_\_\_ Variance \_\_\_\_\_  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 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	<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

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay *Wheat* Date *8/5/2022*  
 Field Name/Number *TBR3* Grower *MSU* Growth Stage \_\_\_\_\_

General Appearance \_\_\_\_\_ Size \_\_\_\_\_ Variance \_\_\_\_\_ Leaf Color \_\_\_\_\_ Variance \_\_\_\_\_

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

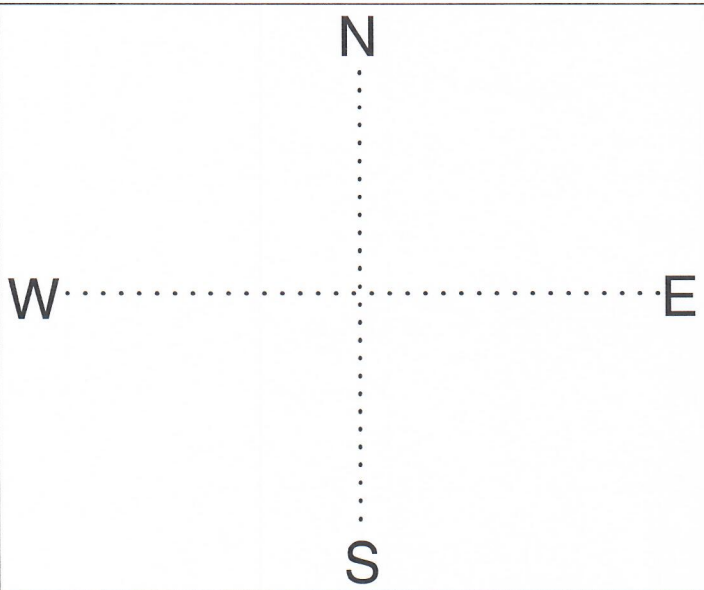
- Vigor:  Good  OK  Poor  General  Spotty  
 Stress:  Heat  Moisture  Nitrogen  General  Spotty  
 Stress-Chlorophyll:  None  Low  High  General  Spotty  
 Weed Control:  Good  OK  Poor  Spotty  Dense Spots  
 Grasses  Broadleaves  Perennials

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

Comments:

*Wheat Harvested  
 Control weeds  
 As needed  
 in wheat stubble*

- |  |  |
|--|--|
| <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"/> Maretail 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          |



- 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 \_\_\_\_\_ Variance \_\_\_\_\_  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 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        | <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

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay *Wheat* Date *8/5* 20*22*

Field Name/Number *N2 Study* Grower \_\_\_\_\_ 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

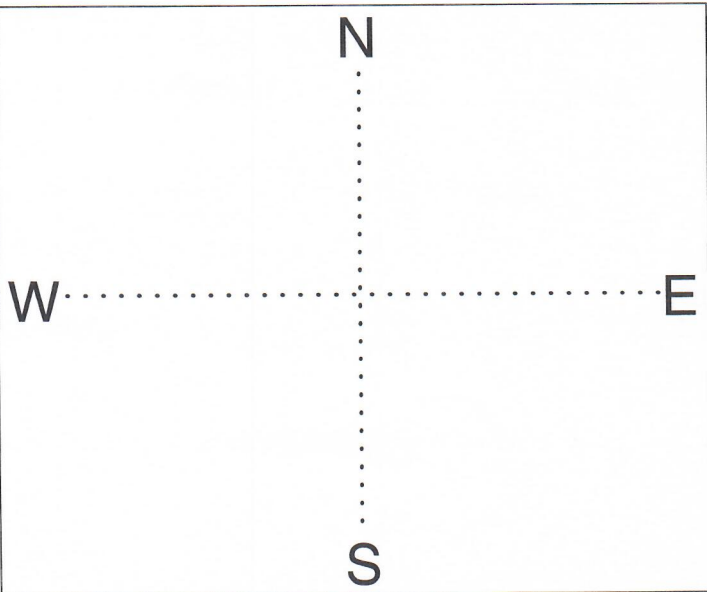
**ACTION:**

- None Required  
 Watch  
 Yes, see comments

**Comments:**

*Irrigated  
 wheat harvested  
 Control weeds to  
 needed in  
 wheat stubble*

- |  |  |
|--|--|
| <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"/> Maretail 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          |



- 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 \_\_\_\_\_ Variance \_\_\_\_\_  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 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        | <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

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay

Date 8/5/2022

Field Name/Number N2 Study 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

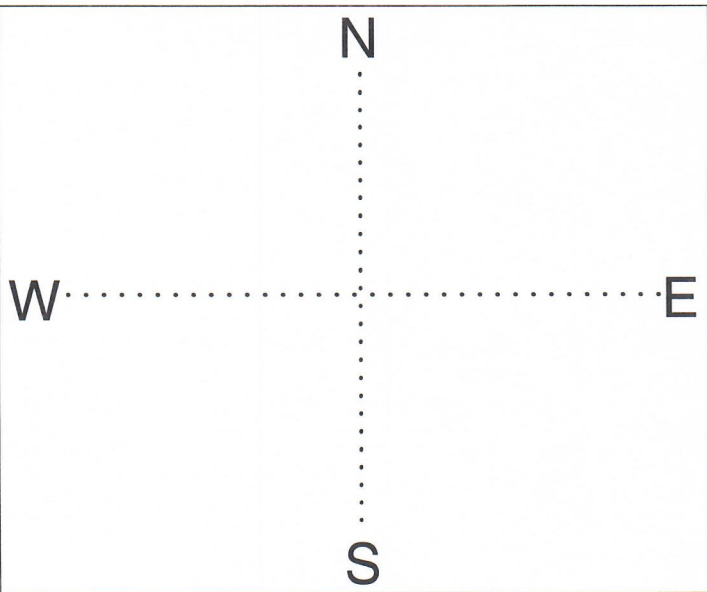
**ACTION:**

None Required  
 Watch  
 Yes, see comments

**Comments:**

*non-irrigated  
 wheat harvested  
 Control weeds to  
 needed  
 in wheat stubble*

- |  |  |
|--|--|
| <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"/> Maretail 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:    |  |  |
|   | <input type="checkbox"/> Spots            | <input type="checkbox"/> General       | <input type="checkbox"/> Hard <input type="checkbox"/> 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 | <input type="checkbox"/> Yellowish whorl  |  |  |
|   | <input type="checkbox"/> Buggywip         | <input type="checkbox"/> Stalk bending | <input type="checkbox"/> Twisted whorl                         |
| <input type="checkbox"/> Doubles _____                  | % Corn                                    |  |  |
| <input type="checkbox"/> Density _____                  | Variance _____                            |  |  |
| <input type="checkbox"/> Growth _____                   | Variance _____                            |  |  |
| <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        | <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

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans  Hay *Swiss chard* Date 8/5 2022

Field Name/Number T6R3 Grower Moy Smith Growth Stage \_\_\_\_\_

General Appearance \_\_\_\_\_ Size \_\_\_\_\_ Variance \_\_\_\_\_ Leaf Color \_\_\_\_\_ Variance \_\_\_\_\_

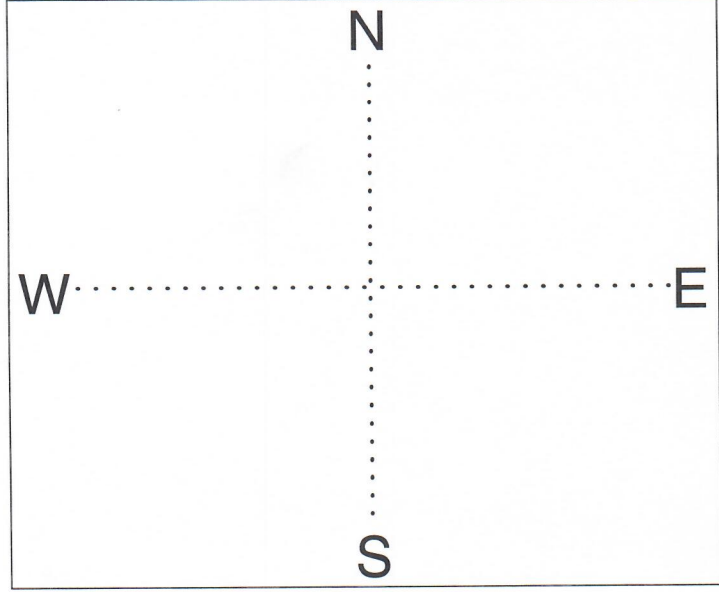
Plant Population \_\_\_\_\_ Soil Moisture 0-12 \_\_\_\_\_ 12-24 \_\_\_\_\_ 24+ \_\_\_\_\_ %AWC \_\_\_\_\_

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:  
*Bull thistle scattered in spots throughout*

- |  |  |
|--|--|
| <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"/> Maretail 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          |



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 \_\_\_\_\_ Variance \_\_\_\_\_  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 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	<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