

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

Seed Corn  Corn  Soybeans  Wheat  Green Beans Date 7/12/2019  
 Field Name/Number G125 Grower msu Growth Stage V10/11  
 General Appearance 9000 Size 3-4' Variance good Leaf Color good Variance good  
 Plant Population \_\_\_\_\_ Soil Moisture 0-12 70 12-24 70+ 24+ \_\_\_\_\_ %AWC

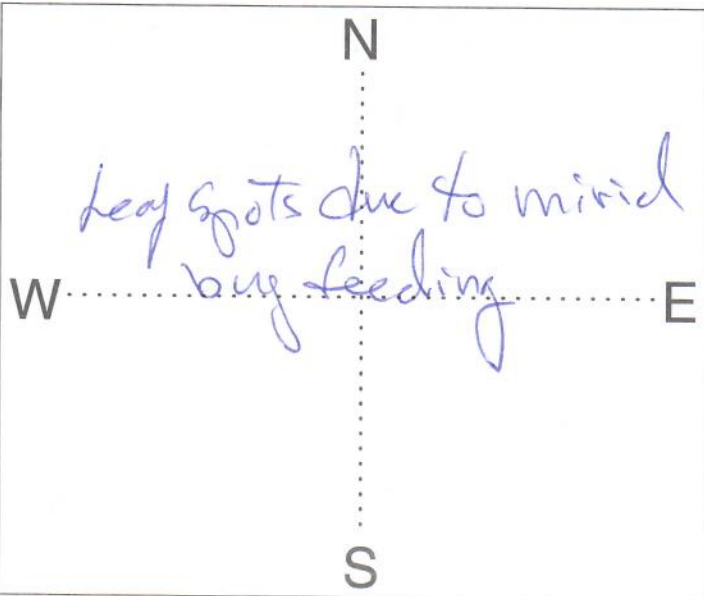
Vigor:  Good  OK  Poor  General  Spotty  
 Stress:  Heat  Moisture  Nitrogen  General  Spotty  
 Stress-Chlorophyll:  None  Low  High  General  Spotty  
 Weed Control:  Good  OK  Poor  Spotty  Dense Spots  
 Grasses  Broadleaves  Perennials

**ACTION:**  
 None Required *color/grain/pl. normal*  
 Watch  
 Yes, see comments

**Comments:**

*looks ok.*

- |  |  |
|--|--|
| <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"/> Perennials P          |
| <input type="checkbox"/> Milkweed CM       | <input type="checkbox"/> 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 good Variance ok  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 Soil Temperature normal 2"

- |  |  |   |                                      |                                    |
|--|--|---|--------------------------------------|------------------------------------|
| <input type="checkbox"/> Cutworms CW     | <input checked="" 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 checked="" type="checkbox"/> Foliar Disease-Fung | <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                 |                                      |                                    |
- low level lower leaves*

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

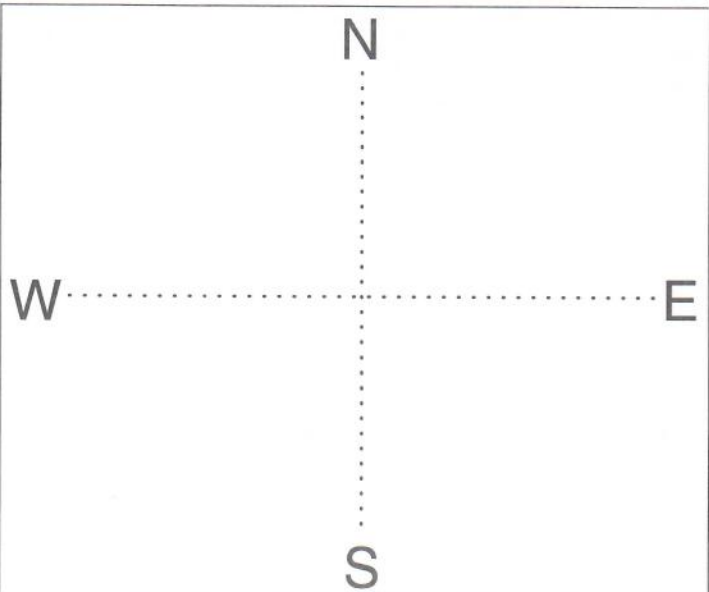
Seed Corn  Corn  Soybeans  Wheat  Green Beans *Sorgham* Date 7/12/09  
 Field Name/Number 0225 Grower msu Growth Stage V2/B  
 General Appearance good Size 12-14" Variance ok Leaf Color good Variance good  
 Plant Population \_\_\_\_\_ Soil Moisture 0-12 70 12-24 75 24+ \_\_\_\_\_ %AWC

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:**  
12-14"  
Annual grasses spots  
~~weeds~~  
Purslane Common.

- |  |  |
|--|--|
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| <input type="checkbox"/> Panicum -Fall FP  | <input type="checkbox"/> Bindweed -Field FBW   |
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| <input type="checkbox"/> Velvetleaf VL     | <input type="checkbox"/> Yellow Rocket YR      |
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| <input type="checkbox"/> Milkweed CM       | <input type="checkbox"/> 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 good Variance good  
 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 Soil Temperature normal 2"

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

Root Damage  Plants  
 Insects  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  Soybean  
 Date 7/12/2019  
 Field Name/Number G3R5 Grower MSU Soyham Growth Stage \_\_\_\_\_  
 General Appearance good Size 10-14" Variance good Leaf Color good Variance good  
 Plant Population \_\_\_\_\_ Soil Moisture 0-12 70 12-24 70+ 24+ \_\_\_\_\_ %AWC

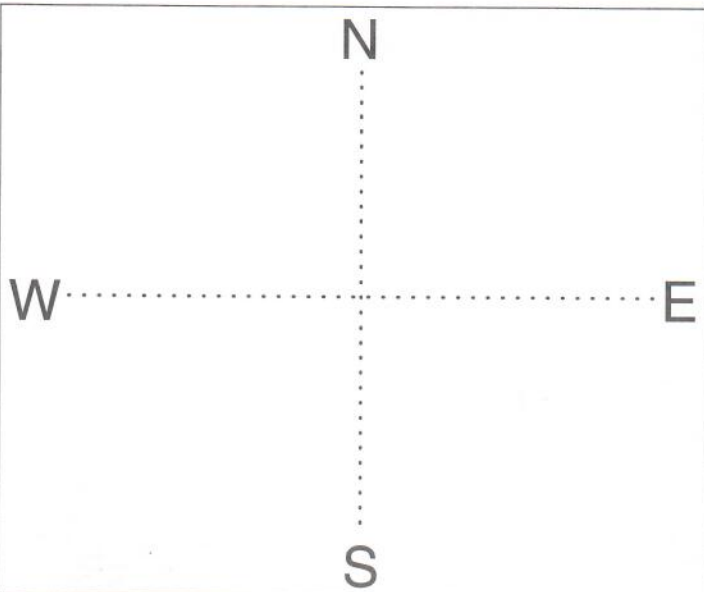
**Vigor:**  Good  OK  Poor  General  Spotty  
**Stress:**  Heat  Moisture  Nitrogen  General  Spotty  
**Stress-Chlorophyll:**  None  Low  High  General  Spotty  
**Weed Control:**  Good  OK  Poor  Spotty  Dense Spots  
 Grasses  Broadleaves  Perennials

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

**Comments:**

GRASSES (Annual)  
 Purslane Common.

- |  |  |
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 Plant spacing \_\_\_\_\_ Variance \_\_\_\_\_  
 Emergence \_\_\_\_\_ Variance \_\_\_\_\_  
 Soil Temperature \_\_\_\_\_ 2"

- |  |  |   |
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| <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 Agricultural Consulting Gary Manley 269-273-7070

## CORN INSECT AND DISEASE REPORT

Grower msd

Field(s) M-1



**ACTION**

None Required

Watch

Yes, see below

Date 7/12/09 2009 Crop Stage V14/15 Plant Height 6'4"

Soil Moisture 70 0-12" 70/70+ 12+" ok %AWC

VT 3/4 Leaves Silk — % Pollination — good / fair / poor

**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

Grasses  Broadleaves  Perennials

Uniformity OK

General Appearance OK

Leaf Color OK

Nitrogen OK

Deficiency none

Air Temperature \_\_\_\_\_

Plant Temperature Normal

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST.	THRESHOLD	COMMENTS
Corn Borer	larvae	% plants affected			
Armyworm	larvae	% plants affected			
W.C.Rootworm	adults	Beetles/plant			
C. Ear Worm	larvae	% ears affected			<u>OK</u>
Spider Mites		% plants affected			

DISEASES	PLT/PART Affected (sampled)	AFFECTED (range)	LESIONS square inch ear leaf	EVALUATION % Plts. Aff.	THRESHOLD B/N/A	DIST. G/S/L
Anthracnose						
NCLS						
<del>LB</del> Leaf Blight						
<del>Rust</del>						
		<u>low level scattered</u>				

**Comments:**

leaf blight lesions on lower leaves, low level, early stages of development

may be gray leaf spot, but too early to tell.