

# BioEnt - CORN REPORT

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

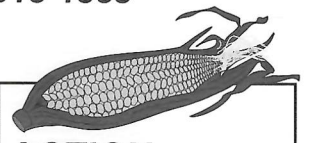
Grower M S U Date 9 27 2023

Field(s) C/R 1

Crop Stage dry down Plant Height \_\_\_\_\_

Soil Moisture 0-12" 60 12-24" 50 24+ \_\_\_\_\_ %AWC

VT \_\_\_\_\_ Leaves \_\_\_\_\_ Silk \_\_\_\_\_ % Pollination 100 good / fair / poor



### ACTION

- None Required
- Watch
- Yes, see below

**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

Nitrogen Deficiency on lower leaves  Yes  No  General  Spotty

# of leaves showing yellowing \_\_\_\_\_  Yes  No

**Appearance**

Uniformity (general) \_\_\_\_\_ Development \_\_\_\_\_

General (growth) \_\_\_\_\_ Color \_\_\_\_\_

Leaf Color \_\_\_\_\_ Mixed early black layer

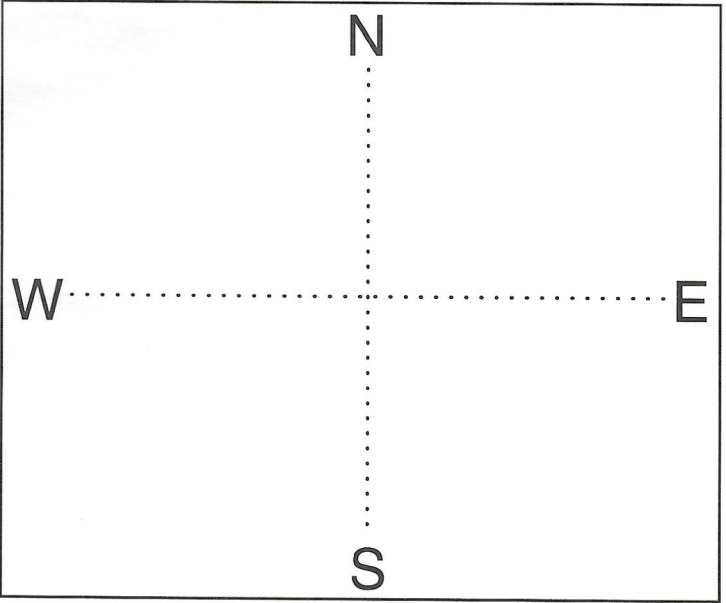
Nitrogen \_\_\_\_\_

Deficiency dry down stage

**Comments:**

Season long depress effect on yield yet to be determined

very low level of disease in general - Disease had no effect on yields this year in these plots



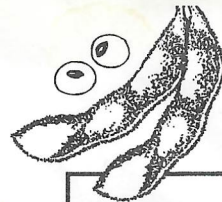
DISEASES	PLT/PART Affected (sampled)	AFFECTED (range)	LESIONS square inch ear leaf	EVALUATION % Pts. Aff.	THRESHOLD B/N/A	DIST. G/S/L
Anthracnose						
INCLS - fungi						
Leaf Blight - fungi						
Gray Leaf Spot						
<u>TAH spot</u>						
Rust						

INSECT SPECIES	LIFE STAGE	EVALUATION	POPULATION			COMMENTS
			H	M	L VL	
Corn Borer	instar	% plants affected				
WBCW						
W.C. Rootworm	adults	Beetles/plant				
C. Ear Worm	larvae	% ears affected				
Spider Mites		% plants affected				
Japanese Beetle	adults					



# BIOENT AGRICULTURAL CONSULTING

## BEAN INSECT AND DISEASE REPORT



Grower M59 Field Name G2R1  
 Date 9/27/23 Crop Stage R4/7 Plant Height 16-20"  
 Ave.(n=5) Stand Count \_\_\_\_\_ Soil Moisture 50/100%  
 Sun  PC  Cloudy  Temp \_\_\_\_\_ Time \_\_\_\_\_ Wind Speed H M L N

**ACTION**

None Required  
 Watch  
 Yes, see below

**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** finishing  
**Leaf Color** OK  
**Nitrogen** OK  
**Deficiency** none  
**Total Leaf Damage** none %  
**Round-up Seed**  Yes  No

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST. (S-G)	THRESHOLD actual B/N/A	proj. <>	COMMENTS
Cutworm/Army worm	larvae	% plts affected				
Ear Worm/Corn Borer	larvae adult	% plts affected				
Bean leaf Beetle	adult	% leaf damage				
W.C.Rootworm	adult	Beetles/plant				
Japanese Beetle	larvae adult	% leaf damage				finishing down leaf yellowing
Cloverworms	larvae adult	% leaf damage				
Potato Leafhopper	larvae adult	# per leaf				
Spider Mites	larvae adult	% plants affected				
Other	larvae adult					
Other	larvae adult					

DISEASES	PLT/PART Affected (sampled)	Region AFFECTED (range)	EVALUATION % Plts. Aff.	THRESHOLD B/N/A	DIST. G/S/L	COMMENTS
Common Blight						
Anthraxnose						
Powdery Mildew						
Rust						
White Mold						
Root Rot						
Virus						
Other						

**Comments:** Wild life will have an effect on yields  
Heavy deer damage; on all plants  
Season long dryness effect on yield yet to be determined  
Natural yellowing - late pod development



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

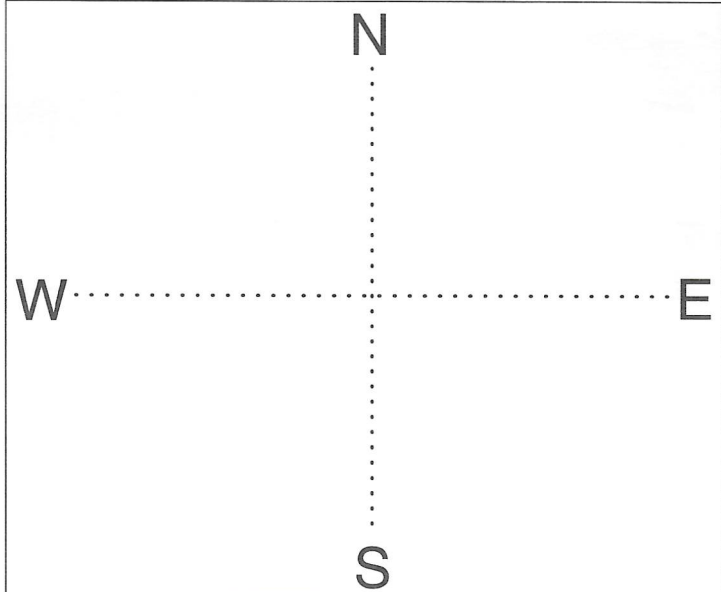
Seed Corn  Corn  Soybeans  Wheat  Green Beans *Sorghum* Date *9/27/23*  
 Field Name/Number *G3R11* Grower *MSY* Growth Stage \_\_\_\_\_  
 General Appearance *good* Size *13-151* Variance *good* Leaf Color *good* Variance *good*  
 Plant Population \_\_\_\_\_ Soil Moisture 0-12 *00* 12-24 *50* 24+ \_\_\_\_\_ %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:**  
*looks good*

- |  |  |
|--|--|
| <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 *good* Variance \_\_\_\_\_  
 Growth *good* Variance *good*  
 Plant spading \_\_\_\_\_ 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       |

Root Damage  Plants  
 Insects  Purplish  
 Diseases  Yellowish  
 Nematodes  Stunting