

# BioEnt Agricultural Consulting Gary Manley 269-273-7070

## CORN INSECT AND DISEASE REPORT

Grower MSU  
 Field(s) 71R2



Date 6/18/20 Crop Stage V6 Plant Height 10-12"  
 Soil Moisture 65 0-12" 65 12+" \_\_\_\_\_ %AWC  
 VT \_\_\_\_\_ Leaves \_\_\_\_\_ Silk \_\_\_\_\_ % Pollination \_\_\_\_\_ 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

Uniformity uneven - smaller spots  
 General Appearance ok  
 Leaf Color Some yellowish  
 Nitrogen ok  
 Deficiency ok  
 Air Temperature 85-90 +/ -  
 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			
Spider Mites		% plants affected			ok

DISEASES	PLT/PART Affected (sampled)	AFFECTED (range)	LESIONS square inch ear leaf	EVALUATION % Plts. Aff.	THRESHOLD B/N/A	DIST. G/S/L
Anthrachnose						
NCLS						
LB Leaf Blight						
Rust						

**Comments:**  
29 27 29 27 29 28 28, 166 ACRES  
 lower spots in field - little yellowish & smaller size



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## CORN INSECT AND DISEASE REPORT

Grower msu  
 Field(s) T2R2



**ACTION**

None Required  
 Watch  
 Yes, see below

Date 6/18/2008 Crop Stage V6 Plant Height 10" Range  
 Soil Moisture 60/65 0-12" 65 12+" \_\_\_\_\_ %AWC  
 VT \_\_\_\_\_ 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 mostly good - isolated  
 General Appearance good spots smaller  
 Leaf Color good  
 Nitrogen OK  
 Deficiency none  
 Air Temperature \_\_\_\_\_  
 Plant Temperature 85-90 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
Anthraco nose						
NCLS						
LB Leaf Blight						
Rust						

**Comments:** 27 21 28 29 30 31

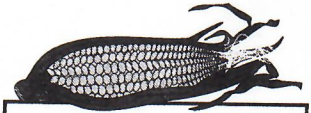
29, 33, 37  
ACTS



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## CORN INSECT AND DISEASE REPORT

Grower MSU  
 Field(s) T3R2



**ACTION**

None Required  
 Watch  
 Yes, see below

Date 6/18/2020 Crop Stage V5/6 Plant Height 8-10"  
 Soil Moisture 60-65 0-12" 65 12+" \_\_\_\_\_ %AWC  
 VT \_\_\_\_\_ 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 *general*

Uniformity good  
 General Appearance good  
 Leaf Color good  
 Nitrogen OK  
 Deficiency none  
 Air Temperature \_\_\_\_\_  
 Plant Temperature 85-90 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			<i>OK</i>
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
Anthraco-nose						
NCLS						
LB Leaf Blight						
Rust					<i>OK</i>	

**Comments:** 30 30 27 30 29 28 29,000 Acres

velvetleaf }  
 Lambsquarters } *general - moderate density*  
 Ragweed } *1-3" tall*  
*Consider Herbicide Application*



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## CORN INSECT AND DISEASE REPORT

Grower MS4  
 Field(s) TYR2



**ACTION**

None Required

Watch

Yes, see below

Date 6/18/2020 Crop Stage V3 Plant Height 3-4  
 Soil Moisture 60-65 0-12" 05 12+" \_\_\_\_\_ %AWC  
 VT \_\_\_\_\_ Leaves \_\_\_\_\_ Silk \_\_\_\_\_ % Pollination \_\_\_\_\_ good / fair / poor

<p><b>Vigor:</b> <input checked="" type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty</p> <p><b>Stress:</b> <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty</p> <p><b>Stress-Chlorophyll:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty</p> <p><b>Weed Control:</b> <input type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor <input type="checkbox"/> Spotty</p> <p><input checked="" type="checkbox"/> Grasses <input checked="" type="checkbox"/> Broadleaves <input type="checkbox"/> Perennials</p> <p style="text-align: right; margin-right: 50px;"><i>general small</i></p>	<p>Uniformity <u>OK</u></p> <p>General Appearance <u>OK</u></p> <p>Leaf Color <u>OK</u></p> <p>Nitrogen <u>OK</u></p> <p>Deficiency <u>None</u></p> <p>Air Temperature _____</p> <p>Plant Temperature <u>85-90</u> Normal</p>
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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			
Spider Mites		% plants affected			<i>OK</i>

DISEASES	PLT/PART Affected (sampled)	AFFECTED (range)	LESIONS square inch ear leaf	EVALUATION % Plts. Aff.	THRESHOLD B/N/A	DIST. G/S/L
Anthracoese						
NCLS						
LB Leaf Blight						
Rust						

**Comments:** 29 25 27 26 26 25

*Grasses*  
*Velvetleaf - emergence*  
*Ragweed - emergence*

*weeds small currently*

*Rotary hoe removed some plants*

*26 27 27  
ACR*



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## CORN INSECT AND DISEASE REPORT

Grower MSU

Field(s) 76R2



**ACTION**

None Required

Watch

Yes, see below

Date 6/18/20 Crop Stage veg Plant Height 24/30" 14/1

Soil Moisture ok 0-12" \_\_\_\_\_ 12+" \_\_\_\_\_ %AWC

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

<b>Vigor:</b> <input checked="" type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Stress:</b> <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Stress-Chlorophyll:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Weed Control:</b> <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	Uniformity <u>ok</u> General Appearance <u>ok</u> Leaf Color <u>ok</u> Nitrogen <u>ok</u> Deficiency <u>none</u> Air Temperature _____ Plant Temperature <u>85-90</u> Normal
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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			
Spider Mites		% plants affected			
<u>Grasshopper feeding - old feeding leaves, but no current feeding</u>					

DISEASES	PLT/PART Affected (sampled)	AFFECTED (range)	LESIONS square inch ear leaf	EVALUATION % Pts. Aff.	THRESHOLD B/N/A	DIST. G/S/L
Anthraco nose						
NCLS						
LB Leaf Blight	<u>ok</u>					
Rust						

**Comments:**  
No Grasshoppers Collected sweeping.



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## CORN INSECT AND DISEASE REPORT

Grower M SU  
 Field(s) Irrigation study - Irrigated



**ACTION**

None Required  
 Watch  
 Yes, see below

Date 6/18/2000 Crop Stage V7 Plant Height 12-14"  
 Soil Moisture 70 0-12" 75-80 12+" 80 %AWC  
 VT \_\_\_\_\_ Leaves \_\_\_\_\_ Silk \_\_\_\_\_ % Pollination \_\_\_\_\_ good / fair / poor

<b>Vigor:</b> <input checked="" type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Stress:</b> <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Stress-Chlorophyll:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Weed Control:</b> <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	Uniformity <u>good</u> General Appearance <u>good</u> Leaf Color <u>good</u> Nitrogen <u>OK</u> Deficiency <u>None</u> Air Temperature _____ Plant Temperature <u>85-90</u> Normal
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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
Anthraco nose						
NCLS						
LB Leaf Blight						
Rust						

**Comments:**



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## CORN INSECT AND DISEASE REPORT

Grower M 64  
 Field(s) Irrigation Study - Non-Irrigated



**ACTION**

None Required  
 Watch  
 Yes, see below

Date 6/18/20 Crop Stage V6/V7 Plant Height 10-12"  
 Soil Moisture 60-65 0-12" 65 12+" \_\_\_\_\_ %AWC  
 VT \_\_\_\_\_ Leaves \_\_\_\_\_ Silk \_\_\_\_\_ % Pollination \_\_\_\_\_ good / fair / poor

<b>Vigor:</b> <input checked="" type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Stress:</b> <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Stress-Chlorophyll:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High _____ <input type="checkbox"/> General <input type="checkbox"/> Spotty <b>Weed Control:</b> <input 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	Uniformity <u>OK</u> General Appearance <u>OK</u> Leaf Color <u>OK</u> Nitrogen <u>OK</u> Deficiency <u>OK</u> Air Temperature _____ Plant Temperature <u>85-90</u> Normal
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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
Anthraco nose						
NCLS						
LB Leaf Blight						
Rust						

**Comments:**