

BioEnt Agricultural Consulting

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

CORN INSECT AND DISEASE REPORT

Grower MS4 Date 8/14 2014

Field(s) Q1 R2 Corn

Crop Stage milk Plant Height _____

Soil Moisture 0-12" 50/60 12-24" 50/60 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

Uniformity mixed

General Appearance mixed

Leaf Color ok

Nitrogen ok

Deficiency ok

Air Temperature

70's °F

☒ Cold
☐ Normal
☐ Hot

INSECT SPECIES	LIFE STAGE	EVALUATION	COMMENTS
Corn Borer	instar	% plants affected	
WBCW			
W.C.Rootworm	adults	Beetles/plant	
C. Ear Worm	larvae	% ears affected	<u>ok</u>
Spider Mites		% plants affected	
Japanese Beetle			

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

Comments:

due to dryness, leaf burn up to ear leaf.

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CORN INSECT AND DISEASE REPORT

Grower msu Date 8/14/2014

Field(s) G2R2 Corn



ACTION

- ☒ None Required
☐ Watch
☐ Yes, see below

Crop Stage milk Plant Height

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

VT Leaves Silk % Pollination good / fair / poor

Vigor: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Ok <input type="checkbox"/> Poor <input type="checkbox"/> General <input checked="" type="checkbox"/> Spotty Stress: <input type="checkbox"/> Heat <input checked="" type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen <input checked="" type="checkbox"/> General <input checked="" type="checkbox"/> Spotty Stress-Chlorophyll: <input type="checkbox"/> None <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input checked="" type="checkbox"/> General <input checked="" type="checkbox"/> Spotty Weed Control: <input type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor <input type="checkbox"/> Spotty <u>Bottom 3-5 leaves</u> <input type="checkbox"/> Grasses <input type="checkbox"/> Broadleaves <input type="checkbox"/> Perennials Nitrogen Deficiency on lower leaves <input type="checkbox"/> Yes <input type="checkbox"/> No	Uniformity <u>Mixed</u> General Appearance <u>Mixed</u> Leaf Color <u>OK</u> Nitrogen <u>OK</u> Deficiency <u>OK</u> Air Temperature <u>70'S</u> °F <div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;"> Cold <input checked="" type="radio"/> Normal Hot </div>
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INSECT SPECIES	LIFE STAGE	EVALUATION	COMMENTS
Corn Borer	instar	% plants affected	
WBCW			
W.C.Rootworm	adults	Beetles/plant	
C. Ear Worm	larvae	% ears affected	<u>OK</u>
Spider Mites		% plants affected	
Japanese Beetle			

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 - fungi						
Leaf Blight - fungi						
Rust						
					<u>OK</u>	
					<u>None</u>	

Comments:

Leaf burn spotty - up to 3-5 leaves in spots due to dryness.

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CORN INSECT AND DISEASE REPORT

Grower MSH Date 8/14/2014

Field(s) Q322 Corn



ACTION

- ☒ None Required
☐ Watch
☐ Yes, see below

Crop Stage milky Plant Height _____

Soil Moisture 0-12" 50/60 12-24" 50/60 24+ _____ %AWC

VT _____ Leaves _____ Silk _____ % Pollination 100 good / fair / poor

Vigor: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Ok <input checked="" type="checkbox"/> Poor Stress: <input type="checkbox"/> Heat <input checked="" type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen Stress-Chlorophyll: <input type="checkbox"/> None <input checked="" type="checkbox"/> Low <input checked="" 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 Nitrogen Deficiency on lower leaves <input type="checkbox"/> Yes <input type="checkbox"/> No	Uniformity <u>mixed</u> General Appearance <u>mixed</u> Leaf Color <u>ok</u> Nitrogen <u>ok</u> Deficiency <u>ok</u> Air Temperature <u>70's</u> °F <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> Cold Normal Hot </div>
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INSECT SPECIES	LIFE STAGE	EVALUATION	COMMENTS
Corn Borer	instar	% plants affected	
WBCW			
W.C.Rootworm	adults	Beetles/plant	
C. Ear Worm	larvae	% ears affected	<u>ok</u>
Spider Mites		% plants affected	
Japanese Beetle			

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 - fungi						
Leaf Blight - fungi						
Rust					<u>ok none</u>	

Comments:

due to dryness - leaves yellow/dead up to ear leaf in spots.

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BEAN INSECT AND DISEASE REPORT

Date 8/14/2014

Grower msu

Field(s) G4 R2 - Soybeans

Crop Stage Early Pod development Plant Height 2-3'

Soil Moisture 0-6" 50/60 6-12" 50/60 %AWC

ACTION

- ☒ None Required
☐ Watch
☐ Yes, see below



Vigor: ☐ Good ☒ Ok ☐ Poor ☐ General ☐ Spotty
Stress: ☐ Heat ☒ Moisture ☒ General ☒ Spotty
Stress-Chlorophyll: ☐ None ☒ Low ☐ High ☒ General ☐ Spotty
Weed Control: ☐ Good ☐ Ok ☐ Poor ☐ Spotty
☐ Grasses ☐ Broadleaves ☐ Perennials

Uniformity ok
 General Appearance dry - ok
 Leaf Color ok
 Deficiency ok
 Total Leaf Damage low %
 Round-up Seed ☒ Yes ☐ No

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST. (S-G)	THRESHOLD	COMMENTS
<input checked="" type="checkbox"/> Worms - misc	larvae	<u>low</u> % plts affected	<u>low level - isolated</u>		
<input checked="" type="checkbox"/> Japanese Beetle	adults	% leaf damage			
Potato Leafhopper	nymphs	# per leaf			
Spider Mites	nymphs	% plants affected			
<input checked="" type="checkbox"/> Aphids	adults/nymphs	<u>220</u> # per plant			
Aphids	Alatoid nymphs	% population			
Aphids	Winged adults	% population			
Other <u>Grasshopper</u>	larvae <u>adult</u>		<u>low level</u>		
Other	larvae adult				
Natural Enemies		L M H			

DISEASES	PLT/PART Affected (sampled)	Region AFFECTED (range)	EVALUATION % Plts. Aff.	THRESHOLD	DIST. G/S	COMMENTS
<input checked="" type="checkbox"/> Downy Mildew	<u>general</u>	<u>Common</u>	<u>all plants</u>			
White Mold						
Common Blight						
SDS						
Charcoal Rot						
Other						
Other						

Comments: