

BioEnt Agricultural Consulting Gary Manley 269-273-7070 or 269-816-1080
CORN INSECT AND DISEASE REPORT

Grower MSU Date 9/11/2014

Field(s) T123

Crop Stage Full dent - dry down Plant Height _____
 +/- 45/50 moisture

Soil Moisture 0-12" 65/70 12-24" 60 24+ _____ %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
 Nitrogen Deficiency on lower leaves Yes No

Uniformity _____
 General Appearance _____
 Leaf Color _____
 Nitrogen _____
 Deficiency _____
 Air Temperature _____ °F
 Cold Normal Hot

INSECT SPECIES	LIFE STAGE	EVALUATION	COMMENTS
Corn Borer	instar	% plants affected	
WBCW			
W.C. Rootworm	adults	Beetles/plant	OK
C. Ear Worm	larvae	% ears affected	
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						
Grey leaf Spot		general			OK	

Comments: starting to dry down -

BioEnt Agricultural Consulting Gary Manley 269-273-7070 or 269-816-1080
CORN INSECT AND DISEASE REPORT

Grower MU Date 9/11/2014

Field(s) T2R3

Crop Stage Full Dent + 245/50% moisture Plant Height _____

Soil Moisture 0-12" 65/70 12-24" 60 24+ _____ %AWC

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



ACTION

None Required
 Watch
 Yes, see below

Vigor: <input checked="" 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 checked="" type="checkbox"/> Good <input type="checkbox"/> Ok <input type="checkbox"/> Poor <input type="checkbox"/> Spotty <input checked="" 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 _____ General Appearance _____ Leaf Color <u>ok</u> _____ Nitrogen <u>finishing</u> _____ Deficiency _____ Air Temperature <u>60/70 range</u> _____ Cold Normal Hot
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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	
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>Corn leaf Sp. T.</u>						

Comments: starting to dry down.

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CORN INSECT AND DISEASE REPORT

Grower MSU Date 9/11/2014

Field(s) TBR3



ACTION

None Required

Watch

Yes, see below

Crop Stage Late Dent - 4-60% Plant Height ✓

Soil Moisture 0-12" 65/70 12-24" 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 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 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>OK</u> General Appearance <u>OK</u> Leaf Color <u>OK</u> Nitrogen <u>OK</u> Deficiency <u>OK</u> Air Temperature <u>60-70° F Range</u> <input checked="" type="checkbox"/> Cold <input type="checkbox"/> Normal <input type="checkbox"/> Hot
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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>Gray Leaf Spot</u>	<u>General</u>				<u>OK</u>	

Comments:

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

Seed Corn Corn Soybeans Wheat _____ Grower MSU Date 9/1/2014
 Field Name/Number T6R3 Alfalfa Growth Stage _____
 General Appearance OK Size _____ Variance _____ Leaf Color _____ Variance _____
 Plant Population OK Soil Moisture 0-12 65/70 12+ 60 %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

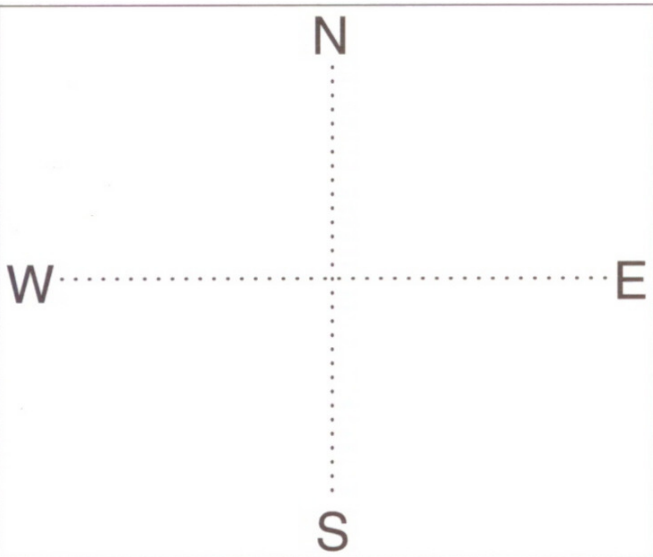
ACTION:

None Required
 Watch
 Yes, see comments

Comments:

No Insect problems
 early flower
 18-24"

- | | |
|--|--|
| <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"/> Field Sandbur FS | <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 _____ Variance _____
 Plant spacing _____ Variance _____
 Emergence _____ Variance _____
 Soil Temperature _____ 2"

- | | | |
|---------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> Cutworms | <input type="checkbox"/> White Grubs | <input type="checkbox"/> Seed Corn Maggots |
| <input type="checkbox"/> Armyworms | <input type="checkbox"/> Flea Beetles | <input type="checkbox"/> Foliar Disease-Rust |
| <input type="checkbox"/> Stalkborers | <input type="checkbox"/> Aphids | <input type="checkbox"/> Foliar Disease-Fungi |
| <input type="checkbox"/> Wireworms | <input type="checkbox"/> Slugs | <input type="checkbox"/> Corn Borer-% _____ |
| <input type="checkbox"/> Spider mites | <input type="checkbox"/> Leafhoppers | <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 |

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CORN INSECT AND DISEASE REPORT

Grower MSU Date 9/11/2014

Field(s) Irrigated - N2 study



ACTION

None Required

Watch

Yes, see below

Crop Stage Full dent - 45/50% moisture Plant Height _____

Soil Moisture 0-12" 75/80 12-24" 80/85 24+ 85 %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

Nitrogen Deficiency on lower leaves Yes No

Uniformity OK

General Appearance OK

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
Anthracnose						
NCLS - fungi						
Leaf Blight - fungi						
Rust						
<u>Cranked Root</u>	<u>general</u>	<u>-</u>	<u>,</u>			

Comments:

Rev 02-01-12

BioEnt Agricultural Consulting Gary Manley 269-273-7070 or 269-816-1080
CORN INSECT AND DISEASE REPORT

Grower MSU Date 9/11/2014
 Field(s) NO Irrigation - N₂ Study
 (Non-Irrigated N₂ Study)
 Crop Stage Full dent 45/50% moisture Plant Height _____
 Soil Moisture 0-12" 65/70 12-24" 60 24+ _____ %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
 Nitrogen Deficiency on lower leaves Yes No

Uniformity _____
 General Appearance _____
 Leaf Color _____
 Nitrogen Full dent _____
 Deficiency fairish _____
 Air Temperature 60/70 Range 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	OK
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>Gray leaf spot</u>						OK

Comments:

Rev 02-01-12