

BioEnt Agricultural Consulting Gary Manley 269-273-7070

CORN INSECT AND DISEASE REPORT

Grower MSU

Field(s) T1R3



ACTION

None Required

Watch

Yes, see below

Date 7/2/20 Crop Stage V9/10 Plant Height 2-3'

Soil Moisture 60-65 0-12" 65+ 12+" 70 %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 good

General Appearance good

Leaf Color good

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			
<u>mirid bugs</u>		<u>minor feeding on leaves</u>			

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					<u>ok</u>	

Comments:

Color/growth good.

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CORN INSECT AND DISEASE REPORT

Grower MS4
 Field(s) T2R3



ACTION

None Required
 Watch
 Yes, see below

Date 7/2/2020 Crop Stage V9/10 Plant Height 2-3'
 Soil Moisture 60+ 0-12" 60/65 12+" 45/65 %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 good
 General Appearance good
 Leaf Color good
 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
Anthracoese						
NCLS						
LB Leaf Blight						
Rust						

Comments:

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CORN INSECT AND DISEASE REPORT

Grower M 54
 Field(s) T3 R3



ACTION

None Required
 Watch
 Yes, see below

Date 7 / 2 2000 Crop Stage V Plant Height 2'-3'
 Soil Moisture 60-65 0-12" 65+ 12+" 70 %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 good
 General Appearance good
 Leaf Color good
 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			
<u>minor - Mirid Bug feeding & minor grasshopper feeding</u>					

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:

BioEnt Agricultural Consulting Gary Manley 269-273-7070

CORN INSECT AND DISEASE REPORT

Grower MSU
 Field(s) T4K3



ACTION

None Required
 Watch
 Yes, see below

Date 7 / 2 2007 Crop Stage 05/6 Plant Height 15-6"
 Soil Moisture 60/60+ 0-12" 60/65 12+" 65+ Range Range %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 Mixed
 General Appearance pk-
 Leaf Color good
 Nitrogen ok
 Deficiency none
 Air Temperature —
 Plant Temperature Normal

See below

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>ok</u>

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		<u>25 22</u>	<u>25 27</u>	<u>23 17</u>		
Rust			<u>2-23, 166/APE</u>			<u>ok</u>

Comments:

Populations mostly low
 Annual grasses
 Ragweed
 velvet leaf
 Pigweed
 nut sedge spots

Scattered Dogbane
 Mixture of plant size & stage -
 due to emergence - Range from $\sqrt{3/4}$ to $6/6$

BioEnt - Early Season Survey

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

Seed Corn Corn Soybeans Wheat Green Beans Switchgrass Date 6/2 2010
 Field Name/Number 6R3 Grower _____ Growth Stage _____
 General Appearance _____ Size 2-3 Variance ok Leaf Color good Variance good
 Plant Population _____ Soil Moisture 0-12 _____ 12-24 _____ 24+ _____ %AWC _____

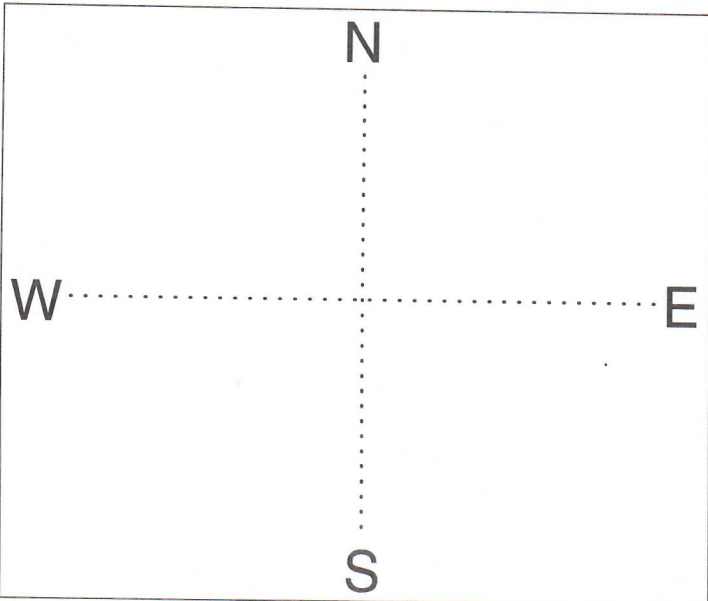
Vigor: Good OK Poor General Spotty
 Stress: Heat Moisture Nitrogen General Spotty
 Stress-Chlorophyll: None Low High General Spotty
 Weed Control: Good OK Poor Spotty Dense Spots
 Grasses Broadleaves Perennials

ACTION:
 None Required
 Watch
 Yes, see comments

Comments:

No New grasshopper
 feeding - feeding on
 old leaves only
 No Insect damage
 noted.

- | | |
|--|--|
| <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"/> Maretail 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 _____ Variance _____
 Plant spacing _____ 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 |

- | | |
|--------------------------------------|------------------------------------|
| <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

Field(s) Irrigation study - Irrigated



ACTION

None Required

Watch

Yes, see below

Date 7/2 2000 Crop Stage 11/12 Plant Height 3-4'

Soil Moisture 70 0-12" 80 12+" 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

Uniformity good

General Appearance good

Leaf Color good

Nitrogen OK

Deficiency OK

Air Temperature _____

Plant Temperature Normal

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST.	THRESHOLD	COMMENTS
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W.C.Rootworm	adults	Beetles/plant			
C. Ear Worm	larvae	% ears affected			
Spider Mites		% plants affected			<u>NONE</u>

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						
					<u>NONE</u>	

Comments:

Soil has good AWC for crop development.

Near perfect moisture profile in top 3'

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CORN INSECT AND DISEASE REPORT

Grower MSY
 Field(s) Irrigation study - Non-Irrigated
 Date 7/2/20 Crop Stage V8 Plant Height 2.3'
 Soil Moisture 60 0-12" 60/65 12+" 65 %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 OK
 General Appearance OK
 Leaf Color OK
 Nitrogen OK
 Deficiency OK
 Air Temperature _____
 Plant Temperature Normal

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

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: