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CORN INSECT AND DISEASE REPORT

Grower MSU Field Name G1R2

Date 7 28 2016 Crop Stage Late Pollination Plant Height _____

Ave.(n=5) Stand Count _____ Soil Moisture 60% AWC

VT 100 Silk 100 % Pollination 70+/- good / fair / poor

ACTION

- [x] 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 Mixed

General Appearance ok

Leaf Color ok

Nitrogen ok

Deficiency none

Air Temperature

Plant Temperature 80's Normal

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST. (SLG)	THRESHOLD actual B/N/A	THRESHOLD proj. < >	COMMENTS
Cutworm	larvae	% plts affected				
Armyworm	larvae	% plts affected				
Stalkborer	larvae	% plts affected				
W.C.Rootworm	adults	Beetles/plant				
C. Ear Worm	larvae	% ears affected				
Mites (Spider) on bottom leaves				Below		low level

Corn Borer	G1-larvae	Most common instar _____ Threshold _____
Corn Borer	G2-eggs	_____% plts affected Proj. Max. Pop. _____ Proj. Date _____
		Masses/plt _____

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						
LB Leaf Blight						
Rust						
Smut						
EyeSpot						

very low to none currently

Comments: Jap. Beetles - ok.

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CORN INSECT AND DISEASE REPORT

Grower MSU Field Name G2R2

Date 7/28/20__ Crop Stage Blister Plant Height ——

Ave.(n=5) Stand Count _____ Soil Moisture 60% AWC

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

ACTION

- [x] None Required
- [ ] Watch
- [ ] Yes, see below

Vigor: [ ] Good [x] Ok [ ] Poor —— [ ] General [ ] Spotty

Stress: [ ] Heat [x] Moisture [ ] Nitrogen — [x] General [x] Spotty Prior

Stress-Chlorophyll: [x] None [ ] Low [ ] High — [ ] General [x] Spotty Prior dryness

Weed Control: [ ] Good [ ] Ok [ ] Poor [ ] Spotty

[ ] Grasses [ ] Broadleaves [ ] Perennials

Uniformity Mixed due to dryness

General Appearance OK

Leaf Color ok

Nitrogen ok

Deficiency none

Air Temperature

Plant Temperature 80's Normal

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST. (SLG)	THRESHOLD actual B/N/A proj. < >	COMMENTS
Cutworm	larvae	% plts affected			
Armyworm	larvae	% plts affected			
Stalkborer	larvae	% plts affected			
W.C.Rootworm	adults	Beetles/plant			
C. Ear Worm	larvae	% ears affected			
Mites (Spider)		low leaves - Spots currently - low level - ok			

Corn Borer	G1-larvae	Most common instar _____ Threshold _____
Corn Borer	G2-eggs	_____% plts affected Proj. Max. Pop._____ Proj. Date _____
		Masses/plt _____

DISEASES	PLT/PART Affected (sampled)	AFFECTED (range)	LESIONS square inch ear leaf	EVALUATION % Plts. Aff.	THRESHOLD B/N/A	DIST. G/S/L
Anthracnose				disease very low		
NCLS						
LB Leaf Blight						
[x] Rust	low level					
Smut						
FyeSpot						

Comments: Corn showing results of dry conditions earlier. looks ok now - plant/ear size reduced uniformity decreased -

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CORN INSECT AND DISEASE REPORT

Grower MSU Field Name G3R2

Date 7/28/2016 Crop Stage Blister Plant Height —

Ave.(n=5) Stand Count _____ Soil Moisture 60% AWC

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

ACTION

- [x] None Required
- [ ] Watch
- [ ] Yes, see below

Vigor: [x] Good [x] Ok [ ] Poor — [ ] General [ ] Spotty

Stress: [ ] Heat [x] Moisture [ ] Nitrogen — [x] General [x] Spotty

Stress-Chlorophyll: [x] None [ ] Low [ ] High — [ ] General [x] Spotty

Weed Control: [x] Good [ ] Ok [ ] Poor [ ] Spotty

[ ] Grasses [ ] Broadleaves [ ] Perennials

due to prior dryness

Uniformity OK - Mixed to dryness

General Appearance OK

Leaf Color OK

Nitrogen OK

Deficiency none

Air Temperature

Plant Temperature 80's Normal

INSECT SPECIES	LIFE STAGE (ELPA)	EVALUATION	DIST. (SLG)	THRESHOLD actual B/N/A proj. < >	COMMENTS
Cutworm	larvae	% plts affected			
Armyworm	larvae	% plts affected			
Stalkborer	larvae	% plts affected			
W.C.Rootworm	adults	Beetles/plant			
C. Ear Worm	larvae	% ears affected			

Spidermites - lower leaves - spotty currently - low level

Corn Borer	G1-larvae	Most common instar _____ Threshold _____
Corn Borer	G2-eggs	_____% plts affected Proj. Max. Pop._____ Proj. Date _____
		Masses/plt _____

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						
LB Leaf Blight			very	low throughout	ok	
Rust						
Smut						
EyeSpot						

Comments: Corn shows results of dryness earlier - look better now - Plant/ear size reduced and uniformity ~~[illegible]~~ decreased

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BEAN INSECT AND DISEASE REPORT

Grower MSU Field Name G4R2

Date 7/28/2016 Crop Stage R3 Plant Height 20"

Ave.(n=5) Stand Count _____ Soil Moisture 60% AWC

Sun PC Cloudy ***Temp*** _____ ***Time*** _____ ***Wind Speed*** — H M L N

ACTION Spider mites Aphids

- ☐ 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 none

Total Leaf Damage low %

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	ok			
Cloverworms	larvae	adult	% leaf damage				
Potato Leafhopper	larvae	adult	# per leaf				
Spider Mites	larvae	adult	% plants affected	100% plants with low level/plus			
Other Aphids	larvae	adult	low level +/- 1-2%				
Other Leaf Tier	larvae	adult					

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

We did not spray the mites in G4. We received rain (3/4 inch) on July 30, 2016 that controlled the mites.

Comments: Control mites - hot spots plus general level throughout plots.

May want to control Aphids at same time, but Aphids below threshold currently