BioEnt Agricultural Consulting

WHEAT INSECT AND DISEASE REPORT

Observation Date 6/13/2019 Crop Stage early flower Plant Height 2'

Ave.(n=5) Stand Count ~ Grower MSH Soil Moisture 80% +

Field Name T123 Time _____ Temp. _____

Weather —Sun PC Cloudy *Wind Speed* —H M L N

INSECT SPECIES	EVALUATION	DIST. (S-G)	LEVEL (LMH)	THRESHOLD actual B/N/A	THRESHOLD proj. <>
Armyworm	% plts affected				
Grain Aphids	% plts affected				
Cereal Leaf Beetle (Adults)	% plts affected				
Grasshoppers	% plts affected			ok	
Spider Mites	% plts affected				
Other					
Other					

DISEASES	PLT/PART Affected (sampled)	GR. REGION Affected (range)	EVALUATION % Plts. Aff. 20X5	THRESHOLD B/N/A	DIST. G/S/L
Septoria Leaf Blotch	leaves		most	general	
Powdery Mildew					
Rust					
Root Infections					
Septoria Glume Blotch					
Scab (Fusarium)	Control early		next wk.		
Barley Yellow Dwarf Virus					
Spindle Streak Virus					
Other					
Other					

Comments: Soil wet - stunting to flower
Apply fungi control early next week.

BioEnt Agricultural Consulting

WHEAT INSECT AND DISEASE REPORT

Observation Date 6 13 ~~20~~19 Crop Stage First flower Plant Height 30"

Ave.(n=5) Stand Count _____ Grower MSU Soil Moisture 80% + Rain

Field Name T2R3 Time _____ Temp. _____

Weather —Sun PC Cloudy *Wind Speed* —H M L N

INSECT SPECIES	EVALUATION	DIST. (S-G)	LEVEL (LMH)	THRESHOLD actual B/N/A	THRESHOLD proj. <>
Armyworm	% plts affected				
Grain Aphids	% plts affected				
Cereal Leaf Beetle (Adults)	% plts affected				
Grasshoppers	% plts affected				
Spider Mites	% plts affected				
Other					
Other					

DISEASES	PLT/PART Affected (sampled)	GR. REGION Affected (range)	EVALUATION % Plts. Aff. 20X5	THRESHOLD B/N/A	DIST. G/S/L
X Septoria Leaf Blotch	Leaves	- general			
Powdery Mildew					
Rust					
Root Infections					
Septoria Glume Blotch	Control early next Week.				
Scab (Fusarium)					
Barley Yellow Dwarf Virus					
Spindle Streak Virus					
Other					
Other					

Comments:

Soil Wet - Starting to flower

Apply fungi Control for Scab early next week.

BioEnt Agricultural Consulting

WHEAT INSECT AND DISEASE REPORT

Observation Date 6/13/2019 Crop Stage First flower (early) Plant Height 27"

Ave.(n=5) Stand Count _____ Grower MCH Soil Moisture soggy

Field Name T3R3 Time _____ Temp. _____

Weather —Sun PC Cloudy *Wind Speed* —H M L N

INSECT SPECIES	EVALUATION	DIST. (S-G)	LEVEL (LMH)	THRESHOLD actual B/N/A	THRESHOLD proj. <>
Armyworm	% plts affected				
Grain Aphids	% plts affected				
X Cereal Leaf Beetle (Adults)	<5 % plts affected		low levels.		
Grasshoppers	% plts affected				
Spider Mites	% plts affected				
Other					
Other					

DISEASES	PLT/PART Affected (sampled)	GR. REGION Affected (range)	EVALUATION % Plts. Aff. 20X5	THRESHOLD B/N/A	DIST. G/S/L
X Septoria Leaf Blotch	Leaves		general/common		
Powdery Mildew					
Rust					
Root Infections					
Septoria Glume Blotch					
Scab (Fusarium)		Control early next wks			
Barley Yellow Dwarf Virus					
Spindle Streak Virus					
Other					
Other					

Comments:

Soil wet - starting to flower

apply fungi control early ~~next~~ Next Week.

BioEnt Agricultural Consulting

WHEAT INSECT AND DISEASE REPORT

Observation Date 6/13/2019 Crop Stage First flower Plant Height 18-20"

Ave.(n=5) Stand Count _____ Grower MSU Soil Moisture 80% +

Field Name T4R3 Time _____ Temp. _____

Weather —Sun PC Cloudy *Wind Speed* —H M L N

INSECT SPECIES	EVALUATION	DIST. (S-G)	LEVEL (LMH)	THRESHOLD actual B/N/A	THRESHOLD proj. <>
Armyworm	% plts affected				
Grain Aphids	% plts affected				
X Cereal Leaf Beetle (Adults)	<5% % plts affected	Larvae	low level		
Grasshoppers	% plts affected				
Spider Mites	% plts affected				
Other					
Other					

DISEASES	PLT/PART Affected (sampled)	GR. REGION Affected (range)	EVALUATION % Plts. Aff. 20X5	THRESHOLD B/N/A	DIST. G/S/L
X Septoria Leaf Blotch	leaves	general	Common starting to kill some leaves,		
Powdery Mildew					
Rust					
Root Infections					
Septoria Glume Blotch					
Scab (Fusarium)					
Barley Yellow Dwarf Virus					
Spindle Streak Virus					
Other					
Other					

Comments: Soil wet - starting to flower

BioEnt – Early Season Survey

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

☐Seed Corn ☐Corn ☐Soybeans ☐Wheat ☐Green Beans Switchgrass Date 6/13 2019

Field Name/Number T6R3 Grower MSU Growth Stage PE

General Appearance ____ Size ____ Variance ____ Leaf Color ____ Variance ____

Plant Population PE Soil Moisture 0-12 SOT 12-24 SOT 24+ SOT %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 See notes

☐Watch

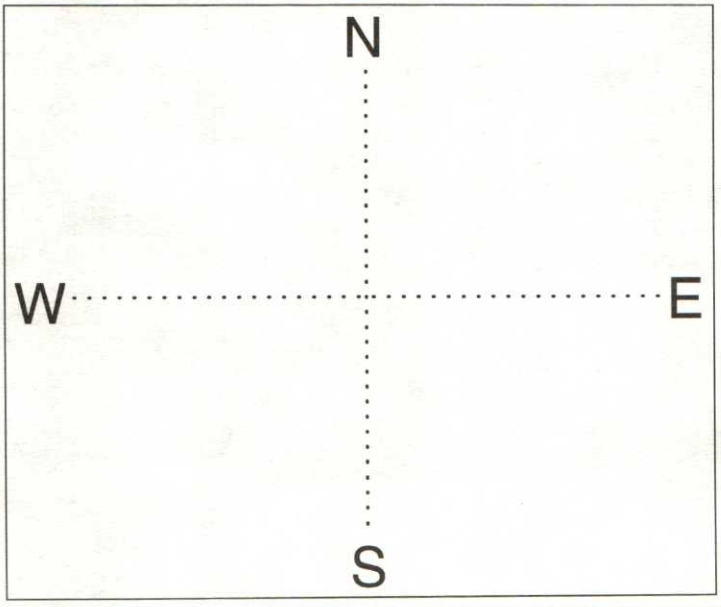
☐Yes, see comments

Comments:

Sprayed - die back looks good

PRE-Plant.

- ☐ Annual Grasses AG
- ☐ Foxtail F
- ☐ Panicum -Fall FP
- ☐ Quack grass QG
- ☐ Wirestem Muhly WM
- ☐ Marestail MT
- ☐ Crabgrass CG
- ☐ Johnsongrass JG
- ☐ Shatercane SCA
- ☐ Nutsedge NS
- ☐ Winter Annuals WA
- ☐ Chickweed CW
- ☐ Biannuals WB
- ☐ Cover Crop CC
- ☐ Velvetleaf VL
- ☐ Cocklebur CBUR
- ☐ Milkweed CM
- ☐ Pigweed RRP
- ☐ Horsenettle HN
- ☐ Bindweed -Field FBW
- ☐ Bindweed -Hedge HBW
- ☐ Smartweed -Penn. PSM
- ☐ Smart -Swamp SSM
- ☐ Dogbane -Hemp HDB
- ☐ Lambsquarter LQU
- ☐ Ragweed CRAG
- ☐ Ragweed -Giant GRAG
- ☐ Dock -Curly CD
- ☐ Nightshade -Black BNS
- ☐ Jimsonweed JW
- ☐ Canada Thistle CTH
- ☐ Yellow Rocket YR
- ☐ Perennials P
- ☐ Pokeweed PW



- ☐ Germination ☐ No ☐ 1/4" Root ☐ Spike PE
- ☐ Emergence ☐ Breaking ☐ VC / V1
- ☐ Nutrient Deficiency ☐ Spots ☐ General ____
- ☐ Soil Compaction: ◯ Spots ◯ General ☐ Soil Surface: ◯ 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"

- ☐ Cutworms CW
- ☐ Armyworms AW
- ☐ Stalkborers SB
- ☐ Wireworms WW
- ☐ Spider Mites SM
- ☐ White Grubs WG
- ☐ Flea Beetles FB
- ☐ Aphids A
- ☐ Slugs S
- ☐ Leafhoppers LH
- ☐ Seed Corn Maggots
- ☐ Foliar Disease-Rust
- ☐ Foliar Disease-Fungi
- ☐ Corn Borer-%____
- ☐ Stunted plants

- ☐ Root Damage
  - ☐ Insects
  - ☐ Diseases
  - ☐ Nematodes
- ☐ Plants
  - ☐ Purplish
  - ☐ Yellowish
  - ☐ Stunting

Rev 05-28-14

BioEnt Agricultural Consulting

WHEAT INSECT AND DISEASE REPORT

No study Irrigateel

Observation Date 6/13/2019 Crop Stage First flower Plant Height 30"

Ave.(n=5) Stand Count _____ Grower MSU Soil Moisture 60% TAW

Field Name Irrigateel Time _____ Temp. _____

Weather —Sun PC Cloudy *Wind Speed* —H M L N

INSECT SPECIES	EVALUATION	DIST. (S-G)	LEVEL (LMH)	THRESHOLD actual B/N/A	THRESHOLD proj. <>
Armyworm	% plts affected				
Grain Aphids	% plts affected				
Cereal Leaf Beetle (Adults)	% plts affected				
Grasshoppers	% plts affected				
Spider Mites	% plts affected				
Other					
Other					

DISEASES	PLT/PART Affected (sampled)	GR. REGION Affected (range)	EVALUATION % Plts. Aff. 20X5	THRESHOLD B/N/A	DIST. G/S/L
Septoria Leaf Blotch	leaves	general			
Powdery Mildew					
Rust					
Root Infections					
Septoria Glume Blotch					
Scab (Fusarium)	Apply Control early Next Week,				
Barley Yellow Dwarf Virus					
Spindle Streak Virus					
Other					
Other					

Comments:

BioEnt Agricultural Consulting

N2 study

WHEAT INSECT AND DISEASE REPORT

Non-Irrigated

Observation Date 6/13/2019 Crop Stage First flower Plant Height 30"

Ave.(n=5) Stand Count _____ Grower MSU Soil Moisture 80% +

Field Name Non-Irrigated Time _____ Temp. _____

Weather —Sun PC Cloudy *Wind Speed* —H M L N

INSECT SPECIES	EVALUATION	DIST. (S-G)	LEVEL (LMH)	THRESHOLD actual B/N/A	THRESHOLD proj. <>
Armyworm	% plts affected				
Grain Aphids	% plts affected				
Cereal Leaf Beetle (Adults)	% plts affected				
Grasshoppers	% plts affected				
Spider Mites	% plts affected				
Other					
Other					

DISEASES	PLT/PART Affected (sampled)	GR. REGION Affected (range)	EVALUATION % Plts. Aff. 20X5	THRESHOLD B/N/A	DIST. G/S/L
Septoria Leaf Blotch	leaves	general			
Powdery Mildew					
Rust					
Root Infections					
Septoria Glume Blotch	Apply	Control	early Next week,		
Scab (Fusarium)					
Barley Yellow Dwarf Virus					
Spindle Streak Virus					
Other					
Other					

Comments: