### Observation Date: 6/13/2019
### Crop Stage: Early Flower
### Plant Height: 2'
### Ave. Stand Count: 70
### Grower: M.H.
### Soil Moisture: 80%
### Field Name: TIPE
### Weather: Sun, PC, Cloudy
### Wind Speed: H, M, L, N

## Insect Species

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Evaluation</th>
<th>DIST. (S-G)</th>
<th>LEVEL (LMH)</th>
<th>THRESHOLD</th>
<th>LEVEL</th>
<th>Proj.</th>
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<tbody>
<tr>
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<tr>
<td>Grain Aphids</td>
<td>% pits affected</td>
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<tr>
<td>Cereal Leaf Beetle (Adults)</td>
<td>% pits affected</td>
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<tr>
<td>Grasshoppers</td>
<td>% pits affected</td>
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<tr>
<td>Spider Mites</td>
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## Diseases

<table>
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<tr>
<th>Disease</th>
<th>PLT/PART Affected (sampled)</th>
<th>GR. REGION Affected (range)</th>
<th>EVALUATION</th>
<th>THRESHOLD</th>
<th>DIST.</th>
<th>G/S/L</th>
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<tbody>
<tr>
<td>Septoria Leaf Blotch</td>
<td>Leaves</td>
<td>Most</td>
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<tr>
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<td>Root Infections</td>
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<td>Septoria Glume Blotch</td>
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<tr>
<td>Scab (Fusarium)</td>
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<tr>
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<tr>
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</tbody>
</table>

**Comments:**

Soil wet - starting to flower. Apply fungicide control early next week.
Observation Date: 6/13/2019  
Crop Stage: First Flower  
Plant Height: 30"  
Ave. (n=5) Stand Count: 14  
Grower: MSU  
Soil Moisture: 80%  
Field Name: T2R3  

Weather: Sun, PC, Cloudy  
Wind Speed: H, M, L, N  

### Insect Species

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Evaluation</th>
<th>Dist. (S-G)</th>
<th>Level (LMH)</th>
<th>Threshold (actual/proj.)</th>
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</thead>
<tbody>
<tr>
<td>Armyworm</td>
<td>% pit affected</td>
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<tr>
<td>Grain Aphids</td>
<td>% pit affected</td>
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<td>Cereal Leaf Beetle (Adults)</td>
<td>% pit affected</td>
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<tr>
<td>Grasshoppers</td>
<td>% pit affected</td>
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<tr>
<td>Spider Mites</td>
<td>% pit affected</td>
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### Diseases

<table>
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<tr>
<th>Disease</th>
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<th>Gr. Region Affected (range)</th>
<th>Evaluation % Pits. Aff. 20X5</th>
<th>Threshold (actual/proj.)</th>
<th>Dist. (G/S/L)</th>
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<td>Root Infections</td>
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<tr>
<td>Scab (Fusarium)</td>
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<td>Barley Yellow Dwarf Virus</td>
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### Comments:

- Soil wet - starting to flower
- Apply fungicide control for Scab early next week.
**BioEnt Agricultural Consulting**

**WHEAT INSECT AND DISEASE REPORT**

<table>
<thead>
<tr>
<th>Observation Date</th>
<th>Crop Stage</th>
<th>Plant Height</th>
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<tbody>
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<td>6/13/29</td>
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<table>
<thead>
<tr>
<th>Ave. (n=5) Stand Count</th>
<th>Grower</th>
<th>Soil Moisture</th>
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<tbody>
<tr>
<td>2323</td>
<td>MC4</td>
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<table>
<thead>
<tr>
<th>Field Name</th>
<th>Time</th>
<th>Temp.</th>
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**Weather**
- Sun
- PC
- Cloudy

**Wind Speed**
- H
- M
- L
- N

**INSECT SPECIES**

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Evaluation</th>
<th>DIST. (S-G)</th>
<th>LEVEL (LMH)</th>
<th>THRESHOLD</th>
<th>actual proj.</th>
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<tbody>
<tr>
<td>Armyworm</td>
<td>% plts affected</td>
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<tr>
<td>Cereal Leaf Beetle (Adults)</td>
<td>% plts affected</td>
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<tr>
<td>Grasshoppers</td>
<td>% plts affected</td>
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**DISEASES**

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<thead>
<tr>
<th>Disease</th>
<th>PLT/PART</th>
<th>GR. REGION</th>
<th>EVALUATION</th>
<th>THRESHOLD</th>
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<tr>
<td>Rust</td>
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<td>Control early</td>
<td>Next Week</td>
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</tr>
<tr>
<td>Root Infections</td>
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<td>Septoria Glume Blotch</td>
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<td>Control early</td>
<td>Next Week</td>
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</tbody>
</table>

**Comments:**
- Soil wet - starting to flower
- apply fungic Control early 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: MSL
Soil Moisture: 80%-

Field Name: 4R3

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

<table>
<thead>
<tr>
<th>INSECT SPECIES</th>
<th>EVALUATION</th>
<th>DIST. (S-G)</th>
<th>LEVEL (LMH)</th>
<th>THRESHOLD actual proj.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armyworm</td>
<td>% pits affected</td>
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<tr>
<td>Grain Aphids</td>
<td>% pits affected</td>
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<tr>
<td>Spider Mites</td>
<td>% pits affected</td>
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<tr>
<td>Other</td>
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<tr>
<th>DISEASES</th>
<th>PLT/PART Affected (sampled)</th>
<th>GR. REGION Affected (range)</th>
<th>EVALUATION % Plts. Aff. 20X5</th>
<th>THRESHOLD DIST. (G/S/L)</th>
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<tr>
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<tr>
<td>Other</td>
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</table>

Comments:

Soil wet - starting to flower
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

[Check boxes for Seed Corn, Corn, Soybeans, Wheat, or Green Beans]  Date 6/13/2019

Field Name/Number  TOPS  Grower  MSU  Growth Stage PE

General Appearance  Size  Variance  Leaf Color  Variance

Plant Population PE  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  □ See notes
□ Watch
□ Yes, see comments

Comments:
Sprayed die-back looks good – PRE-Plant.

N

W

E

S

□ Annual Grasses AG  □ Pigweed RRP
□ Foxtail F  □ Horsenettle HN
□ Panicum -Fall FP  □ Bindweed -Field FBW
□ Quack grass QG  □ Bindweed -Hedge HBW
□ Wirestem Muhly WM  □ Smartweed -Penn. PSM
□ Marestail MT  □ Smart -Swamp SSM
□ Crabgrass CG  □ Dogbane -Hemp HDB
□ Johnsongrass JG  □ Lambquarters LQU
□ Shattercane SCA  □ Ragweed CRAG
□ Nutsedge NS  □ Ragweed -Giant GRAG
□ Winter Annuals WA  □ Dock -Curly CD
□ Chickweed CW  □ Nightshade -Black BNS
□ Biennials WB  □ Jimsonweed JW
□ Cover Crop CC  □ Canada Thistle CTH
□ Velvetyleaf VL  □ Yellow Rocket YR
□ Cocklebur CBUR  □ Perennials P
□ Milkweed CM  □ 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"
BioEnt Agricultural Consulting
WHEAT INSECT AND DISEASE REPORT

Observation Date: 06/13/2019  
Crop Stage: First Flower  
Plant Height: 30"  

Ave. (n=5) Stand Count:  
Grower: MSY  
Soil Moisture: 82% TAWK

Field Name: Irrigated

Weather: Sun PC Cloudy
Wind Speed: H M L N

<table>
<thead>
<tr>
<th>INSECT SPECIES</th>
<th>EVALUATION</th>
<th>DIST. (S-G)</th>
<th>LEVEL (LMH)</th>
<th>THRESHOLD</th>
<th>actual proj.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armyworm</td>
<td>% plts affected</td>
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<tr>
<td>Grain Aphids</td>
<td>% plts affected</td>
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<td>B/N/A &lt; &gt;</td>
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<td>Cereal Leaf Beetle (Adults)</td>
<td>% plts affected</td>
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<td>B/N/A &lt; &gt;</td>
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<tr>
<td>Grasshoppers</td>
<td>% plts affected</td>
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<td>Spider Mites</td>
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<tr>
<th>DISEASES</th>
<th>PLT/PART Affected (sampled)</th>
<th>GR. REGION Affected (range)</th>
<th>EVALUATION 20X5</th>
<th>THRESHOLD B/N/A</th>
<th>DIST. G/S/L</th>
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<tbody>
<tr>
<td>Septoria Leaf Blotch</td>
<td>Leaves general</td>
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<tr>
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<td>Septoria Glume Blotch</td>
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<tr>
<td>Scab (Fusarium)</td>
<td>Apply Control early Next Week</td>
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<tr>
<td>Barley Yellow Dwarf Virus</td>
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</table>

Comments:
**WHEAT INSECT AND DISEASE REPORT**

**Observation Date:** 6/13/2019  
**Crop Stage:** First Flower  
**Plant Height:** 30”  
**Field Name:** Non-Irrigated  
**Grower:**  

**Ave (n=5) Stand Count:**  
**Soil Moisture:** 80%  
**Time:**  
**Temp.:**  

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

### INSECT SPECIES

<table>
<thead>
<tr>
<th>Insect Species</th>
<th>Evaluation</th>
<th>Dist. (S-G)</th>
<th>Level (LMH)</th>
<th>THRESHOLD actual proj.</th>
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<tr>
<td>Armyworm</td>
<td>% plts affected</td>
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<tr>
<td>Grain Aphids</td>
<td>% plts affected</td>
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<tr>
<td>Cereal Leaf Beetle (Adults)</td>
<td>% plts affected</td>
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<tr>
<td>Grasshoppers</td>
<td>% plts affected</td>
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<tr>
<td>Spider Mites</td>
<td>% plts affected</td>
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<td>Other</td>
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### DISEASES

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<th>Disease</th>
<th>PLT/PART Affected (sampled)</th>
<th>GR. REGION Affected (range)</th>
<th>EVALUATION % Plts. Aff. 20X5</th>
<th>THRESHOLD B/N/A</th>
<th>DIST. G/S/L</th>
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<td>Powdery Mildew</td>
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<td>Rust</td>
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<td>Root Infections</td>
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<td>Scab (Fusarium)</td>
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<td>Barley Yellow Dwarf Virus</td>
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<td>Spindle Streak Virus</td>
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**Comments:**

Apply control early next week.