

Crop Scouting Update: May 20, 2024

Weather Station According to the Lamar Weather Station, the temperature reached a low of 63.7°F and a high of 84.3 °F. Lamar received a total of 0.60 inches of rain between 5/15/24 and 5/19/24. More rain/thunderstorms are forecasted for the next 7 days.



Wheat Three wheat fields were checked in the southwest corner of Barton County. Wheat is starting to turn yellow towards harvest color. Wheat was around 32 to 40 inches tall and kernel development (milky/soft dough stage). Fusarium head blight was very noticeable in all three fields. The farmer stated that fields were sprayed with Mavaris Ace around 3 weeks ago, but it was applied aerially because ground spraying was not an option. Field two had some significant lodging in a long path was noticed possibly from wind or excess soil moisture. Lodging was also noticed in spots in other fields. All three fields show some disease on leaves possibly caused by *Septoria* or *Stagonospora*. Glume blotch was also noticed on some heads, most noticeably in field 3. Also, a possible area affected by Take-All was noticed.



Fusarium Head Blight



Lodging wheat



Septoria or Stagonospora on leaves?



Glume Blotch



Possibly some Take-All disease present

Corn Two corn fields were scouted. Fields soil was very moist, but walkable. Both fields showed areas where corn were light green or yellowing lower leaves possibly from nitrogen loss/deficiency (see pictures below). This yellowing could be seen from the road. Plants that were dark green were significantly taller (15-20 inches) than light green/yellowing plants which were 6 to 10 inches tall. This yellowing could be seen in other corn fields as well in the area. Majority of fields appeared weed free except in one field that had significant amount of grass weeds possibly foxtail growing where corn was growing greener and taller (see last picture). Nitrogen side dressing is suggested for these fields once weather allows. Also, grassy weeds should be sprayed.



Best Management Practices for Nitrogen Fertilizer in Missouri

<https://extension.missouri.edu/publications/ipm1027>

Scouting for Fusarium Head Blight (FHB) and Harvest Considerations

<https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pub/pdf/agguides/crops/g04351.pdf>

Fungal Leaf-Spotting Diseases of Wheat: Septoria Blotch, Stagonospora Blotch and Tan Spot

<https://www.uaex.uada.edu/publications/pdf/FSA-7544.pdf>

Distinguishing between Head Disorders of Wheat

<https://extensionpubs.unl.edu/publication/ec1872/pdf/view/ec1872-2010.pdf>

Take-All of Wheat <https://plantpathology.ca.uky.edu/files/ppfs-ag-sg-01.pdf>

Take-All Root Rot <https://www.plantpath.k-state.edu/extension/wheat-and-forages/documents/wheat-take-all-root-rot-ep1681.pdf>

Micah Doubledee

Field Specialist in Agronomy

MU Extension in Barton County

801 East 12th Street Lamar, MO 64759

mdoubledee@missouri.edu 417-682-3579

Join Weekly Crop Scouting Program <https://extension.missouri.edu/events/weekly-crop-scouting-update>