

Wheat Disease Update – 12 April 2019  
Bob Hunger, Extension Wheat Pathologist  
Department of Entomology & Plant Pathology  
Oklahoma State University - 127 Noble Research Center  
405-744-9958

During this past week, the first observation of stripe rust was made in Oklahoma in southern/southwestern Oklahoma in Jackson County where Gary Strickland (Extn Educator; Jackson County in SW OK) and Mike Schulz (Altus Station Superintendent) found a low incidence of this rust on wheat (Figure 1) in a variety demo and in a producer's field. Leaf rust also was observed at a low incidence as was leaf spotting due to *Septoria/Stagonospora*. David Nowlin (Extn. Educator; Caddo County in central Oklahoma) also continued to observe leaf spotting. In scouting variety demos in Washita and Kiowa Counties, Heath Sanders (SW Area Extn Agron Speclst) did not find any powdery mildew, leaf rust or stripe rust. Around Stillwater, not much has changed. Wheat is mostly between growth stages 8-9 (flag leaves emerging to flag leaves fully emerged). I can still find hot spots of aphids (primarily bird cherry-oat aphids) along with scattered powdery mildew and a low incidence of leaf rust. Leaf spot diseases also are scattered and only on lower leaves. Finding stripe rust this late and at this low of an incidence typically indicates that stripe rust will not be much of a problem this year in Oklahoma especially when coupled with limited reports of this rust in Texas. However, leaf rust still has plenty of time to develop, especially if temperature and free moisture on leaves continues to be favorable.

Figure 1. Low incidence of stripe rust on winter wheat in Jackson County (southwestern Oklahoma) as observed by Gary Strickland (Extn Educator; Jackson County in SW OK) and Mike Schulz (Altus Station Superintendent).



Dr. Bob Hunger  
Professor & Extension Wheat Pathologist  
Department of Entomology & Plant Pathology  
127 Noble Research Center  
Oklahoma State University  
Stillwater, OK 74078  
405-744-9958 (work)  
405-744-6039 (FAX)  
[Bob.hunger@okstate.edu](mailto:Bob.hunger@okstate.edu)