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COLORADO WHEAT DISEASE NEWSLETTER

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DISEASE OBSERVATIONS

There is still little disease activity in Colorado. There are reports of mosaic virus-like symptoms from Sedgwick county, but no stripe rust or other fungal diseases to report.

DISEASE WATCH AND MANAGEMENT

Stripe Rust

The conditions in much of Colorado have been ideal for stripe rust development this past week (extended drizzle/rain and cool temperatures), so keep an eye out for stripe rust development. However, because the disease incidence and severity has been low to moderate in Texas and Oklahoma, where the stripe rust spores come from, I expect that stripe rust incidence and severity in Colorado will remain low. For stripe rust to develop in Colorado, there needs to be a lot of disease pressure in the south that brings the spores up to Colorado in wind currents, and then the weather conditions here must be ideal for disease development. Since there hasn't been a lot of stripe rust disease in the south, the number of spores making it up to Colorado will likely be limited. However, there are many factors involved in disease development, so keep an eye out for stripe rust.

Viruses

Keep an eye out for mosaic viruses, especially in stressed fields. Feel free to send me photos if you think your field is showing virus symptoms.

Growers are strongly encouraged to regularly scout wheat fields for diseases. Particularly, scout for stripe rust and viruses in the coming weeks.

The **Colorado Wheat Entomology Newsletter**, written by Dr. Punya Nachappa and Darren Cockrell, covers insect/mite pests and management tips. The newsletters are published bi-weekly during the growing season and are available here: <https://coloradowheat.org/category/news-events/wheat-pest-and-disease-update/>

Do you have a disease that you would like diagnosed? Contact the **Plant Diagnostic Clinic** for sample submission: <https://plantclinic.agsci.colostate.edu/> or plantlab@colostate.edu.

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Additional resources

1. Information about the 'green bridge' and risks for viral diseases due to volunteer wheat:
https://eupdate.agronomy.ksu.edu/article_new/spring-emerged-volunteer-wheat-should-producers-worry-about-wheat-streak-mosaic-virus-and-the-green-bridge-436-4
2. The North Central Regional Committee on Management of Small Grain Diseases (NCERA-184) Fungicide Efficacy for Control of Wheat Diseases Table: <https://crop-protection-network.s3.amazonaws.com/publications/fungicide-efficacy-for-control-of-wheat-diseases-filename-2021-04-21-154024.pdf>
3. Wheat variety database with stripe rust resistance ratings from field trials:
<https://wheat.agsci.colostate.edu/database/>
4. 'Making Better Decisions' 2021 Colorado Wheat Field Days publication:
https://webdoc.agsci.colostate.edu/csucrops/reports/winterwheat/wheatreport_2021_WFD.pdf

CONTRIBUTORS

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