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April 10, 2024

To: Oregon Wheat Growers and Industry Representatives

Re: Eastern Oregon Stripe Rust Update

From: Christina Hagerty, Chris Mundt, Ryan Graebner

Dear Growers and Stakeholders,

Stripe rust has been observed in the Cereal Pathology's rust nursery at the Columbia Basin Agricultural Research Center in Pendleton on a highly stripe rust susceptible experimental cultivar.

Growers should scout fields, particularly if known susceptible cultivars (e.g., LCS Dagger AX, UI Magic CL+) are planted. CoAxiom cultivars are based on stripe rust susceptible backgrounds and some newer releases have unknown stripe rust susceptibility. Thus, CoAxiom cultivars should be monitored very closely.

If stripe rust is found, a fungicide application is recommended. Conditions for stripe rust have been favorable in eastern Oregon.

Rust can increase very quickly and it is important to not let stripe rust build to high levels. For highly susceptible varieties, it is best to spray when rust is first found, rather than wait for flag leaf emergence. Timing of a fungicide application is generally more important than the fungicide product applied.

Less expensive fungicide products (triazoles) should give adequate control if applied in a timely manner. Fungicides containing both a triazole and a strobilurin can sometimes give better and more prolonged control under severe rust conditions but are more expensive. We do not have data to support that SDHI fungicides give better control on stripe rust than a triazole/strobilurin mix. Choice of product will thus depend on susceptibility of your variety, yield potential of your crop, chemical price, and available funds.

Please do not hesitate to reach out if you have questions or concerns.



Stripe rust on an a highly susceptible experimental winter wheat cultivar observed April 10<sup>th</sup> 2024, Umatilla County, OR. Rust is a biotroph; it needs living tissue to replicate.