

2018 Foliar Fungicide Efficacy Trial on ‘WB 4303’ Hard Red Winter Wheat in College Station, TX

Table 1. Treatments used in 2018 wheat fungicide efficacy trial.

	Treatment	Rate	Unit	Application Timing[‡]	Company
1	Absolute Maxx (500) NIS	4.0 0.25	FL OZ/A % V/V	Flag Leaf	Bayer
2	Alto NIS	4.0 0.25	FL OZ/A % V/V	Flag Leaf	Syngenta
3	Alto NIS Trivapro COC	3.0 0.25 13.7 1.0	FL OZ/A % V/V FL OZ/A % V/V	Topdress fb Flag Leaf	Syngenta
4	Approach Prima NIS	6.8 0.25	FL OZ/A % V/V	Flag Leaf	Corteva
5	Nexicor NIS	7.0 0.25	FL OZ/A % V/V	Flag Leaf	BASF
6	Nexicor NIS	7.0 0.25	FL OZ/A % V/V	Heading	BASF
7	Nexicor NIS Nexicor NIS	3.5 0.25 7.0 0.25	FL OZ/A % V/V FL OZ/A % V/V	Topdress fb Flag Leaf	BASF
8	Potash (KCL)	42.5	LB/A	Topdress	--
9	Prosaro NIS	6.5 0.25	FL OZ/A % V/V	Flag Leaf	Bayer
10	Tebustar 3.6L NIS	4.0 0.25	FL OZ/A % V/V	Flag Leaf	Albaugh
11	Tilt NIS Tebustar 3.6L NIS	4.0 0.25 4.0 0.25	FL OZ/A % V/V FL OZ/A % V/V	Topdress fb Flag Leaf	Syngenta Albaugh
12	Trivapro COC	13.7 1.0	FL OZ/A % V/V	Flag Leaf	Syngenta
13	Trivapro COC Trivapro COC	9.0 1.0 13.7 1.0	FL OZ/A % V/V FL OZ/A % V/V	Topdress fb Flag Leaf	Syngenta
14	Untreated Control	--		--	--

[‡]Topdress, flag leaf, and heading applications occurred March 2, March 21, and March 28, respectively.

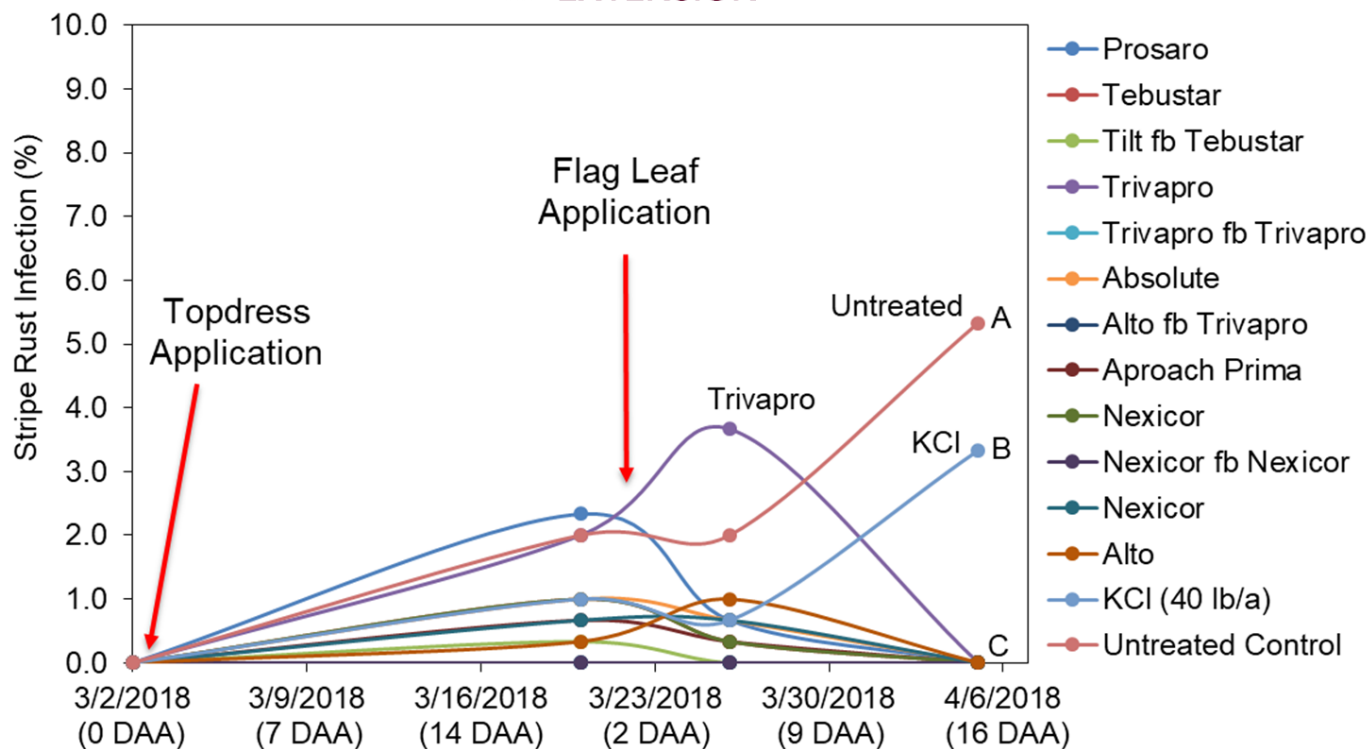


Figure 1. Stripe rust infection level over time on the F1 leaf of HRWW ‘WB 4303’ in College Station, TX in spring 2018 based on fungicide treatment. Different letters indicate significant difference ($P < 0.05$) among treatments on April 5. Stripe rust shut down before reaching the flag leaf, so data not available for flag leaf ratings. (DAA=Days after application)

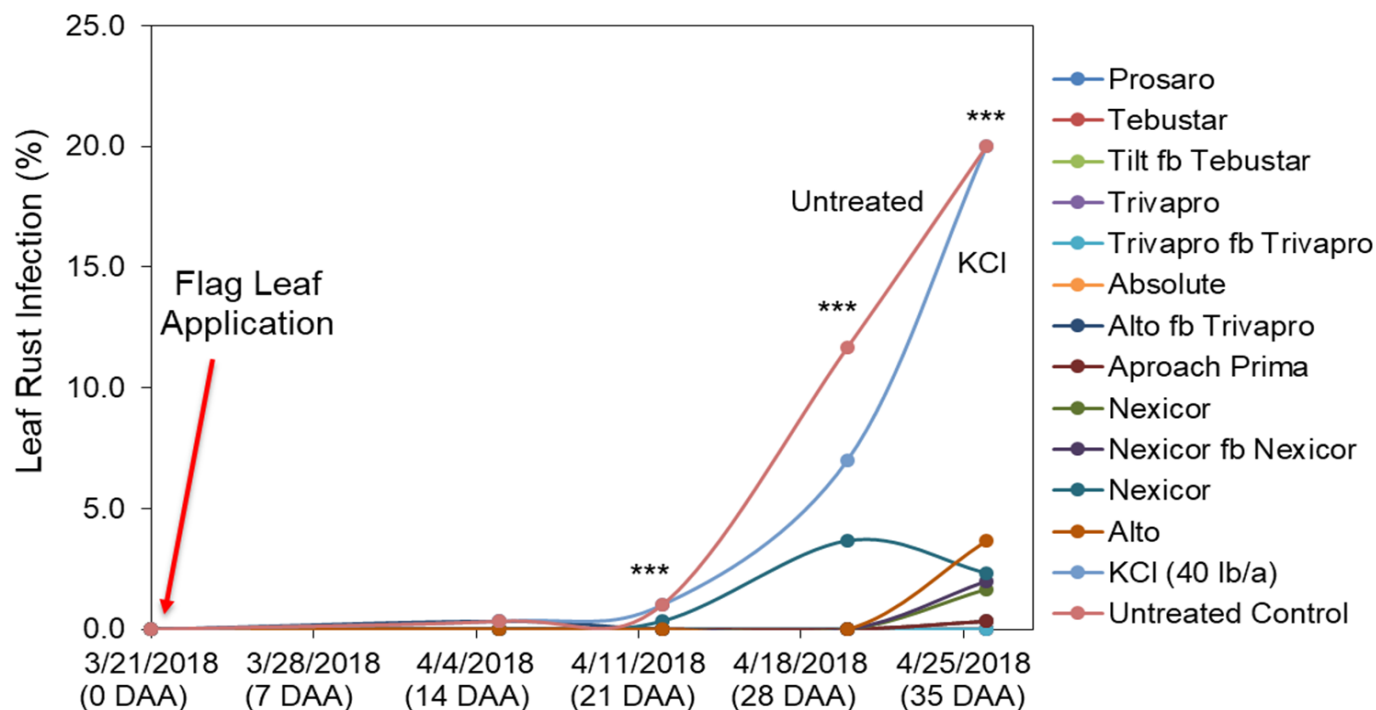


Figure 2. Leaf rust infection level over time on the flag leaf of HRWW ‘WB 4303’ in College Station, TX in spring 2018 based on fungicide treatment. *** indicates significant difference among treatments. (DAA=Days after application)

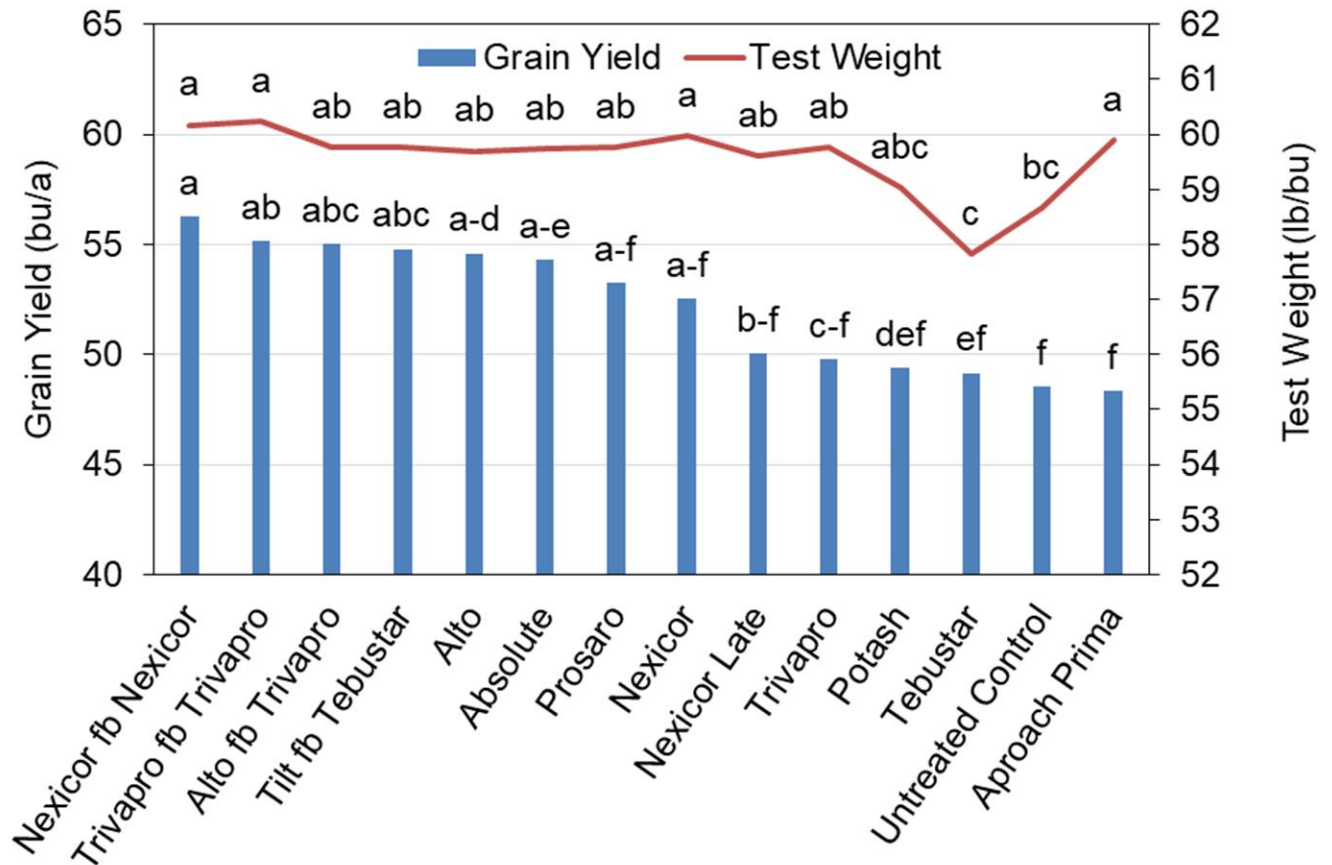


Figure 3. The impact of fungicide treatment on grain yield and test weight of HRWW ‘WB 4303’ in College Station, TX in 2018. Different letters indicate significant difference ($P < 0.05$) among treatments.

For further information, view Texas A&M AgriLife wheat info. at <http://varietytesting.tamu.edu/wheat> as well as the following individuals/Center websites:

- Central (Blacklands), Northeast, and South Texas: Dr. Clark Neely, State Extension Small Grains Specialist, College Station, (979) 862-1412, cbneely@tamu.edu
- Texas Panhandle: Dr. Jourdan Bell, Extension Agronomist, Amarillo, (806) 677-5600, jourdan.bell@ag.tamu.edu (<http://amarillo.tamu.edu>)
- Texas South Plains: Dr. Calvin Trostle, Extension Agronomist, Lubbock, (806) 746-6101, ctrostle@ag.tamu.edu (<http://lubbock.tamu.edu>)
- Northern/Southern Rolling Plains: Dr. Emi Kimura, Extension Agronomist, Vernon, (940) 552-9941, emi.kimura@ag.tamu.edu (<http://vernon.tamu.edu>)
- South Texas: Dr. Joshua McGinty, Extension Agronomist, Corpus Christi, (361) 265-9203, joshua.mcginity@ag.tamu.edu (<http://agrilife.org/coastalbend>)
- Southern Rolling Plains/Concho Valley: Dr. Reagan Noland, Extension Agronomist, San Angelo, (325) 653-4576, reagan.noland@ag.tamu.edu (<http://sanangelo.tamu.edu>)