HRS Wheat response to early-season foliar fungicide, Wishek, 2007

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The objective of this study was to measure the response to early-season foliar fungicide by HRS wheat on previous-year broadleaf crop ground. The HRS wheat variety trial was direct seeded at 1.2 million PLS/A on April 24 with soybean as the previous crop at the NDSU Carrington Research Extension Center Tri-County off-station trial site near Wishek. Headline at 3 fl oz/A + NIS at 0.125% v/v was applied on May 31 to two of four replications of the trial across 22 varieties in the tillering stage using a tractor-mounted sprayer with 8002 flat-fan nozzles delivering 12 gal/A at 30 psi. The trial was harvested with a plot combine on August 13.

Test weight and seed weight improved with the fungicide compared to the untreated check. Also, grain yield tended to improve.

Table. HRS wheat response to early-season fungicide, Wishek, 2007.

Treatment[1]	Flag leaf disease	Yield	Test Weight	1000 KWT	Protein
	%	bu/A	lb/bu	g	%
fungicide	35	39.5	59.6	31.62	14.9
untreated check	38	37.5	59.3	30.81	15.0
mean	37	38.5	59.4	31.21	15.0
C.V. (%)	35.9	14.9	1.2	3.8	2.0
LSD (0.05)	NS	NS	0.3	0.5	NS

[1]Fungicide=Headline at 3 fl oz/A + NIS at 0.125% v/v to wheat in the Feekes 2-4 stages.