

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

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The objective of this study was to measure the response to early-season foliar fungicide by HRS wheat on ground that previously produced a broadleaf crop. The HRS wheat variety trial was seeded on conventional-till ground with soybean as the previous crop at 1.2 million PLS/A on April 26 at the NDSU Carrington Research Extension Center Barnes County off-station trial site near Dazey. Headline at 3 fl oz/A + NIS at 0.125% v/v was applied on May 27 to two of four replications of the trial across 32 varieties in the ting 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 9.

Grain yield improved by 2.2 bu/A (3%) with the fungicide compared to the untreated check (table). Also, there was a slight increase in protein with the fungicide compared to the untreated check.

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

Treatment ¹	Yield bu/A	Test Weight lb/bu	1000 KWT g	Protein %
fungicide	65.3	60.2	32.34	14.5
untreated check	63.1	60.5	32.33	14.3
mean	64.2	60.4	32.33	14.4
C.V. (%)	7.2	1.1	3.2	1.7
LSD (0.05)	1.6	0.2	NS	0.1

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