

HRS Wheat response to early-season foliar fungicide, Dazey, 2006. (Greg Endres and Blaine Schatz)

The objective of this study was to measure the response to early-season foliar fungicide by HRS wheat grown on ground previously grown to 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, 2006 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 June 8 to two of four replications of the trial across 36 varieties in the early-jointing stage with a hand-boom sprayer with XR 80015 flat-fan nozzles delivering 10 gal/A at 30 psi with 55 F, 69% RH, and 12 mph wind. The trial was harvested with a plot combine on August 7.

Grain yield, test weight, and seed weight tended to increase with the fungicide compared to the untreated check (table).

Table. HRS wheat response to early-season fungicide, Dazey, 2006.

Treatment <sup>1</sup>	Yield bu/A	Test weight lb/bu	1000 kwt g	Protein %
fungicide	73.9	62.3	7.85	13.8
untreated check	71.4	61.6	7.75	13.9
mean	72.7	61.9	7.80	13.9
C.V. (%)	13.4	3.0	7.8	5.5
LSD (0.05)	NS	NS	NS	NS

<sup>1</sup>Fungicide=Headline at 3 fl oz/A + NIS at 0.125% v/v to wheat in the Feekes 6-7 stages.