

Barley response to early-season foliar fungicide, Dazey, 2007

Greg Endres, Tim Indergaard, and Blaine Schatz

The objective of this study was to measure barley response to early-season foliar fungicide. The barley variety trial was seeded at 1 million PLS/A on April 26 on field pea ground 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 13 varieties in the 6-leaf 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 July 29.

Barley did not respond with fungicide compared to the untreated check (Table).

Table. Barley response to early-season fungicide, Dazey, 2007.

Treatment ¹	Heading Date Jday	Yield bu/A	Test Weight lb/bu	Protein %	Plump Kernel %	Thin Kernel %
fungicide	166	97.6	45.7	12.6	86.1	1.1
untreated check	166	97.3	46.1	12.6	89.2	1.3
mean	166	97.4	45.9	12.6	87.60	1.2
C.V. (%)	0.7	8.9	2.0	2.9	7.0	44.4
LSD (0.05)	NS	NS	NS	NS	NS	NS

¹Fungicide=Headline at 3 fl oz/A + NIS at 0.125% v/v to barley in the Feekes 7 stage.