

Soybean response to Headline foliar fungicide, Dazey, 2007

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The objective of this study was to measure soybean response to Headline fungicide. The soybean variety trial was established on previous spring wheat ground using conventional tillage at the NDSU Carrington Research Extension Center Barnes County off-station trial site near Dazey. The trial was planted at 200,000 PLS/A with 7-inch row spacing on May 17, 2007. Headline at 6 fl oz/A + NIS (Preference) at 0.125% v/v was applied on July 6 to two of four replications of the trial across 10 varieties in the R1 (first flower) stage with a tractor-mounted sprayer with 8002 nozzles delivering 14 gal/A at 30 psi with 74 F, 68% RH, and 8 mph wind. The trial was harvested with a plot combine on October 3.

Plant development, seed yield, and seed quality were similar with Headline and the untreated check (Table).

Table. Soybean response to Headline foliar fungicide, Dazey, 2007.

Treatment ¹	PM Jday	Yield bu/A	Test Weight lb/bu	Seeds/lb	Protein %	Oil %
Headline	251	55.2	58.2	3350	31.9	18.2
untreated check	251	55.3	58.2	3375	32	18.3
C.V. (%)	0.5	7.3	0.6	3.7	1.3	1.0
LSD (0.05)	NS	NS	NS	NS	NS	NS

¹Headline = 6 fl oz/A + NIS at 0.125% v/v to soybean in the R1 stage.