Soybean response to Headline foliar fungicide, Wishek, 2007

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The objective of this study was to measure soybean response to Headline fungicide. The soybean variety trial was direct-seeded into small grain wheat stubble at 200,000 PLS/A (inoculated) with 7-inch row spacing on May 21, 2007 at the NDSU Carrington Research Extension Center Tri County off-station trial site near Wishek. Headline at 6 fl oz/A + NIS at 0.125% v/v was applied on July 9 to two of four replications of the trial across 24 varieties in the R1 (first flower) stage with a tractor-mounted sprayer with 80015 nozzles delivering 10 gal/A at 30 psi with 79° F, 45% RH, and 7 mph wind. The trial was harvested with a plot combine on October 15.

Soybean maturity was delayed two days and seed size was slightly larger with Headline compared to the untreated check (Table). Seed yield tended to increase with Headline. Test weight, and seed protein and oil were not increased with Headline.

Table. Soybean response to Headline foliar fungicide, Wishek.

Treatment[1]	PM	Yield	Test Weight	Seeds/lb	Protein	Oil
	days	bu/A	lb/bu		%	%
Headline	263	39.0	55.5	2692	34.2	17.6
untreated check	261	37.1	55.5	2740	34.3	17.6
C.V. (%)	0.4	14.6	0.9	2.6	1.4	1.4
LSD (0.05)	1	NS	NS	29	NS	NS

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