

Corn response to Headline fungicide, Carrington, 2007

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An objective of this study was to measure corn response to Headline fungicide. The conventional-till, irrigated field trial with soybean as the previous crop was established at the NDSU Carrington Research Extension Center primarily to test 12 zinc treatments. DeKalb 'DKC38-33' was planted in 30-inch row spacing on May 11 and thinned to about 27,000 plants/acre on June 22. Headline at 6 fl oz/A + Induce (NIS) at 0.125% v/v was applied on July 27 to two of four replications of the trial in the VT (tassel) stage using a hand-boom sprayer with 8002 twin jet nozzles delivering 16 gal/A at 35 psi with 75 F, 57% RH, and 3 mph wind. The trial was harvested with a plot combine on November 8.

No statistical differences occurred with corn treated with Headline compared to the untreated check (Table). Seed yield tended to increase with Headline.

Table.

Treatment ¹	Silk date Jday	Yield bu/A	Test weight lb/bu	Seed moisture	Seed protein %	Seed starch
Headline	209	158.8	56.5	21.9	8.8	70.2
untreated check	209	151.7	56.3	22.1	8.7	70.0
C.V. (%)	0.5	15.8	2.4	6.1	4.4	0.8
LSD (0.05)	NS	NS	NS	NS	NS	NS

¹Headline = 6 fl oz/A + NIS at 0.125% v/v to VT stage corn.