

**North Central Research Extension Center—Minot
2010 BASF HRSW Early Season Fungicide Efficacy Trial**

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Trial information

- Design: RCB with four replicates
- Plot size: 10' x 18'
Planting Date/Rate/Variety: May 13, 1.3 M PLS per acre, RB07
- Previous Crop/Tillage: Wheat/Fall tilled with chisel plow spikes
- Seeding System: air hoe drill on 9 inch spacing
- Fertility: 217 lb/acre fall applied urea
- Treatment Application Date: June 15
- Application Equipment: CO₂ pressurized hand boom with 8001 flat fans @ 40 psi and 10 GPA
- Weed Control: 1.7 pt/acre Wolverine applied as a tank mix with fungicide treatments
- Harvest Date: September 20

Treatment	Timing	Rate fl oz/A	Leaf	Flag Leaf	Test		
			Disease ¹ -----% plot severity----- <i>2-Jul</i>	Disease <i>30-Jul</i>	Weight lb/bu	Protein %	Yield bu/A
Untreated	--	--	27.5	76.3	58.0	14.1	50.9
Headline	4-5 leaf	3.0	12.5	57.5	58.2	14.2	56.9
Headline SC	4-5 leaf	3.0	11.3	58.8	58.1	14.1	55.4
Quilt	4-5 leaf	7.0	15.0	58.8	58.2	14.3	55.9
Tilt	4-5 leaf	2.0	20.0	72.5	58.1	14.2	52.3
LSD 5%	--	--	3.2	8.3	NS	NS	3.1
C.V.%	--	--	13.0	8.5	0.3	3.0	3.7
Mean	--	--	16.3	64.4	58.1	14.2	54.4

Spring soil test results (4/26/2010 sampling date): N= 143 lb/a (0-24"), P = 23ppm (0-6"), K = 440 ppm (0-6"), S = 46 lb/a (0-24"), OM = 5.6%

¹ Leaf disease ratings based on visual evaluation of disease severity in the plot