

**North Central Research Extension Center—Minot
Winter Wheat Variety by Fungicide Trial—Roseglen**

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The objectives of this trial were to evaluate winter wheat variety response to fungal leaf diseases with and without a fungicide application. The trial was no-till planted September 21, 2006 with spring wheat the previous crop. Treatments were arranged in a randomized complete block and replicated four times. Prosaro at 6.5 fl oz/A was applied June 11 when varieties were 100% headed to early flower. Prosaro is closely equivalent to 3 fl oz/A of Proline and 3 fl oz/A of Folicur. Leaf rust and leaf spot incidence of 2 to 5% were present on the flag leaves when Prosaro was applied on June 11. Leaf spot and rust were evaluated June 29. Scab was also rated on June 29. Scab ratings were very low and had no impact on the trial. Plots were harvested July 21.

Variety	Yield		Test Weight		Leaf Rust		Leaf Spot	
	Untreated	Prosaro*	Untreated	Prosaro*	Untreated	Prosaro*	Untreated	Prosaro*
	-----bu/A-----		-----lb/bu-----		-----% on Flag-----			
Alice	53.2	70.1	55.1	58.3	6.3	0.0	37.4	5.2
CDC Buteo	37.8	55.9	55.7	57.1	7.2	0.0	34.2	2.2
CDC Falcon	36.5	56.2	54.3	56.6	7.9	0.0	43.0	3.0
Darrell	51.3	64.1	56.6	58.0	17.2	0.0	30.6	4.6
Jagalene	37.1	60.4	55.2	58.6	39.5	1.3	41.7	3.6
Jerry	48.0	64.7	54.8	58.3	0.0	0.0	22.3	1.3
Millennium	54.0	61.7	56.4	58.0	0.0	0.0	19.3	1.2
Norris	41.2	55.4	54.7	57.2	7.0	0.0	31.9	3.3
Radiant	35.1	58.0	53.5	56.2	36.0	0.0	27.2	2.4
Yellowstone	44.1	57.9	53.8	56.6	43.3	1.8	30.0	2.6
LSD 5%	6.9	6.9	1.0	1.0	3.1	3.1	2.7	2.7
Mean	43.8	60.4	55.0	57.5	--	--	--	--

**Prosaro is closely equivalent to 3 fl oz/A Proline + 3 fl oz/A Folicur. Prosaro was applied when varieties were 100% headed to early flower.*