

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

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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 26, 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 15 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 spot incidence of 2 to 5% and a trace of leaf rust were present on the flag leaves when Prosaro was applied on June 15. Leaf spot and rust were evaluated July 3. Scab was also rated on July 3. Scab ratings were very low and had no impact on the trial. Plots were harvested August 2.

Variety	Yield		Test Weight		Leaf Rust		Leaf Spot	
	Untreated	Prosaro*	Untreated	Prosaro*	Untreated	Prosaro*	Untreated	Prosaro*
	-----bu/A-----		-----lb/bu-----		-----% on Flag-----			
Alice	62.6	79.3	61.2	63.2	5.0	1.3	57.2	8.5
CDC Buteo	65.9	74.1	64.0	64.3	5.9	1.8	46.4	4.3
CDC Falcon	48.2	68.9	60.1	62.1	5.1	1.8	56.9	4.6
Darrell	81.2	87.9	62.6	63.4	4.6	1.1	29.4	5.7
Jagalene	57.4	80.1	61.7	64.2	26.3	1.9	51.8	7.2
Jerry	68.3	79.1	61.4	62.0	0.0	0.0	28.2	3.6
Millennium	77.2	86.6	63.5	63.4	0.0	0.0	26.4	2.2
Norris	56.3	71.7	61.7	63.6	4.1	1.4	33.1	4.2
Radiant	51.9	68.9	60.9	62.3	6.5	1.5	34.1	4.6
Yellowstone	51.1	74.3	58.9	60.8	6.2	1.7	32.6	4.5
LSD 5%	7.8	7.8	0.7	0.7	1.5	1.5	2.7	2.7
Mean	62.0	77.1	61.6	62.9	--	--	--	--

*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.