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Recommended Citation
Skrdla, Ronald and Jannink, Jean-Luc, "Winter Triticale Variety Test" (2006). *Iowa State Research Farm Progress Reports*. 1128.
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Winter Triticale Variety Test

Abstract
Twelve varieties were included in the 2005 winter triticale variety test at Sutherland. Each variety was sown in three different plots to average the effects of soil variability. The varieties were planted October 5, 2004, at a rate of 1 1/2 bushels/acre. All winter triticale plots were harvested on July 11.

Keywords
Agronomy

Disciplines
Agricultural Science | Agriculture | Agronomy and Crop Sciences

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Winter Triticale Variety Test

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Materials and Methods

Twelve varieties were included in the 2005 winter triticale variety test at Sutherland. Each variety was sown in three different plots to average the effects of soil variability. The varieties were planted October 5, 2004, at a rate of 1 1/2 bushels/acre. All winter triticale plots were harvested on July 11.

Results and Discussion

Winter triticale yields averaged 50.0 bushels/acre in 2005, which is 25.7 bushels/acre lower than the statewide long-term average (Table 1). NE426GT was the highest-yielding line, based on the long- term average, while Décor had the highest test weight across all locations for the lines that were tested in 2005.

Additional information on barley variety tests in the state can be found in the publication "Iowa Crop Performance Tests—Winter Wheat and Winter Triticale, 2005" which is available from county extension offices (Pm-1645) and at www.public.iastate.edu\~jjannink\.

Table 1. Performance of winter triticale varieties tested at Sutherland in 2005.

	Yield				
Variety	2005	Long-term avg.	Test weight[1] (lb/bu)	Heading date[2] (May)	Plant height[3] (in.)
Alzo	48.9	74.8	47.7	24.0	40.5
Arapahoe[4]	39.8	63.9	55.4	22.7	34.0
Danko Presto	47.5	76.4	49.0	19.4	44.3
Décor	53.7	75.0	51.2	20.7	37.6
Kitaro	45.1	79.8	50.7	21.4	39.7
Lamberto	50.9	74.5	48.4	23.0	39.9
NE422T	47.7	77.3	48.7	30.2	56.2
NE426GT	66.2	94.7	50.4	20.1	44.9
Pika	21.0	51.7	47.3	32.8	53.9
Sorento	59.9	82.4	47.7	22.7	40.5
Trical 336	38.5	69.6	48.0	21.4	43.0
Trical 815	60.3	80.9	48.1	22.3	44.6
Vero	70.2	81.2	49.5	22.3	42.3
Average	50.0	75.7	49.4	23.3	43.2
LSD (0.05)[5]	14.2	8.4	3.2	3.4	5.2

[1]Test weight is an average from three sites.
[2]Data were collected at Ames only and were recorded after May 1.
[3]Height was measured at Ames.
[4]Arapahoe, a winter wheat variety, was used as a check.
[5]LSD=least significant difference. When entries differ by an amount equal to one LSD or more, they are considered to be in different classes with 95% certainty.