

Winter Triticale Variety Test

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Materials and Methods

Twelve varieties were included in the 2006 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 3, 2005 at a rate of 1½ bushels/acre. All winter triticale plots were harvested on July 18.

Results and Discussion

Winter triticale yields averaged 94.9 bushels/acre in 2006, which is 27.3 bushels/acre more 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 2006.

Additional information on barley variety tests in the state can be found in the publication, “Iowa Crop Performance Tests—Winter Wheat and Winter Triticale, 2006,” 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 2006.

Variety	Yield				
	2006	Long-term avg.	Test weight ¹ (lb/bu)	Heading date ² (May)	Plant height ³ (in.)
Alzo	82.8	64.0	51.1	26.0	37.9
Arapahoe ⁴	94.8	57.7	58.2	26.0	33.8
Danko Presto	92.3	67.4	54.4	22.4	40.3
Décor	96.7	69.3	56.9	20.4	38.8
Kitaro	103.7	70.9	55.8	23.0	36.1
Lamberto	107.7	73.9	53.8	25.0	38.1
NE422T	88.2	64.7	54.1	29.3	48.2
NE426GT	111.0	78.3	53.8	22.7	39.3
Pika	83.6	54.9	54.7	34.8	51.3
Sorento	99.3	73.9	52.8	24.7	38.4
Trical 336	86.6	61.6	53.8	23.0	40.4
Trical 815	104.1	72.9	53.6	23.7	40.3
Vero	83.0	70.4	53.2	24.0	41.2
Average	94.9	67.6	54.3	25.0	40.3
LSD(0.05) ⁵	11.3	10.5	2.5	3.2	4.3

¹Test weight—average from three sites.

²Data collected at Ames only recorded as date after May 1.

³Height—measured at Ames.

⁴Arapahoe—winter wheat variety used as a check.

⁵LSD=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.