

Winter Triticale Variety Test

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Materials and Methods

Thirteen varieties were included in the 2004 winter triticale variety test at Crawfordsville. Each variety was sown in three different plots to average the effects of soil variability. The varieties were planted September 30, 2003, at a rate of 1.5 bushels/acre. The triticale plots were harvested on July 12.

Results

Average winter triticale grain yield at Crawfordsville in 2004 was 47 bushels/acre, 31 bushels/acre less than the long-term average yield shown in Table 1. Based on the long-term data, NE426GT was the highest-yielding variety. Décor had the highest test weight in 2004.

Additional information on winter triticale variety tests in the state can be found in the publication, "Iowa Crop Performance Tests—Winter Wheat, 1998–2004, and Winter Triticale, 2002–2004," which is available from county extension offices (AG-6) and at www.public.iastate.edu/~jjannink/.

Table 1. Performance of winter triticale varieties tested at Crawfordsville.

Variety	Grain Yields ¹ (bu/A)		Head date (May) ²	Lodging score	Plant height (in.)	Test weight (lb/bu) ³
	2004	Long-term				
Arapahoe (check) ³	58	68	24	9.9	28.6	57.9
Jagger (check)	47	74	20	26.9	27.2	55.3
Danko Presto	45	80	25	26.7	35.9	47.7
Décor	48	79	22	8.6	31.4	50.6
Kitaro	41	83	26	30.6	35.0	47.0
Lamberto	36	77	28	26.7	33.5	45.7
NE426GT	57	91	23	13.8	36.0	48.3
Roughrider	48	74	24	7.3	36.1	45.7
Sorento	40	85	30	15.0	36.4	44.6
Trical	26	66	33	26.9	49.9	45.4
Trical 336	39	76	29	13.8	33.8	45.4
Trical 815	46	80	26	11.2	37.7	45.7
Vero	52	81	27	13.8	35.2	47.3
Mean	47	78	25	26.9	38.4	47.1
LSD ⁴	9	10	3	44.8	3.2	2.5

¹ Bushels per acre given using a 60-lb bushel.

² Heading date and plant height data from Ames, 2004.

³ Test weight – 2004 average from three sites.

⁴ 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.