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Winter Triticale Variety Test

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Winter Triticale Variety Test

Abstract

Twelve varieties were included in the 2005 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 21, 2004 at a rate of 1 1/2 bushels/acre. All winter triticale plots were harvested on July 7.

Keywords

Agronomy

Disciplines

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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 Crawfordsville. Each variety was sown in three different plots to average the effects of soil variability. The varieties were planted September 21, 2004 at a rate of 1 1/2 bushels/acre. All winter triticale plots were harvested on July 7.

Results and Discussion

Winter triticale yields averaged 71.3 bushels/acre in 2005, which is 11.1 bushels/acre lower than the 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 Crawfordsville in 2005.

Variety	Yield				
	2005	Long-term avg.	Test weight ¹ (lb/bu)	Heading date ² (May)	Plant height ³ (in.)
Alzo	67.9	84.1	47.7	24.0	40.5
Arapahoe ⁴	67.4	79.1	55.4	22.7	34.0
Danko Presto	67.2	80.4	49.0	19.4	44.3
Décor	55.3	78.1	51.2	20.7	37.6
Kitaro	75.5	86.1	50.7	21.4	39.7
Lamberto	74.9	82.7	48.4	23.0	39.9
NE422T	76.7	84.9	48.7	30.2	56.2
NE426GT	99.1	95.7	50.4	20.1	44.9
Pika	40.7	62.0	47.3	32.8	53.9
Sorento	77.1	84.4	47.7	22.7	40.5
Trical 336	58.2	75.3	48.0	21.4	43.0
Trical 815	83.1	86.1	48.1	22.3	44.6
Vero	83.1	86.6	49.5	22.3	42.3
Average	71.3	82.4	49.4	23.3	43.2
LSD(0.05) ⁵	16.4	14.6	3.2	3.4	5.2

¹Test Weight is an average from three sites.

²Data were collected at Ames only and were recorded after May 1.

³Height was measured at Ames.

⁴Arapahoe, a winter wheat variety, was 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.