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## Winter Triticale Variety Test

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# Winter Triticale Variety Test

## **Abstract**

Twelve varieties were included in the 2006 winter triticale variety test at Crawfordsville. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted September 27, 2005 at a rate of 1½ bushels/acre. All winter triticale plots were harvested on July 10.

## **Keywords**

Agronomy

## **Disciplines**

Agricultural Science | Agriculture | Agronomy and Crop Sciences

## Winter Triticale Variety Test

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### Materials and Methods

Twelve varieties were included in the 2006 winter triticale variety test at Crawfordsville. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted September 27, 2005 at a rate of 1½ bushels/acre. All winter triticale plots were harvested on July 10.

### Results and Discussion

Winter triticale yields averaged 122.3 bushels/acre in 2006, which is 31.8 bushels/acre

more 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 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/](http://www.public.iastate.edu/~jjannink/).

**Table 1. Performance of winter triticale varieties tested at Crawfordsville in 2006.**

| Variety                | Yield |                   |                                  |                                 |                                 |
|------------------------|-------|-------------------|----------------------------------|---------------------------------|---------------------------------|
|                        | 2006  | Long-term average | Test weight <sup>1</sup> (lb/bu) | Heading date <sup>2</sup> (May) | Plant height <sup>3</sup> (in.) |
| Alzo                   | 125.5 | 92.5              | 51.1                             | 26.0                            | 37.9                            |
| Arapahoe <sup>4</sup>  | 104.9 | 83.7              | 58.2                             | 26.0                            | 33.8                            |
| Danko Presto           | 125.1 | 89.6              | 54.4                             | 22.4                            | 40.3                            |
| Décor                  | 121.0 | 86.5              | 56.9                             | 20.4                            | 38.8                            |
| Kitaro                 | 134.9 | 96.2              | 55.8                             | 23.0                            | 36.1                            |
| Lamberto               | 119.5 | 90.0              | 53.8                             | 25.0                            | 38.1                            |
| NE422T                 | 114.9 | 89.2              | 54.1                             | 29.3                            | 48.2                            |
| NE426GT                | 131.3 | 102.6             | 53.8                             | 22.7                            | 39.3                            |
| Pika                   | 113.4 | 72.0              | 54.7                             | 34.8                            | 51.3                            |
| Sorento                | 129.6 | 93.6              | 52.8                             | 24.7                            | 38.4                            |
| Trical 336             | 123.9 | 85.4              | 53.8                             | 23.0                            | 40.4                            |
| Trical 815             | 121.3 | 92.8              | 53.6                             | 23.7                            | 40.3                            |
| Vero                   | 125.1 | 94.3              | 53.2                             | 24.0                            | 41.2                            |
| Average                | 122.3 | 90.5              | 54.3                             | 25.0                            | 40.3                            |
| LSD(0.05) <sup>5</sup> | 12.5  | 12.9              | 2.5                              | 3.2                             | 4.3                             |

<sup>1</sup>Test weight—average from three sites.

<sup>2</sup>Data collected at Ames only recorded as date after May 1.

<sup>3</sup>Height—measured at Ames.

<sup>4</sup>Arapahoe—winter wheat variety used as a check.

<sup>5</sup>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.