

2001

Winter Wheat Variety Test

Ronald Skrdla
Iowa State University

Jean-Luc Jannink
Iowa State University

Follow this and additional works at: http://lib.dr.iastate.edu/farms_reports



Part of the [Agricultural Science Commons](#), [Agriculture Commons](#), and the [Agronomy and Crop Sciences Commons](#)

Recommended Citation

Skrdla, Ronald and Jannink, Jean-Luc, "Winter Wheat Variety Test" (2001). *Iowa State Research Farm Progress Reports*. 1837.
http://lib.dr.iastate.edu/farms_reports/1837

This report is brought to you for free and open access by Iowa State University Digital Repository. It has been accepted for inclusion in Iowa State Research Farm Progress Reports by an authorized administrator of Iowa State University Digital Repository. For more information, please contact digirep@iastate.edu.

Winter Wheat Variety Test

Abstract

Twenty-nine varieties were included in the 2000 winter wheat test at Crawfordsville. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted September 30, 1999, at a rate of 1¹/₂ bushels/acre. The winter wheat plots were harvested on June 30, 2000.

Keywords

Agronomy

Disciplines

Agricultural Science | Agriculture | Agronomy and Crop Sciences

Winter Wheat Variety Test

Ron Skrdla, ag research specialist, agronomy
Jean-Luc Jannink, assistant professor, agronomy

Materials and Methods

Twenty-nine varieties were included in the 2000 winter wheat test at Crawfordsville. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted September 30, 1999, at a rate of 1¹/₂ bushels/acre. The winter wheat plots were harvested on June 30, 2000.

Results

Average winter wheat grain yield at Crawfordsville in 2000 was 75.8 bushels/acre, 7 bushels/acre less than the average yield in 1999 (Table 1). Based on two years of data (1999 - 2000), Kaskaskia was the highest yielding variety. Crimson had the highest test weight among the varieties tested for two years.

Additional information on winter wheat variety tests in the state can be found in the publication, "Iowa Crop Performance Tests – Winter Wheat, 1998-2000," which is available from county extension offices (AG-6).

Table 1. Performance of winter wheat entries at Crawfordsville in 1999 and 2000.

Entry	Yield		2-yr avg	Heading date ^a	Lodging score ^b	Straw Yield ^c	Test wt. ^d	Height ^e
	1999	2000						
	Bu/Acre					T/acre	Lbs/Bu	Inches
2137	71.2	92.6	81.9	18	7	4.4	56.2	31
Alliance	66.9	86.8	76.9	16	50	4.0	56.0	33
Arapahoe	73.5	82.9	78.2	15	8	4.2	55.1	34
Cardinal	71.3	83.4	77.3	19	7	3.6	54.4	35
Catoctin	57.6	81.4	69.5	18	17	3.9	54.8	31
Centura	63.5	65.2	64.4	19	7	3.7	57.0	33
Cimarron	87.9	97.7	92.8	14	33	3.8	57.3	28
Crimson	65.8	69.0	67.4	22	23	3.7	58.6	33
Culver	77.0	84.0	80.5	20	33	3.6	56.0	32
Custer	82.5	102.4	92.4	15	7	4.0	57.8	31
Ernie	86.4	86.7	86.6	15	67	5.0	54.9	28
Glacier	56.0	67.6	61.8	20	13	5.8	54.6	35
Goldfield	74.6	79.9	77.3	13	13	3.9	54.8	35
Hopewell	45.5	62.1	53.8	16	7	4.1	52.7	31
Howell	67.0	85.1	76.1	19	18	3.9	57.2	33
Jagger	64.6	83.1	73.9	12	33	3.9	55.4	30
Karl92	79.6	92.6	86.1	14	37	2.9	56.3	31
Kaskaksia	96.7	115.7	106.2	16	10	4.5	56.5	35
Nekota	71.6	85.5	78.5	17	27	3.5	57.0	32
Patterson	75.3	84.9	80.1	13	13	4.6	54.7	32
Prowers	44.5	64.9	54.7	17	43	4.0	58.0	35
Rawhide	70.4	84.3	77.3	17	13	3.4	56.7	33
Siouxland	60.4	75.7	68.1	18	0	3.6	56.9	36
Tandem	59.7	67.6	63.6	19	53	4.0	57.9	33
Tonkawah	79.0	91.6	85.3	18	0	3.9	57.8	29
Vista	62.1	70.0	66.0	17	50	3.6	55.7	29
Wesley	64.0	89.0	76.5	17	7	3.8	56.3	32
Winstar	54.8	79.0	66.9	19	20	4.3	56.7	34
Yuma	70.4	85.4	77.9	15	17	3.8	56.5	33
Mean	69.0	82.6	75.8	17	21	1.3	56.2	32
LSD(0.05) ^f	7.2	9.8	9.8	3	22	4.0	1.2	3

^a Heading date at Ames, 2000.

^b Lodging - 1999 average from 3 sites.

^c Straw yield - 2000 average from 3 sites.

^d Test weight – 2000 average from 3 sites.

^e Height – taken at Ames, 2000.

^f 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.