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Abstract

Thirty-one varieties were included in the 2001 oat test at Nashua. Each variety was sown in three different plots in order to average soil variability effects. The varieties were planted April 20, 2001, at a rate of three bushels/acre. All plots were harvested on July 26.

Keywords

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Disciplines

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Oat Variety Test

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Materials and Methods

Thirty-one varieties were included in the 2001 oat test at Nashua. Each variety was sown in three different plots in order to average soil variability effects. The varieties were planted April 20, 2001, at a rate of three bushels/acre. All plots were harvested on July 26.

Results

Average oat grain yield at Nashua in 2001 was 118 bushels/acre, 26 bushels/acre more than the average yield in 2000 (Table 1). Based on three years of data (1999–2001), Loyal was the highest yielding variety. Jerry had the highest test weight among hulled (normal) oat varieties in 2001. Paul is a hull-less variety and thus had a higher test weight.

Additional information on oat variety tests in the state can be found in the publication, "Iowa Crop Performance Tests—Oat and Barley, 1998–2001," available from county extension offices (Pm-1645).

Table 1. Performance of oat varieties tested at Nashua, IA 1999–2001.

Variety	Grain Yields ¹				Head date (June) ¹	Lodging Score ²	Straw yield T/A ³	Test weight lbs/bu ⁴
	1999	2000	2001	3yr avg.				
Belle	115	88	113	105	21	28	3.1	34.8
Blaze	115	99	117	110	17	54	3.2	34.7
Brawn	111	101	118	110	18	39	2.9	31.9
Chaps	107	112	138	119	17	43	3.1	34.1
Cherokee	76	70	102	83	13	38	3.0	34.1
Classic	114	91	126	110	17	42	3.3	34.1
Dane	107	111	122	114	11	18	2.7	31.4
Don	100	81	96	93	14	58	2.9	34.7
Ebeltoft	120	93	126	113	23	35	3.0	31.2
Gem	120	95	122	112	18	28	3.0	34.2
IN09201	112	90	127	110	13	42	2.8	34.4
Jay	114	99	129	114	18	35	3.4	34.9
Jerry	108	83	108	100	17	49	3.1	37.0
Jim	117	103	122	114	14	48	2.9	35.7
Jud	101	107	136	114	18	35	3.3	35.0
Killdeer	107	116	137	120	18	37	3.1	34.0
Loyal	110	82	145	113	22	27	3.3	34.3
Moraine	96	114	106	105	15	40	2.4	34.1
Ogle	108	93	120	107	18	46	3.0	32.5
Paul	70	59	81	70	21	27	3.4	41.1
Richard	110	98	119	109	16	28	3.0	33.9
Richland	63	61	86	70	15	56	2.5	30.7
Riser	108	99	116	108	9	65	2.6	35.3
Rodeo	119	99	127	115	19	38	2.9	32.0
Sesqui	-	108	124	116	21	-	3.4	34.2
Sheldon	104	90	118	104	15	75	3.1	32.7
Starter	101	82	107	97	12	65	2.7	35.8
Troy	109	85	113	102	20	79	3.5	33.6
Vista	121	94	110	108	18	44	2.7	32.9
Wabasha	-	96	116	106	19	-	3.2	33.7
Youngs	115	108	128	117	22	36	3.3	32.1
Mean	106	92	118	106	17	43	3.0	34.0
LSD ⁵	15	18	14	14.		26	0.5	1.0

¹ Heading date at Ames, 2001.

² Lodging – 1999 average from five sites.

³ Straw yield – 2001 average from five sites.

⁴ Test weight – 2001 average from five sites.

⁵ LSD = Least significant difference. When entries differ by an amount equal to one LSD or more, they are considered with 95% certainty to be in different classes.