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Ronald Skrdla
Iowa State University

Jean-Luc Jannink
Iowa State University

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Abstract

Thirty-two varieties were included in the 2002 oat test at Lewis, Iowa. Each variety was sown in three different plots in order to average the effects of soil variability. The varieties were planted April 2 at a rate of 3 bushels/acre. The oat plots were harvested July 18.

Keywords

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Disciplines

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Oat Variety Test

Ron Skrdla, ag research specialist
Jean-Luc Jannink, assistant professor
Department of Agronomy

Materials and Methods

Thirty-two varieties were included in the 2002 oat test at Lewis, Iowa. Each variety was sown in three different plots in order to average the effects of soil variability. The varieties were planted April 2 at a rate of 3 bushels/acre. The oat plots were harvested July 18.

Results

Average oat grain yield at Lewis in 2002 was 86 bushels/acre, 50 bushels/acre less than the

average yield in 2001 (Table 1). Based on three years of data (2000–2002), INO9201 was the highest yielding variety. Reeves had the highest test weight among hulled (normal) oat varieties in 2002. Paul is a hull-less variety and thus had a higher test weight.

Additional information on oat and barley variety tests in the state can be found in the publication, "Iowa Crop Performance Tests—Oat and Barley, 1998–2002," which is available from county extension offices (Pm-1645) and at www.public.iastate.edu/~jjannink/.

Table 1. Performance of oat varieties tested at Lewis from 2000–2002.

Variety	Grain Yields			3yr avg.	Head date (June) ¹	Lodging score ²	Straw yield T/A ³	Test weight lbs/bu ⁴
	2000	2001	2002					
Belle	89	120	86	98	18	28	2.1	33.7
Blaze	93	137	93	108	12	54	2.3	32.4
Brawn	107	144	98	116	14	39	2.2	31.6
Chaps	94	147	109	117	12	43	2.1	32.0
Cherokee	38	127	41	69	9	38	1.9	33.2
Classic	82	157	106	115	12	42	2.4	33.0
Dane	86	142	98	108	8	18	2.0	31.2
Don	87	150	107	115	9	58	2.2	34.2
Ebeltoft	81	123	62	89	19	35	2.0	29.9
Gem	96	138	94	109	13	28	2.2	33.1
IN09201	90	152	115	119	10	42	2.1	34.3
Jay	88	149	106	115	12	35	2.4	34.3
Jerry	90	141	97	109	13	49	2.6	35.2
Jim	86	149	103	113	10	48	1.9	34.5
Jud	89	159	85	111	16	35	2.2	32.5
Killdeer	88	164	74	109	15	37	2.7	31.7
Leonard	-	-	72	87	18	-	2.2	30.2
Moraine	93	121	92	102	11	40	1.9	33.9
Ogle	95	134	98	109	12	46	2.3	31.3
Paul	52	81	39	57	17	27	1.9	40.5
Reeves	-	137	98	108	11		2.1	36.4
Richard	85	141	62	96	13	28	2.0	31.3
Richland	29	92	47	56	11	56	1.6	29.8
Riser	64	144	78	95	6	65	1.7	34.6
Rodeo	90	126	93	103	14	38	2.4	30.7
Sesqui	106	136	79	107	17	-	2.2	32.9
Sheldon	70	137	99	102	11	75	2.1	33.0
Starter	77	137	101	105	9	65	2.1	35.4
Troy	85	135	63	94	16	79	2.3	31.8
Vista	94	113	79	95	14	44	2.1	32.8
Wabasha	91	136	100	109	15	-	2.3	32.2
Youngs	79	147	72	99	18	36	2.2	29.3
mean	82	136	86	101	13	43	2.1	32.9
LSD ⁵	21	17	16	19	1	26	0.3	1.1

¹Heading date at Ames, 2002.²Lodging – 1999 average from five sites.³Straw yield – 2002 average from five sites.⁴Test weight – 2002 average from five sites.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.