

Oat Variety Test

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Materials and Methods

Thirty-three varieties were included in the 2001 oat test at Crawfordsville, Iowa. Each variety was sown in three different plots to average the effects of soil variability. The varieties were planted April 19, 2001 at a rate of 3 bushels/acre. The oat plots were harvested on July 24.

Results

Average oat grain yield at Crawfordsville in 2001 was 130 bushels/acre—31 bushels/acre more than the average yield in 2000 (Table 1). Based on three years of data (1999–2001), Jay 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 and barley 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 Crawfordsville, Iowa from 1999 to 2001.

Variety	Grain Yields ¹			3-yr Avg	Head Date (June) ¹	Lodging Score ²	Straw Yield T/A ³	Test Weight lbs/bu ⁴
	1999	2000	2001 bu/A					
Belle	98	89	117	101	21	28	3.1	34.8
Blaze	126	112	144	127	17	54	3.2	34.7
Brawn	123	112	135	123	18	39	2.9	31.9
Chaps	107	117	145	123	17	43	3.1	34.1
Cherokee	44	63	118	75	13	38	3.0	34.1
Classic	127	103	137	122	17	42	3.3	34.1
Dane	132	93	145	123	11	18	2.7	31.4
Don	104	87	135	109	14	58	2.9	34.7
Ebeltoft	122	121	129	124	23	35	3.0	31.2
Gem	113	104	141	119	18	28	3.0	34.2
IN09201	126	108	143	126	13	42	2.8	34.4
Jay	133	110	142	128	18	35	3.4	34.9
Jerry	105	105	123	111	17	49	3.1	37.0
Jim	116	106	143	121	14	48	2.9	35.7
Jud	122	112	134	123	18	35	3.3	35.0
Killdeer	106	100	157	121	18	37	3.1	34.0
Loyal	90	103	129	107	22	27	3.3	34.3
Moraine	113	111	133	119	15	40	2.4	34.1
Ogle	130	106	135	123	18	46	3.0	32.5
Paul	55	73	87	72	21	27	3.4	41.1
Richard	78	100	130	103	16	28	3.0	33.9
Richland	36	52	104	64	15	56	2.5	30.7
Riser	96	98	117	104	9	65	2.6	35.3
Rodeo	113	116	123	117	19	38	2.9	32.0
Sesqui	--	118	132	122	21	--	3.4	34.2
Sheldon	108	86	117	104	15	75	3.1	32.7
Starter	108	83	115	102	12	65	2.7	35.8
Troy	103	105	127	112	20	79	3.5	33.6
Vista	88	102	120	103	18	44	2.7	32.9
Wabasha	--	102	130	113	19	--	3.2	33.7
Youngs	85	93	131	103	22	36	3.3	32.1
mean	103	99	130	111	17	43	3.0	34.0
LSD ⁵	20	11	14	18		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.