

Oat Variety Test

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Materials and Methods

Thirty-two varieties were included in the 2002 oat test at Calumet, Iowa. Each variety was sown in three different plots in order to average the effects of soil variability. The varieties were planted April 3 at a rate of 3 bushels/acre. All oat plots were harvested July 16.

Results and Discussion

Average oat grain yield at Calumet in 2002 was 89 bushels/acre, 12 bushels/acre less than the

average yield in 2001 (Table 1). The decrease in yield was due to the dry conditions during most of the growing season. Based on three years of data (2000–2002), Rodeo 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 variety tests in the state can be found in the publication, "Iowa Crop Performance Tests—Oat and Barley, 1999–2002," which is available from county extension offices (Pm-1645).

Triticale Variety Test

Twenty-four winter triticale lines and 13 spring triticale lines were tested at Calumet in 2002. Only one year of data are available thus no table is presented. Triticale is being evaluated as a possible feed grain crop. Additional information on the triticale tests grown in the state can be

found in the publication, "Iowa Crop Performance Tests—Winter Wheat, 1999–2002 and Winter Triticale, 2002," which is available from county extension offices (AG-6) and at www.public.iastate.edu/~jjannink/.

Table 1. Performance of oat varieties tested at Calumet from 2000 to 2002.

Variety	Grain Yields			3-yr avg	Head date (June) ¹	Lodging score ²	Straw yield T/A ³	Test weight lbs/bu ⁴
	2000	2001	2002 bu/A					
Belle	64	98	90	84	18	28	2.1	33.7
Blaze	82	109	96	96	12	54	2.3	32.4
Brawn	80	106	98	95	14	39	2.2	31.6
Chaps	77	109	99	95	12	43	2.1	32.0
Cherokee	47	82	62	64	9	38	1.9	33.2
Classic	71	99	100	90	12	42	2.4	33.0
Dane	70	99	91	87	8	18	2.0	31.2
Don	77	95	86	86	9	58	2.2	34.2
Ebeltoft	77	121	79	92	19	35	2.0	29.9
Gem	77	100	95	91	13	28	2.2	33.1
IN09201	76	107	98	94	10	42	2.1	34.3
Jay	76	112	94	94	12	35	2.4	34.3
Jerry	72	102	93	89	13	49	2.6	35.2
Jim	83	102	96	94	10	48	1.9	34.5
Jud	78	105	88	90	16	35	2.2	32.5
Killdeer	78	116	92	95	15	37	2.7	31.7
Leonard	-	-	100	98	18	-	2.2	30.2
Moraine	73	99	93	88	11	40	1.9	33.9
Ogle	83	103	105	97	12	46	2.3	31.3
Paul	54	65	41	53	17	27	1.9	40.5
Reeves	-	93	96	87	11	-	2.1	36.4
Richard	70	103	85	86	13	28	2.0	31.3
Richland	45	78	65	63	11	56	1.6	29.8
Riser	56	71	77	68	6	65	1.7	34.6
Rodeo	86	120	99	102	14	38	2.4	30.7
Sesqui	78	104	97	93	17	-	2.2	32.9
Sheldon	70	103	94	89	11	75	2.1	33.0
Starter	53	92	72	72	9	65	2.1	35.4
Troy	74	106	94	91	16	79	2.3	31.8
Vista	75	107	98	93	14	44	2.1	32.8
Wabasha	71	98	90	86	15	-	2.3	32.2
Youngs	78	108	71	85	18	36	2.2	29.3
mean	72	101	89	87	13	43	2.1	32.9
LSD ⁵	9	11	11	11	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.