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Abstract

Nineteen varieties were included in the 2008 barley variety test at Nashua. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted April 16 at a rate of 2 bushels/acre. All barley plots were harvested on July 28.

Keywords

Agronomy

Disciplines

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Barley Variety Test

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Materials and Methods

Nineteen varieties were included in the 2008 barley variety test at Nashua. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted April 16 at a rate of 2 bushels/acre. All barley plots were harvested on July 28.

Results and Discussion

Barley yields at Nashua averaged 73 bushels/acre in 2008, 5 bushels/acre more than the three-year average yield (Table 1). Kewaunee was the highest yielding line based on the three-year average yield and Stark had the highest test weight for lines tested in 2008.

Additional information on barley variety tests in the state can be found in the publication, "Iowa Crop Performance Tests—Oat and Barley, 2008," which is available from county extension offices (Pm-1645) and at www.croptesting.iastate.edu/.

Table 1. Performance of spring barley varieties tested at Nashua in 2008.

Variety	Bushels/acre ¹			3-year avg ¹	Test weight ² (lbs/bu)	Date (June) ³	Height (in.) ⁴	Number of Rows ⁵
	2006	2007	2008					
CDC Clyde	60	76	72	69	44.8	17	26.8	6
Conlon	58	70	74	67	45.2	16	26.2	2
Conrad	58	77	72	69	45.3	23	26.0	2
Drummond	59	74	70	68	42.9	18	26.5	6
Excel	59	73	79	70	43.9	17	27.3	6
Kewaunee	59	76	83	73	42.5	17	29.9	6
Lacey	59	73	77	70	44.8	19	25.5	6
Legacy	59	65	75	66	43.1	18	29.7	6
Logan	57	78	68	68	45.1	18	27.3	2
MNBrite			72		44.8	18	29.4	6
Pinnacle			69		44.7	17	28.6	2
Rasmusson			80		44.6	16	25.2	6
Rawson	59	80	73	71	43.4	19	28.3	2
Robust	59	73	74	69	45.0	18	28.9	6
Royal			75		43.3	18	25.5	6
Stander			71		44.0	19	24.9	6
Stark	59	76	75	70	47.5	20	29.1	2
Steller	59	62	63	61	42.8	18	27.3	6
Tradition	58	67	69	65	44.0	18	28.1	6
Average	59	73	73	68	44.3	18	27.4	

¹Grain yields are based on a 48 lb/bushel test weight.

²Test weight—average from three sites.

³Heading date collected at Ames only recorded as date after June.

⁴Height—measured at Ames.

⁵Rows of kernels/head.