

Barley Variety Test

George Patrick, research associate
Department of Agronomy

Materials and Methods

Nineteen varieties were included in the 2008 barley test at Sutherland. Each variety was sown in three different plots to average the effects of soil variability. The varieties were planted April 7 at a rate of two bushels/acre. All barley plots were harvested on July 29.

Results and Discussion

Barley yields averaged 84 bushels/acre in 2008, which is 16 bushels/acre higher than the

three-year average (Table 1). Kewaunee and Excel were the highest yielding lines based on the three-year average. Stark had the highest test weight across all locations for the lines that were 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 Sutherland in 2008.

Variety name	Bushels/acre			3-yr avg. yield ¹	Test weight ² (lb/bu)	Heading date ³	Height (in.) ⁴	Number of rows/head
	2006	2007	2008					
CDC Clyde	54	60	93	69	44.8	17	26.8	6
Conlon	49	60	89	66	45.2	16	26.2	2
Conrad	66	64	85	72	45.3	23	26.0	2
Drummond	64	64	82	70	42.9	18	26.5	6
Excel	61	68	94	74	43.9	17	27.3	6
Kewaunee	59	75	90	75	42.5	17	29.9	6
Lacey	56	69	77	67	44.8	19	25.5	6
Legacy	60	59	83	67	43.1	18	29.7	6
Logan	58	61	78	66	45.1	18	27.3	2
MNBrite			77		44.8	18	29.4	6
Pinnacle			85		44.7	17	28.6	2
Rasmusson			97		44.6	16	25.2	6
Rawson	58	63	80	67	43.4	19	28.3	2
Robust	56	61	73	63	45.0	18	28.9	6
Royal			75		43.3	18	25.5	6
Stander			86		44.0	19	24.9	6
Stark	58	62	94	71	47.5	20	29.1	2
Steller	62	61	76	66	42.8	18	27.3	6
Tradition	55	62	73	63	44.0	18	28.1	6
Average	58	64	84	68	44.3	18	27.4	

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

²Test weight—averaged from three sites 2008.

³Heading date collected at Ames only recorded as date after May 1.

⁴Height—measured at Ames.