

Disease:

Stripe Rust

Both field and greenhouse tests conducted by the USDA-ARS indicate that Farnum has a moderate level of durable HTAP resistance to current predominate races of stripe rust found in the Pacific Northwest (PNW).

Speckled Snow Mold

Based on data collected in the 2006-2007 crop year, speckled snow mold resistance is comparable to Eltan and superior to Finley.

Quality

The USDA-ARS Western Wheat Quality Lab has evaluated Farnum since 2004 for milling and baking properties. Farnum displays good grain, milling and end-use quality, essentially equivalent to good quality check varieties such as Finley, Bauermeister, Hatton and Paladin.

In 2008 Farnum was evaluated by the Pacific Northwest Wheat Quality Council, where commercial millers and bakers concluded that Farnum has acceptable milling, dough handling, and baking properties and is comparable to other hard red winter wheat varieties that are currently in production in the PNW.

Availability

Foundation seed of Farnum will be maintained by the Washington State Crop Improvement Association. For seed inquiries please call (509)335-4365.

U.S. Plant Variety Protection status for this cultivar is pending.



Our appreciation is extended to the dedicated personnel from Washington State University, University of Idaho and USDA-ARS for their assistance during the development of Farnum. We are grateful to the Washington State Grain Alliance and the Washington State Agriculture Research Center for providing funds for this research.

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'Farnum' is a new hard red winter wheat developed and released in 2008 by the Agricultural Research Center of Washington State University. Farnum was named after Farnum Road in the Horse Heaven Hills area of Benton County.

Farnum is an awned, common, tall variety with late-season maturity and high yield potential in the semi-arid, non-irrigated production areas (<12 inch average annual rainfall) of Benton and Franklin counties in eastern Washington.

Farnum is best adapted in regions where Finley, Hatton and Bauermeister are commonly grown. Farnum has excellent seedling emergence, good cold hardiness, moderate non-race specific, high-temperature adult-plant (HTAP) resistance to stripe rust, high grain protein content and good end-use quality.

Target Production Area



Disease Ratings

	Stripe Rust	Leaf Rust	Snow Mold
Farnum	MR	*	MR
Finley	S	MS	MR
Hatton	S	S	MR
Bauermeister	MR	R	MS

R= resistant; MR= moderately resistant; MS= moderately susceptible; S= susceptible

Source: USDA Wheat Genetics, Quality, Physiology, and Disease Research Unit, Pullman, WA; WSU, Department of Plant Pathology, U of I Plant, Soil and Entomological Sciences.

* no data available

Average Thirteen Site Years < 12 inch Rainfall Zone Data

	Heading Date	Plant Height (inches)	Test Weight (lbs/bu)	Yield (bu/A)	Grain Protein Content (%)
Farnum	May 30	31	59.4	47	12.3
Finley	May 24	32	62.3	44	12.3
Hatton	May 26	30	61.7	42	12.3
Bauermeister	May 29	28	60.0	45	11.9

Source: WSU Uniform Extension Variety Testing Program.