

These rankings are based on the results of the *Genotype and Environment Study (G&E)* quality testing conducted by the USDA Western Wheat Quality Laboratory, the Washington State University Wheat Quality Program, the University of Idaho Wheat Quality Laboratory, and the Oregon State University Cereal Quality Laboratory, including relevant breeding nurseries.

End-use quality determinations were based on results from grain, milling and product quality tests.

The quality scores presented here reflect a minimum of three years' data in the G&E study, using a reference variety for each class. The scores are reviewed yearly as new data becomes available, and are subject to change. Varieties not listed have not been tested or have less than three years of data. For complete results, please visit the website: www.wsu.edu/~wwql/php/index.php

For agronomic information, please consult: 1) the Washington State Crop Improvement Association Certified Seed Buying Guide; 2) WSU Uniform Cereal Variety Testing Program (<http://variety.wsu.edu>); 3) North Idaho Extension Cereals Program (<http://cals.uidaho.edu/cereals/nidaho>); 4) Oregon Elite Yield Trials (http://cropandsoil.oregonstate.edu/wheat/state_performance_data.htm).



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Preferred WHEAT VARIETIES

Based on end-use quality

2016

Washington • Oregon • North Idaho

2016 Quality Rankings

Varieties are listed by statistical quality rankings by class. When making a decision between varieties with similar agronomic characteristics and grain yield potential, choose the variety with the higher quality ranking. This will help to increase the overall quality and desirability of Pacific Northwest (PNW) wheat.

Most Desirable (MD)—These varieties generally have high test weights, appropriate protein content (kernel properties), and excellent milling and end-use properties.

Desirable (D)—The kernel, milling, and end-use qualities of these varieties range from good to very good. The quality attributes of these varieties are desirable in international trade.

Acceptable (A)—The kernel, milling, and end-use qualities of these varieties range from acceptable to good. Individual varieties may possess minor flaws. The quality attributes of these varieties are acceptable in international trade.

Least Desirable (LD)—These varieties have displayed low quality characteristics for this class of wheat and may have one or more critical flaws in quality. The intrinsic quality of PNW wheat will be improved if these varieties are not planted.

Soft White Winter

Bobtail	OSU	MD
BrundageCF	UI	MD
Kaseberg	OSU	MD
Brundage96	UI	MD
ARS-Amber	ARS	MD
Bitterroot	UI	MD
Jasper	WSU	MD
Bruneau	UI	MD
WSU UI Huffman	WSU UI	MD
Ladd	OSU	MD
Puma	WSU	MD
WB-Junction	WB	MD
ORCF101	OSU	D
Mary	OSU	D
ARS-Selbu	ARS	D
SY Ovation	SY	D
Masami	WSU	D
Skiles	OSU	D
Legion	SY	D
WB 523	WB	D
WB-528	WB	D
Eltan	WSU	D
Otto	WSU	D
Stephens	OSU	D
LCS Artdeco	LCS	A
ORCF103	OSU	A
Rosalyn	OSU	A
Madsen	ARS	A
Mela CL+ ³	WSU	A
WB-1066CL	WB	A
ORCF102	OSU	A
WB-1070CL	WB	A
Goetze	OSU	A
Curiosity CL+ ³	WSU	A
AP700CL	SY	A
Xerpha	WSU	LD
WB 456	WB	LD
SY107	SY	LD
Tubbs06	OSU	LD

Abbreviations

WSU	Washington State University
OSU	Oregon State University
UI	University of Idaho
ARS	Agricultural Research Service
SY	Syngenta
WB	WestBred/Monsanto
LCS	Limagrain Cereal Seeds

Hard Red Winter

Arrowhead	WB	MD
Eddy	WB	MD
UI SRG	UI	MD
Sprinter	WSU	MD
Whetstone	SY	MD
Norwest 553	OSU	D
Buchanan	WSU	D
Farnum	WSU	D
Rimrock	WB	A
Esperia	Societa Produttori Sementi Spa	A
WB Keldin	WB	A
LCS Colonia	LCS	A
Azimut	LCS	A
Residence	Cebeco	LD
Symphony	Tanio Tech	LD
Estica	Cebeco	LD

Hard Red Spring

Hollis	WSU	MD
SY605 CL	SY	MD
Alum	WSU	MD
Glee	WSU	MD
Chet	WSU	MD
WB-Fuzion	WB	MD
Winchester	UI	D
Jefferson	UI	D
Bullseye	SY	D
Kelse	WSU	D
Buck Pronto	LCS	D
WB 9879CLP	WB	A
Jedd	WB	A

Club

ARS-Crescent	ARS	MD
Cara	ARS	MD
Chukar	ARS	MD
ARS-Chrystal	ARS	D
Bruehl	WSU	D
Coda	ARS	D

Spring Club

Melba	WSU	MD
JD	WSU	MD

Soft White Spring

UI Stone	UI	MD
Diva	WSU	MD
Louise	WSU	MD
Alturas	UI	MD
Seahawk	WSU	MD
Whit	WSU	MD
Babe	WSU	MD
Nick	WB	D
Cataldo	UI	D
WB 1035CL_P	WB	LD

Hard White Winter¹

UI Silver	UI	MD
Darwin	UI	MD
MDM	WSU	A
Palomino	SY	A

Hard White Spring¹

UI Platinum	UI	MD
Hartline	WB	D
Dayn	WSU	D
LCS Star	LCS	A
BR7030	Arizona Plant Breeders	LD

¹Hard white wheats are scored for export quality requirements such as bread quality and potential noodle quality.

²Can exhibit late maturity alpha amylase.

³Two-gene herbicide resistant