2023 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. The intrinsic quality of PNW wheat will be improved if these varieties are not planted.

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: http://wwql.wsu.edu.

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 (https://www.uidaho.edu/extension/cereals/north/variety-trials); 4) Oregon Elite Yield Trials (https://agsci.oregonstate.edu/wheat/osu-wheat-variety-trials).

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2023 Preferred Wheat Varieties

Based on End-Use Quality

Washington • Oregon • North Idaho

Soft White Winter

VI Frost	LCS/UI	MD
YSC-215	YSC	MD
Sockeye CL+	WSU	MD
Bobtail	OSU	MD
Jasper	WSU	MD
LCS Shine	LCS	MD
YSC-201	YSC	MD
Nixon	OSU	MD
Nimbus	OSU	MD
Jameson	WSU	MD
AP Exceed	AP/SY	MD
Puma	WSU	MD
LCS Jefe	LCS	D
Piranha CL+	WSU	D
VI Bulldog	LCS/UI	D
OR2X2 CLP	OSU	D
LCS Shark	LCS	D
VI Presto CL+	LCS/UI	D
Devote	WSU	D
UI Magic CL+	UI	D
SY Ovation	AP/SY	D
LCS Drive	LCS	D
Appleby CL+	OSU	D
Norwest Duet	OSU/LCS	D
UI Sparrow	UI	D
Eltan	WSU	D
Stingray CL+	WSU	D
LCS Blackjack	LCS	D
VI Voodoo CL+	LCS/UI	D
SY Assure	AP/SY	D
TMC M-Press	TMC	D
Otto	WSU	D
Resilience CL+	WSU	D
Inspire	WSU	D
Stephens	OSU	D
LCS Hulk	LCS	A
SY Dayton	AP/SY	A
AP Dynamic	AP/SY	A
AP Iliad	AP/SY	A
LCS Artdeco	LCS	A
WB1532	WB	A
WB1604	WB	A
Madsen	ARS	A
Curiosity CL+	WSU	A
Norwest Tandem	OSU/LCS	A
Purl	WSU	A
Rosalyn	OSU	A
Mela CL+	WSU	A
Xerpha	WSU	LD
WB1529	WB	LD
WB1376CLP	WB	LD
WB1783	WB	LD

Soft White Spring

Tekoa	WSU	MD
Diva	WSU	MD
WB6341	WB	MD
Louise	WSU	MD
UI Cookie	UI	MD
Alturas	UI	MD
AP Mondovi CL2	AP/SY	MD
Ryan	WSU	MD
Seahawk	WSU	MD
WB6121	WB	D

Hard White Winter

UI Silver	UI	MD
Millie	OSU	MD
Irv	OSU	MD
Earl	WSU	A

Hard White Spring

UI Platinum	UI	MD
WB-Hartline	WB	D
Dayn	WSU	D

Winter Club

ARS Cameo	ARS	MD
Castella	ARS	MD
ARS Crescent	ARS	MD
Cara	ARS	MD
ARS Pritchett	ARS	D
Bruehl	WSU	D

Spring Club

Roger	WSU	MD
Melba	WSU	MD
JD	WSU	MD
Hedge CL+	WSU	MD

Hard Red Winter

Guardian	PG	MD
Scorpio	WSU	MD
Sequoia	WSU	D
WB4311	WB	D
SY Touchstone	AP/SY	D
Keldin	WB	D
LCS Jet	LCS	A
WB4303	WB	A
WB4623CLP	WB	A
LCS Evina	LCS	A
LCS Rocket	LCS	A
WB4394	WB	A
LCS Helix AX	LCS	A

Hard Red Spring

Jefferson	UI	MD
Hale	WSU	MD
SY605 CL	AP/SY	MD
Net CL+	WSU	MD
SY Selway	AP/SY	MD
Glee	WSU	MD
SY Coho	AP/SY	MD
SY Gunsight	AP/SY	MD
Chet	WSU	MD
Alum	WSU	MD
AP Renegade	AP/SY	D
Kelse	WSU	D
WB9668	WB	D
Buck Pronto	LCS	A
WB9662	WB	LD

Abbreviations

AP/SY	*AgriPro/Syngenta*
ARS	*Agricultural Research Service*
LCS	*Limagrain Cereal Seeds*
OSU	*Oregon State University*
PG	*PlainsGold*
TMC	*The McGregor Company*
UI	*University of Idaho*
WB	*WestBred/Bayer Crop Sciences*
WSU	*Washington State University*
YSC	*Yield Star Cereals*

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

***Analysis parameters for dough mixing strength have been modified to better reflect suitability in commercial bakeries. Quality designations of the strongest and weakest mixing lines have changed because of this.*