

2021 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.

Unacceptable Except Customer-Specific Uses (UCS)—One or more critical flaws in quality are present in these varieties and will not make suitable products for this class of wheat. Production of these varieties should be targeted to specific end-uses and kept strictly segregated from general commercial channels.

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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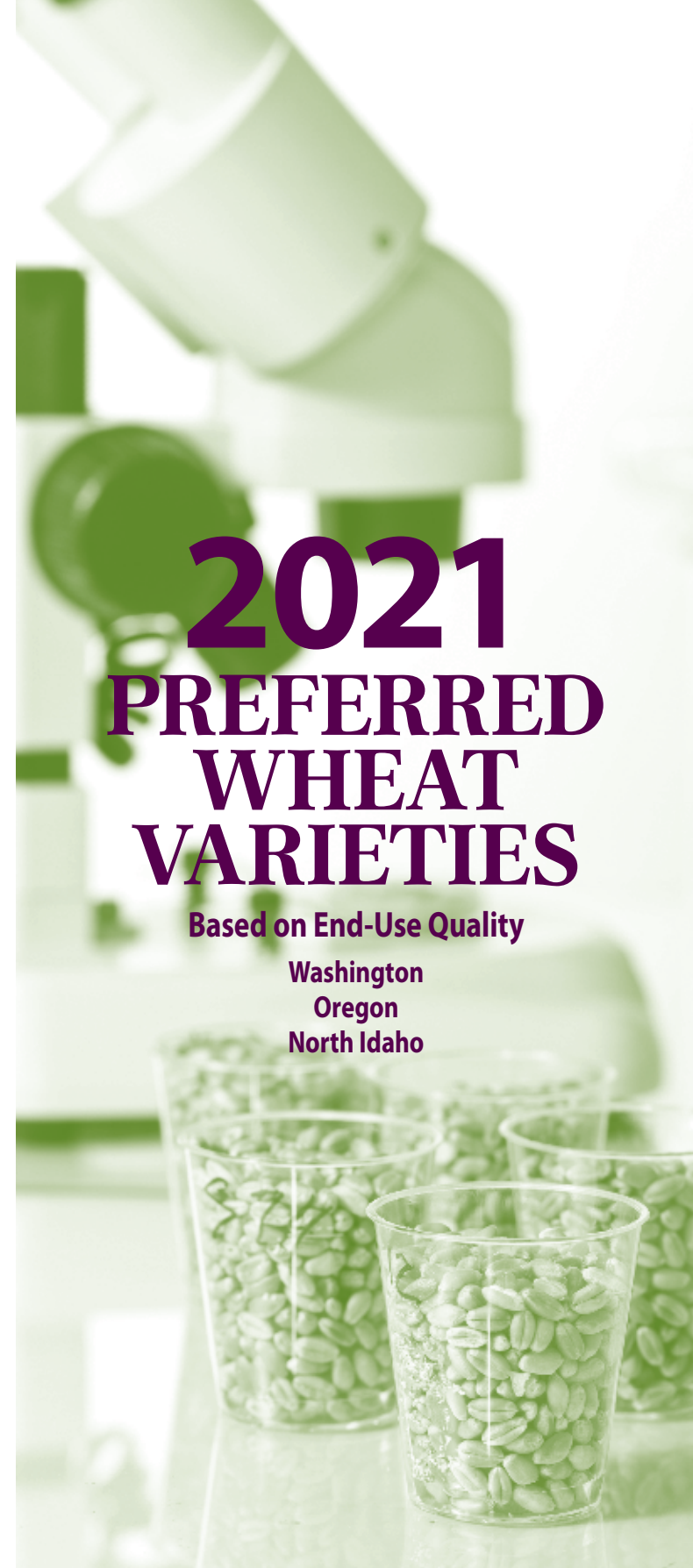
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2021 PREFERRED WHEAT VARIETIES

Based on End-Use Quality

Washington
Oregon
North Idaho



Soft White Winter

VI Frost	LCS/UI	MD
Bobtail	OSU	MD
UI Castle CL+	UI	MD
Sockeye CL+	WSU	MD
Kaseberg	OSU	MD
Bruneau	UI	MD
Jasper	WSU	MD
LCS Shine	LCS	MD
YS201	YS	MD
LCS Ghost	LCS	MD
Nixon	OSU	MD
UI WSU Huffman	UI	MD
Puma	WSU	MD
SY Command	AP/SY	D
VI Bulldog	LCS/UI	D
Mary	OSU	D
LCS Shark	LCS	D
Piranha CL+	WSU	D
LCS Biancor	LCS	D
SY Ovation	AP/SY	D
LCS Drive	LCS	D
UI Magic CL+	UI	D
UI Sparrow	UI	D
Eltan	WSU	D
Devote	WSU	D
LCS Blackjack	LCS	D
SY Assure	AP/SY	D
M-Press	TMC	D
Stingray CL+	WSU	D
LCS Sonic	LCS	D
Norwest Duet	OSU/LCS	D
SY Raptor	AP/SY	D
Otto	WSU	D
Resilience CL+	WSU	D
Stephens	OSU	D
LCS Hulk	LCS	A
SY Dayton	AP/SY	A
AP Dynamic	AP/SY	A
LCS Artdeco	LCS	A
WB1532	WB	A
Madsen	ARS	A
WB1604	WB	A
Purl	WSU	A
Curiosity CL+	WSU	A
Norwest Tandem	OSU/LCS	A
Mela CL+	WSU	A
Rosalyn	OSU	A

WB1529	WB	A
Xerpha	WSU	LD
WB1376CLP	WB	LD
WB1783	WB	LD

Hard Red Winter**

Scorpio	WSU	MD
SY Clearstone CL2	AP/SY	D
Keldin	WB	D
SY Touchstone	AP/SY	D
WB 4311	WB	D
Sequoia	WSU	D
LCS Jet	LCS	A
WB4623CLP	WB	A
WB 4303	WB	A
LCS Rocket	LCS	A
LCS Evina	LCS	A

Hard Red Spring**

Jefferson	UI	MD
SY605 CL	AP/SY	MD
Net CL+	WSU	MD
SY Selway	AP/SY	MD
Glee	WSU	MD
SY Coho	AP/SY	MD
Alum	WSU	MD
SY Gunsight	AP/SY	MD
Chet	WSU	MD
AP Renegade	AP/SY	D
Kelse	WSU	D
WB 9668	WB	D
Buck Pronto	LCS	A
WB 9662	WB	LD

Abbreviations

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

Soft White Spring

Tekoa	WSU	MD
Diva	WSU	MD
WB 6341	WB	MD
Louise	WSU	MD
AP Mondovi CL2	AP/SY	MD
Alturas	UI	MD
Whit	WSU	MD
Seahawk	WSU	MD
Ryan	WSU	MD
WB 6121	WB	D
AP Coachman	AP/SY	A
WB-1035CL+	WB	UCS

Club

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

Spring Club

Melba	WSU	MD
JD	WSU	MD
Hedge CL+	WSU	MD

Hard White Winter*

UI Silver	UI	MD
Irv	OSU	MD
Earl	WSU	A

Hard White Spring*

UI Platinum	UI	MD
WB Hartline	WB	D
Dayn	WSU	D

*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.