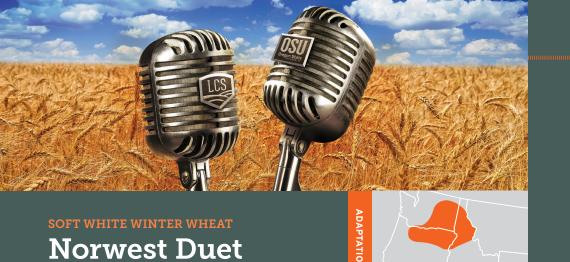
Norwest Wheat Seed Guide





Harmonize your wheat acreage



ExceptionalC-stripe and good
stripe rust tolerance



Very goodwinter-hardiness
and falling numbers



Proven performance in intermediate and low rainfall

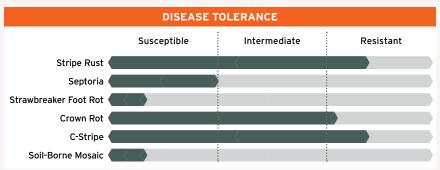


A top yielder
in ALL WSU rainfall
zones across 5 years

		YIELD	 	
	BU/AC	Norwest Duet Trial Avg.	MEAN ▶	
2021 WSU 16-20"	82 77			106% of mean
5-Year WSU 12-16"	102 96			106% of mean
3-Year UI North	111 105			106% of mean
5-Year WSU >20"	112 106			106% of mean
2021 WSU <12"	38 36			106% of mean
2-Year WSU 12-16"	80 76			105% of mean
2-Year WSU <12"	44 42			105% of mean
2-Year Ul North	101 97			104% of mean

AGRONOMIC FEATURES						
	Norwest Duet	LCS Artdeco	WB 1529	SY Dayton	Jasper	
Test Weight	57.5	57.5	60.3	59.3	55.6	
Protein %	11.4	10.8	11.9	11.4	12.0	
Winter-Hardiness	Very Good	Below Avg.	Good	Good	Very Good	
Heading (Julian)	154	150	150	150	152	
Plant Height (Inches)	35	29	29	30	32	
Straw Strength	Good	Very Good	Very Good	Very Good	Good	

2021 average | All available public and private data used in compiling scores



All available public and private data used in compiling scores

END-USE QUALITY						
Overall Quality Baking Quality Flour Protein Milling Quality						
Desirable	Desirable	Less Desirable	Most Desirable			

Data obtained from LCS Quality Laboratory

PVP Unauthorized seed multiplication prohibited by law. U.S. Plant Variety Protection Number has been granted.



Stronger genetics together



Broadly adapted across the PNW



Heavy test weight



Consistent yield over the years, top yielder in WSU 16-20" 5-year

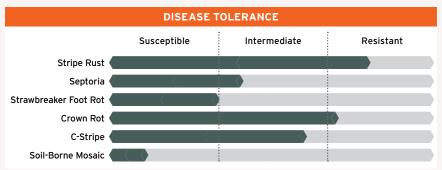


Great tolerance to stripe rust

		YIELD		
	BU/AC	Norwest Tandem Trial Avg.	MEAN♭	
2021 WSU <12"	41 36		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	114% of mean
2021 OSU Low Rain	46 42		>	110% of mean
3-Year Ul North	113 105		\bigcirc	108% of mean
2-Year OSU Low Rain	56 53			106% of mean
3-Year OSU Low Rain	60 57		\(\rightarrow\)	105% of mean
2021 Ul North	66 63		\(\)	105% of mean
5-Year WSU >20"	110 106		\(\rightarrow\)	104% of mean
5-Year WSU 12-16"	99 96			103% of mean

AGRONOMIC FEATURES						
	Norwest Tandem	LCS Artdeco	WB 1529	SY Dayton	Jasper	
Test Weight	57.9	57.5	60.3	59.3	55.6	
Protein %	11.1	10.8	11.9	11.4	12.0	
Winter-Hardiness	Good	Below Avg.	Good	Good	Very Good	
Heading (Julian)	150	150	150	150	152	
Plant Height (Inches)	28	29	29	30	32	
Straw Strength	Very Good	Very Good	Very Good	Very Good	Good	

2021 average | All available public and private data used in compiling scores



All available public and private data used in compiling scores

END-USE QUALITY						
Overall Quality Baking Quality Flour Protein Milling Quality						
Acceptable	Most Desirable	Acceptable	Less Desirable			

Data obtained from LCS Quality Laboratory



Superior wheat quality

Limagrain Cereal Seeds is the only private breeding program with a dedicated, state-of-the-art quality lab. The LCS Quality Laboratory utilizes a comprehensive set of data, compiled over multiple years, to determine the end-use quality of all wheat varieties we release. Key attributes include:

Baking quality, including loaf volume, cookie diameter and dough rheology.

Milling quality, including flour yields and protein loss from grain to flour.

Flour protein, including water absorption, gluten strength and percentage of protein content.

These characteristics are weighted and combined into a single score: baking quality (30%), dough properties (20%), milling quality (40%), test weight (5%) and flour protein (5%). Overall end-use quality is classified in one of four categories:

Most Desirable. Elite varieties with excellent intrinsic (kernel) qualities and a superior combination of milling, baking and dough properties.

Desirable. High-demand varieties with strong intrinsic qualities and very good to good milling, baking and dough properties.

Acceptable. One or more quality parameters may have minor flaws. Overall, these varieties are acceptable to end users.

Less Desirable. Varieties with quality parameters that are less than adequate for current end-user standards or a single critical flaw.

The latest technical data

To obtain the most accurate data possible, all available public and private multiyear data are used to compile agronomic, disease and yield scores. Quality data are obtained from the LCS Quality Laboratory. All agronomic, disease and yield scores published in this guide are based on the most recent data available at the time of publication (October 13, 2021). For updated PNW data and variety information, visit LimagrainCerealSeeds.com year-round.

Agronomic performance, disease scores and yield performance data from universities are available in their entirety at:

University of Idaho-Southern:

uidaho.edu/extension/cereals/scseidaho

University of Idaho-Northern:

uidaho.edu/extension/cereals/nidaho

Oregon State University:

cropandsoil.oregonstate.edu/wheat/osu-wheat-variety-trials

Washington State University:

smallgrains.wsu.edu

The results presented in this guide may not be an indicator of results you may obtain in your individual location, as local growing conditions—including soil type and weather—may vary. All growers are advised to evaluate data from multiple locations and years whenever possible.





Limagrain Cereal Seeds is proud to partner with Oregon State University to bring PNW farmers exceptional, proven Norwest varieties.

Get your seed today

Find your next blockbuster variety LimagrainCerealSeeds.com/PNW

Reserve your seed today
LimagrainCerealSeeds.com/find-a-dealer

Talk to a wheat specialist **503.519.7075**

