Bred to Dominate the Fie



WASHINGTON STATE JUNIVERSITY







HAVENER SPRING BARLEY

Havener is a two-row, hulless, spring food barley developed by the Agricultural Research Center of Washington State University. Havener is named in honor of Robert and Elizabeth Havener, long-time champions in the effort to eradicate hunger and malnutrition worldwide.

Havener, developed specifically for human consumption, contains 50 to 75% higher β -glucan (a heart-healthy soluble dietary fiber) than common Washington-grown varieties Lyon, Muir, Champion, Bob and Baronesse. Havener has higher yields and test weights across all eastern Washington rainfall zones than the hulless variety Meresse.

AGRONOMICS FOR HULLESS FOOD MARKET CLASS

Yield Potential	Excellent
Test Weight	Excellent
Protein	Average
Height	Medium
Maturity	Medium

Leaf Rust	. Moderately Susceptible, similar to Meresse

HAVENER SPRING BARLEY

Three-Year WSU Variety Testing Data 2017–2019

	16"-20"				>20"			
VARIETY	BETA GLUCAN (%)	* YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	BETA GLUCAN* (%)		TEST WT (LBS/BU)	PROTEIN (%)
Havener	6.3	3664	60.4	12.1	6.3	4063	59.7	11.2
Lyon	4.7	4503	52.8	11.6	4.3	4898	52.0	10.1
Lenetah	4.2	4596	54.0	11.0	4.2	5006	53.2	9.9
Muir	4.1	4337	52.5	11.4	3.9	4952	52.5	10.0
LCS Vespa	3.9	4541	52.7	11.5	4.2	4760	51.6	10.4
CDC Copela	nd 3.9	4598	54.6	11.1	3.6	4352	50.4	10.4
Champion	3.7	3987	50.6	11.3	3.7	4763	53.6	9.9
LCS Genie	3.4	4421	52.9	11.0	3.8	4846	52.2	10.2
LCS Odyssey	3.3	4396	51.8	11.1	3.9	4885	51.0	10.0
C.V. %	na	8	1.3	4.9	na	10	2.0	5.6
LSD (0.05)	na	174	0.3	0.2	na	228	0.5	0.3

16"-20" Precip Zone (Dayton, Mayview, St. John, Walla Walla) 2017-2018, 6 loc/years

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman) 2017–2018, 8 loc/years

*Beta glucan (Dayton, Mayview) 2017–2018, 4 loc/years

**Beta glucan (Fairfield, Farmington, Palouse) 2017–2018, 6 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genetics

509-659-4020 or contact your local seed dealer.

Signed grower agreements are required.







Lyon is a two-row dual-purpose malt and feed barley developed by the Agricultural Research Center of Washington State University. Lyon is named in honor of Steven R. Lyon, a farmer and long-time wheat researcher at Washington State University.

Lyon is a high yielding, broadly adapted variety particularly well suited to intermediate and high rainfall zones of the Palouse where Bob, Baronesse, Lenetah, and Champion are currently being grown. Lyon has excellent stem rust resistance, high protein, and plump kernels across a wide range of environments.

AGRONOMICS

Yield Potential	Excellent
Protein	Very Good
Test Weight	Average
Maturity	Medium
Height	Medium
Plump Kernels	Excellent

Leaf Rust Excelle	ent
Stripe Rust Moderately Susceptil	ole

LYON SPRING BARLEY

Six-Year WSU Variety Testing Data 2014–2019

		16-20"			>20"	
VARIETY	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)
Lenetah	4327	53.4	11.8	5113	52.8	10.8
LCS Vespa	4301	52.2	12.2	4908	51.4	11.2
LCS Odyssey	4228	51.4	11.9	4978	50.9	10.7
Lyon	4207	52.4	12.5	4959	51.9	10.9
Champion	4171	53.8	11.9	4984	53.5	10.9
LCS Genie	4137	52.4	11.9	5003	51.9	10.8
Muir	4051	52.0	12.4	4955	52.2	11.1
CDC Copeland	3707	50.0	12.3	4577	50.5	11.0
C.V. %	8	1.4	5.1	10	2.1	5.7
LSD (0.05)	117	0.3	0.0	173	0.4	0.2

16–20" Precip Zone (Dayton, Mayview, St. John, Walla Walla) 2014–2019, 21 loc/years >20" Precip Zone (Fairfield, Farmington, Palouse, Pullman) 2014–2019, 19 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genetics 509-659-4020

or

contact your local seed dealer.

Signed grower agreements are required.





MEG'S SONG SPRING BARLEY

Meg's Song is a two-row, hulless, spring food barley developed by the Agricultural Research Center of Washington State University. Meg's Song is named in honor of Meg Gollnick for her dedication to and work in agricultural research, and for her love of cooking and baking with flavorful and nutritious grains.

Meg's Song, developed specifically for human consumption, contains 70 to 100% higher β -glucan (a heart-healthy dietary fiber) than common Washington grown varieties. Meg's Song is a high-yielding waxy barley, with excellent tolerance to lodging, high test weight and protein, and unique culinary characteristics.

AGRONOMICS AND QUALITY FOR HULLESS FOOD MARKET CLASS

Yield Potential	Excellent
Test Weight	Excellent
Protein	High
Height	Medium
Maturity	
Standability	Strong
Starch	

MEG'S SONG SPRING BARLEY

Two-Year WSU Variety Testing Data 2018–2019

	16-20"					>2	0"	
VARIETY	BETA GLUCAN (%)	* YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	BETA GLUCAN* (%)		TEST WT (LBS/BU)	PROTEIN (%)
Meg's Song	7.0	3913	58.6	13.4	7.3	4373	57.6	12.4
Havener	6.0	3918	60.2	12.0	6.5	4308	58.4	11.3
Lyon	5.0	4873	53.3	11.4	4.5	5228	51.7	10.0
Survivor	4.6	4360	53.6	11.8	4.0	4841	52.4	10.7
Lenetah	4.3	4920	54.3	10.8	4.2	5311	52.7	9.8
LCS Vespa	4.3	4850	53.0	11.4	4.2	4995	50.8	10.4
Muir	4.3	4730	53.5	11.0	4.0	5293	52.5	9.9
CDC Copela	nd 4.0	4452	51.0	11.0	3.9	4897	50.3	10.3
Champion	3.9	4932	55.1	11.0	3.6	5110	53.3	10.0
C.V. %	na	8	1.2	4.8	na	9	2.0	5.1
LSD (0.05)	na	205	0.4	0.3	na	265	0.6	0.3

16–20" Precip Zone (Dayton, Mayview, St. John, Walla Walla) 2018–2019, 8 loc/years >20" Precip Zone (Fairfield, Farmington, Palouse, Pullman) 2014–2019, 8 loc/years Betaglucan Data–16–20" Precip Zone (Dayton, Mayview, St. John, Walla Walla) >20" Precip Zone (Fairfield, Farmington, Palouse, Pullman)

AVAILABILITY

For seed inquiries please call: Washington Genetics 509-659-4020 or contact your local seed dealer.

Signed grower agreements are required.





SPRING BARLEY

Muir is a two-row spring feed barley developed by the Agricultural Research Center of Washington State University. Muir is named in honor of Carl Muir, a former graduate student of Orville Vogel and a long-time field supervisor with the WSU Barley Breeding Program.

Muir is a high yielding variety adapted to low to intermediate rainfall zones of the Palouse. Muir provides an excellent multi-disease resistance package, has reliably plump kernels and high protein, and performs well in low-input and organic systems.

AGRONOMICS

Yield Potential	Excellent in All Rainfall Zones
Test Weight	Average
Protein	Above Average
Plump Kernels	Excellent
Height	Shorter than Average
Maturity	Medium-Early

Leaf Rust	Excellent
Stripe Rust	. Excellent High-Temperature, Adult-Plant Resistance
Powdery Mildew	Resistant

MUIR SPRING BARLEY

Six-Year WSU Variety Testing Data 2014–2019

	16-20"				>20"			
VARIETY	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)		
Lenetah	4327	53.4	11.8	5113	52.8	10.8		
LCS Vespa	4301	52.2	12.2	4908	51.4	11.1		
LCS Odyssey	4228	51.4	11.9	4978	50.9	10.7		
Lyon	4207	52.4	12.5	4959	51.9	10.9		
Champion	4171	53.8	11.9	4984	53.5	10.9		
LCS Genie	4137	52.4	11.9	5003	51.9	10.8		
Muir	4051	52.0	12.4	4955	52.2	11.1		
CDC Copeland	3707	50.0	12.3	4577	50.5	11.0		
C.V. %	8	1.4	5.1	10	2.1	5.7		
LSD (0.05)	117	0.3	0.0	173	0.4	0.2		

16-20" Precip Zone (Dayton, Mayview, St. John, Walla Walla) 2014-2019, 21 loc/years

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman) 2014–2019, 19 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genetics 509-659-4020 or contact your local seed dealer.

Signed grower agreements are required.





SURVIVOR SPRING BARLEY

Survivor is a two-row, hulled, spring feed barley developed by the Agricultural Research Center of Washington State University. Survivor is the first barley variety in the U.S. that possesses tolerance to IMI-herbicides in a high yielding genetic background. Survivor is adapted across all rainfall zones in dryland farming systems in eastern Washington. It is moderately resistant to stripe rust and has high protein and test weight in the feed barley market class.

Survivor is not intended to be sprayed with IMI herbicides; rather it was developed to withstand residual herbicides in the soil.

AGRONOMICS FOR THE HULLESS, FEED BARLEY MARKET CLASS

Yield Potential	Average
Test Weight	Excellent
Protein	High
Height	Medium
Maturity	Medium

SURVIVOR SPRING BARLEY

Four-Year WSU Variety Testing Data 2016–2019

	16–20"				>20"		
VARIETY	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	
Lyon	4545	52.8	11.9	5047	52.0	10.6	
Muir	4372	52.7	11.8	5082	52.6	10.6	
Survivor	4150	53.2	12.2	4803	53.0	11.0	
CDC Copeland	4078	50.9	11.5	4640	50.6	10.7	
Havener	3703	60.6	12.4	4221	59.7	11.7	
C.V. %	8.3	1.2	5.0	10	1.9	5.4	
LSD (0.05)	148	0.3	0.3	202	0.4	0.2	

16-20" Precip Zone (Dayton, Mayview, St. John, Walla Walla) 2016-2019, 14 loc/years

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman) 2016–2019, 15 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genetics 509-659-4020 or contact your local seed dealer.

Signed grower agreements are required.



WSU CEREAL VARIETIES





Support for the development of all wheat varieties was provided by Washington State University, the USDA, and the Washington Grain Commission. For more information visit smallgrains.wsu.edu/variety.





ALUM HARD RED SPRING WHEAT

Alum, a newly released hard red spring wheat from Washington State University, is intended to provide growers with low soil pH and aluminum toxicity a very solid and broadly adapted hard red spring wheat variety.

Alum has very good adult plant stripe rust resistance, Hessian fly resistance, above average test weight, very good aluminum tolerance, medium plant height with good straw strength, and very good-to-excellent yield potential across the PNW. Alum should be of particular interest to growers in Spokane, eastern Whitman, Columbia, and Walla Walla counties in Washington, and in northern Idaho.

AGRONOMICS

Yield Potential	Very Good–Excellent
Test Weight	Very Good
Protein	
Maturity	
Height	
Quality	
Straw Strength	

Stripe Rust	Very Good Adult Resistance ¹
Hessian Fly	Resistant
Aluminum Tolerance	
¹ Early season application of fungicides should be considered to limit seedling infection	on.

ALUM HARD RED SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	16–20" YIELD (BU/A)	12–16" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
AP Renegade	66	44	60.7	12.6
Alum	65	44	61.3	13.1
Net CL+	65	44	61.8	13.0
Glee	65	44	61.8	12.6
LCS Luna	64	45	60.9	12.7
LCS Iron	63	45	60.2	12.1
SY Selway	63	43	60.4	12.9
Kelse	62	42	61.4	13.5
Chet	61	44	61.6	13.5
SY Gunsight	61	43	60.7	12.4
LCS Buck Pronto	58	40	60.5	14.1
WB9668	54	37	61.3	14.9
WB9662	53	36	60.1	14.6
C.V. %	7	10	1.4	5.0
LSD (0.05)	2	2	0.2	0.2

16–20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2017–2019, 13 loc/years 12–20" Precip Zone (Almira, Endicott, Lamont, Reardan), 2017–2019, 10 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genetics

509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





ARS CRESCENT

WINTER CLUB WHEAT

ARS Crescent is an intermediate to tall, awned, white kernel club wheat with competitive yield potential and good adult plant resistance to stripe rust and strawbreaker foot rot. ARS Crescent has excellent club wheat quality, high test weight and resistance to low falling numbers. ARS Crescent is competitive in the intermediate and higher rainfall regions of Washington.

AGRONOMICS

Yield Potential	Excellent
Protein	Good
Test Weight	Excellent
Maturity	
Height	
Quality	

DISEASE AND STRESS RESISTANCE

Stripe Rust	Adult plant resistance
Strawbreaker Foot Rot	
Snow Mold	Susceptible
Cephalosporium Stripe	
Falling Numbers	Resistant

ARS CRESCENT WINTER CLUB WHEAT

Four-Year Variety Testing Data from 2016–2019						
VARIETY *Club type	<12" YIELD (BU/A)	12–16" YIELD (BU/A)	16–20" YIELD (BU/A)	>20" YIELD (BU/A)	TEST WT (LB/BU)	PROTEIN (%)
ARS Crescent*	61	103	111	123	58.7	10.4
Castella *	65	96	111	119	58.6	10.1
Pritchett *	65	96	115	118	58.8	10.2
Bruehl *	61	101	112	126	58.2	10.8
Coda *	61	102	106	121	60.5	11.3
M-press	68	107	98	112	59.9	9.9
Norwest Duet	65	93	117	125	59.5	10.6
Otto	61	107	112	120	59.7	11.0
Puma	61	106	110	115	59.8	10.8
LSD (0.05)	3	6	9	9	0.3	0.1

<12" Precip Zone (Connell, Harrington, Horse Heaven, Lind, Ritzville, St. Andrews), 2016-2019

12-16" Precip Zone (Almira, Anatone, Creston, Dusty, Lamont, Reardan), 2016-2019

16–20" Precip Zone (Dayton, Mayview, St. John, Walla Walla), 2016-2019

>20" Precip Zone (Colton, Fairfield, Farmington, Pullman), 2016-2019

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreement: are required.





SOFT WHITE CLUB WHEAT

Castella, is a tall, awnless soft white club wheat, developed by the USDA-ARS and WSU from a diverse pedigree. Castella combines better stripe rust resistance than ARS Crescent with better test weight and higher grain yields than Bruehl. Castella has good club wheat quality, high test weight and good resistance to low falling numbers, similar to ARS Crescent. Castella is earlier maturing than other current club wheat cultivars and combines unique resistance to Hessian Fly with aluminum tolerance. Castella is competitive in central WA where early maturity is an advantage.

AGRONOMICS

Yield Potential	Excellent
Protein	Good
Test Weight	Medium
Maturity	
Height	
Quality	

Stripe Rust	Resistant
Strawbreaker Foot Rot	Susceptible
Snow Mold	Susceptible
Cephalosporium Stripe	and the second
Hessian Fly	
Aluminum	
Falling Numbers	Resistant

CASTELLA SOFT WHITE CLUB WHEAT

Four-Year Variety Testing Data from 2016–2019

VARIETY *Club type	<12" YIELD (BU/A)	12–16" YIELD (BU/A)	16-20" YIELD (BU/A)	>20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Castella*	65	96	111	119	58.6	10.1
Pritchett*	65	96	115	118	58.8	10.2
ARS Crescent*	61	103	111	123	58.7	10.4
Bruehl*	61	101	112	126	58.2	10.8
Coda*	61	102	106	121	60.5	11.3
M-press	68	107	98	112	59.9	9.9
Norwest Duet	65	93	117	125	59.5	10.6
Otto	61	107	112	120	59.7	11.0
Puma	61	106	110	115	59.8	10.8
LSD (0.05)	3	6	9	9	0.3	0.1

<12" Precip Zone (Connell, Harrington, Horse Heaven, Lind, Ritzville, St. Andrews), 2016-2019

12-16" Precip Zone (Almira, Anatone, Creston, Dusty, Lamont, Reardan), 2016-2019

16-20" Precip Zone (Dayton, Mayview, St. John, Walla Walla), 2016-2019

>20" Precip Zone (Colton, Fairfield, Farmington, Pullman), 2016-2019

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreements are required.





CHET HARD RED SPRING WHEAT

Chet, a tall hard red spring wheat from Washington State University, is our best variety option for low-rainfall areas of eastern Washington and Oregon.

Chet has very good adult plant stripe rust resistance, Hessian fly resistance, excellent test weight, very good aluminum tolerance, tall plant height with good straw strength, and very good-to-excellent yield potential across low rainfall areas of the PNW. Chet should replace Hollis and Kelse acres in low rainfall areas due to superior yield, test weight, protein content, and stripe rust resistance.

AGRONOMICS

Yield Potential	Very Good–Excellent
Test Weight	Excellent
Protein	
Maturity	Medium–Later
Height	
Quality	
Straw Strength	Very Good

Stripe Rust	Very Good Adult Resistance ¹
Hessian Fly	Resistant
Aluminum Tolerance	
¹ Early season application of fungicides should be considered to limit seedling infection	on.

CHET HARD RED SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	12–16" YIELD (BU/A)	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
LCS Luna	45	31	60.9	13.4
LCS Iron	45	33	60.0	13.0
Glee	44	31	62.0	13.4
Alum	44	32	61.5	13.7
Net CL+	44	33	62.1	13.8
Chet	44	31	61.6	14.2
AP Renegade	44	31	60.7	13.2
SY Selway	43	30	60.1	13.6
SY Gunsight	43	32	60.9	13.2
Kelse	42	29	61.8	14.2
LCS Buck Pronto	40	27	60.5	14.7
WB9668	37	27	61.1	15.7
WB9662	36	26	60.2	15.2
C.V. %	10 2	9 1	1.6 0.3	4.6 0.2
LSD (0.05)	Z	I	0.5	0.2

12–20" Precip Zone (Almira, Endicott, Lamont, Reardan), 2017–2019, 10 loc/years

<12" Precip Zone (Bickleton, Horse Heaven, Lind), 2017–2019, 8 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetic 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





CURIOSITY CL+

SOFT WHITE WINTER TWO-GENE IMI WHEAT

Curiosity CL+ is a soft white winter two-gene Imidazolinone tolerant (Clearfield) wheat variety developed and released in 2013 by the Agricultural Research Center of Washington State University. It's the first two-gene Clearfield (CL+) wheat variety released by WSU. Compared to the single-gene, the two-gene technology provides significantly better tolerance to Imidazolinone group of herbicide imazamox. Curiosity CL+ was developed using marker-assisted background selection approach. Compared to popular wheat varieties including those with Clearfield technology, Curiosity CL+ has higher yield potential, excellent snow mold resistance, and better stripe rust resistance. Curiosity CL+ is ideal for Pacific Northwest areas where ORCF102, ORCF103, Eltan and Xerpha are currently grown.

AGRONOMICS

Imidazolinone Tolerance	Two-gene
Yield Potential	
Test Weight	High
Grain Protein	-
Cookie Diameter	
Sponge Cake Performance	· · · · · · · · · · · · · · · · · · ·
Quality	

Stripe Rust	Moderately Resistant/Susceptible
Snow Mold	Better than Eltan
Winter Hardiness	Similar to Eltan
Cephalosporium Stripe	Similar to Eltan
Strawbreaker Foot Rot	

CURIOSITY CL+ SOFT WHITE WINTER WHEAT

Three-Year Variety Testing Data from 2017–2019

VARIETY	<12" YIELD (BU/A)	TEST WT (LB/BU)	PROTEIN (%)
Curiosity CL+	64	60.5	9.7
Mela CL+	64	60.3	10.0
Otto	62	60.1	10.7
ORCF102	61	60.6	10.6
Eltan	60	60.3	9.9
UI Magic CL+	58	60.7	10.7
WB1376CLP	55	61.8	11.8
C.V. %	9	1.9	6.0
LSD (0.05)	2	0.4	0.2

<12" Precip Zone (Bickleton, Connell, Harrington, Horse Heaven, Lind, Ritzville and St. Andrews), 2017–2019,

17 loc/years. Data was not available for (Bickleton), 2017 and 2019, (Harrington and Horse Heaven), 2019 for the analysis.

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





DEVOTE SOFT WHITE WINTER WHEAT

Devote is a soft white winter wheat developed and released in 2019 by the Agricultural Research Center of Washington State University. Devote was named in honor of all the past winter wheat breeders of WSU who devoted so much effort into developing germplasm for the low rainfall regions of the state. It is best adapted to the <15" annual rainfall production regions of Washington and Idaho. Devote has excellent yield potential under these dry conditions, and can take advantage of excess moisture during the growing season when it comes. It has excellent emergence from deep planting and very good cold tolerance. Devote also has an excellent disease package, combining stripe rust resistance, strawbreaker foot rot resistance, snow mold tolerance, and Fusarium crown rot tolerance.

AGRONOMICS

Yield Potential	Excellent
Protein	Good
Test Weight	High
Maturity	
Height	
Quality	

Stripe Rust	Excellent Adult Resistance
Strawbreaker Foot Rot	Excellent
Snow Mold	Similar to Otto
Fusarium Crown Rot	Tolerant

DEVOTE SOFT WHITE WINTER WHEAT

Three-Year Variety Testing Data from 2017–2019

VARIETY	<12" YIELD (BU/A)	12–16" YIELD (BU/A)	TEST WT (LB/BU)	PROTEIN (%)
Devote	65	99	61.3	10.3
Otto	62	98	60.1	10.4
Xerpha	67	109	59.8	9.8
Curiosity CL+	63	99	60.5	9.7
Norwest Duet	65	109	60.2	10.1
Bruehl	60	97	58.3	10.4
C.V. %	9	9	1.6	6.5
LSD (0.05)	2	4	0.3	0.2

<12" Precip Zone (Connell, Harrington, Lind, Ritzville, St. Andrews) 2017–2019, (Horse Heaven), 2017–2018, 17 loc/years 12–16" Precip Zone (Almira, Anatone, Creston, Reardan), 2017–2019, (Lamont), 2018–2019, 14 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





GLEE

HARD RED SPRING WHEAT

Glee is a hard red spring wheat developed by the Agricultural Research Center of Washington State University. Glee was named in honor of Virginia Gale Lee, an inspiring graduate student in the WSU Spring Wheat Breeding program who died from a rare, aggressive form of cancer in 2010.

Glee provides a combination of high yield potential and excellent disease resistance in dryland spring wheat production areas of the inland Pacific Northwest. Glee's five-year yield average is significantly higher than all comparison hard red spring varieties in WSU Variety Testing Trials from 12 to >20 inches of annual precipitation. Year after year, Glee performs.

AGRONOMICS

Yield Potential	Excellent
Protein	Average
Test Weight	Very Good
Maturity	Medium–Early
Height	Medium
Quality	Most Desirable

Stripe Rust	. Excellent Adult Resistance ¹
Hessian Fly	Resistant
¹ Farly season application of fungicides should be considered to limit seedling infection	

GLEE HARD RED SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	>20" YIELD (BU/A)	16–20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
AP Renegade	76	66	60.3	12.1
Alum	71	65	61.0	12.4
Net CL+	70	65	61.5	12.5
Glee	75	65	61.3	12.1
LCS Luna	72	64	60.8	12.4
LCS Iron	73	63	59.8	11.6
SY Selway	69	63	60.2	12.3
Kelse	67	62	60.8	13.0
Chet	71	61	61.6	12.8
SY Gunsight	72	61	61.6	13.0
LCS Buck Pronto	67	58	60.1	13.5
WB9668	63	54	61.0	14.0
WB9662	59	53	59.9	13.8
C.V. %	7	7	1.2	4.5
LSD (0.05)	2	2	0.2	0.2

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman), 2017–2019, 9 loc/years

16-20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2017-2019, 13 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genetics 509-659-4020, or contact your local

seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





HEDGE CL+ CLEARFIELD SPRING CLUB WHEAT

Hedge CL+ is a JD spring club wheat replacement with two-gene tolerance to Beyond[™] herbicide for use in rotation in Clearfield[™] production systems in dryland production zones of the Pacific Northwest. It has a yield record superior to JD, with excellent resistance to stripe rust, excellent test weight, high falling numbers and most desirable end-use quality. Tolerance to Group II herbicide soil carryover in Pacific Northwest production is of broad importance in Eastern Washington and Northern Idaho. Hedge CL+ provides an alternative to WB-1035CL+ and other soft spring wheat varieties and is particularly well-suited to low rainfall production areas where JD is also grown.

AGRONOMICS

Yield Potential	Very Good
Test Weight	Excellent
Protein	
Maturity	
Height	
Quality	
Straw Strength	

Stripe Rust	Excellent
Hessian Fly	Susceptible
Aluminum ToleranceIr	ntermediate

HEDGE CL+ CLEARFIELD SPRING CLUB WHEAT

Two-year WSU Variety Testing Data

VARIETY	16–20" YIELD (BU/A)	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
AP Mondovi CL2	68	29	60.3	12.0
Melba (club)	74	37	60.6	10.3
Louise	78	35	60.3	10.4
Tekoa	78	34	61.6	10.3
Hedge CL+ (club)	71	34	61.5	11.3
JD (club)	69	33	61.4	11.0
WB-1035CL+	66	32	59.7	11.8
WB6121	69	32	61.4	11.7
C.V. %	7	8	1.4	5.9
LSD (0.05)	2	1	0.3	0.2

16-20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2018-2019, 10 loc/years

12-16" Precip Zone (Almira, Endicott, Lamont, Reardan), 2018-2019, 8 loc/years

AVAILABILITY

For seed inquiries please call: Washington Genet

509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreements are required.





JASPER SOFT WHITE WINTER WHEAT

Jasper is a soft white winter wheat developed and released in 2014 by the Agricultural Research Center of Washington State University. Jasper is named after the first wheat breeder at WSU, William Jasper Spillman, and is the 100th release from WSU. Jasper provides a combination of excellent yield potential, great end-use quality, and good disease resistance for many production regions of the inland Pacific Northwest. Jasper is broadly adapted to many dryland and irrigated areas in the states of Washington and Idaho, and has maintained high yield potential across locations and years.

AGRONOMICS

Yield Potential	Excellent
Protein	Good
Test Weight	Low
Maturity	Average
Height	Medium
Quality	Most Desirable

Stripe Rust	Adult Plant Resistance
Strawbreaker Foot Rot	Tolerant
Snow Mold	Moderately Susceptible
Cephalosporium Stripe	Moderately Tolerant

JASPER SOFT WHITE WINTER WHEAT

Three-Year Variety Testing Data from 2017–2019

VARIETY	16-20" YIELD (BU/A)	>20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Jasper	104	121	60.0	10.2
SY Ovation	103	112	60.9	10.1
Purl	102	115	61.7	10.1
Rosalyn	113	126	59.9	9.3
Norwest Tandem	106	117	61.1	10.2
LCS Drive	98	106	59.8	10.3
Puma	102	112	61.2	10.2
C.V. %	7	7	0.9	4.8
LSD (0.05)	3	4	0.2	0.2

16–20" Precip Zone (Dayton, Eureka, Mayview, St. John, Walla Walla), 2017–2019, 15 loc/years >20" Precip Zone (Colton, Fairfield, Pullman), 2017–2019, (Farmington), 2018–2019, 11 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status with the Title 5 option. Signed grower agreements are required.





MELA CL+

SOFT WHITE WINTER TWO-GENE IMI WHEAT

Mela CL+ is a soft white winter two-gene Imidazolinone tolerant (Clearfield[™]) wheat variety developed and released in 2013 by the Agricultural Research Center of Washington State University. It's the second two-gene Clearfield (CL+) wheat variety released by WSU. Compared to the single-gene Clearfield[™], the two-gene technology provides significantly better tolerance to Imidazolinone group of herbicide imazamox. Mela CL+ was developed using marker-assisted background selection approach. Compared to popular wheat varieties including those with Clearfield[™] technology, Mela CL+ has higher yield potential, excellent snow mold resistance, and better stripe rust resistance. Mela CL+ is ideal for Pacific Northwest areas where ORCF103, Eltan and Xerpha are currently grown.

AGRONOMICS

Imidazolinone Tolerance	Two-gene
Yield Potential	
Test Weight	
Grain Protein	<u> </u>
Cookie Diameter	
Sponge Cake Performance	· · · · ·
Quality	

Stripe Rust	Moderately Resistant
Snow Mold	Better than Eltan
Winter Hardiness	Similar to Eltan
Cephalosporium Stripe	Equal to Eltan
Strawbreaker Foot Rot	Moderately Resistant

MELA CL+ SOFT WHITE WINTER WHEAT

Three Year Variety Testing Data from 2017–2019

VARIETY	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Mela CL+	64	60.3	10.0
Curiosity CL+	64	60.5	9.7
Otto	62	60.1	10.7
ORCF102	61	60.6	10.6
Eltan	60	60.3	9.9
UI Magic CL+	58	60.7	10.7
WB1376CLP	55	61.8	11.8
C.V. %	9	1.9	6.0
LSD (0.05)	2	0.4	0.2

<12" Precip Zone (Bickleton, Connell, Harrington, Horse Heaven, Lind, Ritzville and St. Andrews), 2017–2019,

17 loc/years. Data was not available for (Bickleton), 2017 and 2019, (Harrington and Horse Heaven), 2019 for the analysis.

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





CLUB SPRING WHEAT

Melba is intended as a replacement for JD club spring wheat in intermediate, high rainfall, and irrigated production areas of the Pacific Northwest. Melba has similar maturity as JD, with shorter plant height, lower protein content, excellent resistance to stripe rust, very good test weight, and superior yield potential in intermediate, high rainfall, and irrigated production areas. Like JD, Melba is susceptible to Hessian fly. Melba is broadly adapted and has performed well in all production regions in the PNW.

AGRONOMICS

Yield Potential	Excellent
Test Weight	Very Good
Maturity	Medium-Late
Height	Short
Quality	Most Desirable
Straw Strength	Excellent

Stripe Rust	Excellent
Hessian Fly	Susceptible
Aluminum Tolerance	Not Tolerant

MELBA CLUB SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	>20" YIELD (BU/A)	16–20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Ryan	79	72	60.2	9.8
Tekoa	78	71	61.6	9.7
Seahawk	78	70	60.8	10.0
Whit	75	69	60.2	9.9
WB6341	74	70	60.2	9.3
Melba (club)	72	67	60.2	9.6
Louise	72	71	59.9	9.8
Diva	71	70	60.2	9.9
WB6121	69	63	61.3	10.9
JD (club)	69	63	61.2	10.4
C.V. %	6	7	1.1	5.0
LSD (0.05)	2	2	0.2	0.1

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman), 2017–2019, 12 loc/years

16-20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2017-2019, 13 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.




CLEARFIELD[™] HARD RED SPRING WHEAT

Net CL+ is a broadly-adapted hard red spring wheat with two-gene tolerance to Beyond[™] herbicide for use in rotation in Clearfield[™] production systems in all production zones of the Pacific Northwest. It has an excellent yield record, with above average grain protein, good adult resistance to stripe rust, medium height with very good straw strength, very good test weight, and Hessian fly resistance in low, intermediate, high rainfall production areas. Net CL+ combines top-end yield potential, high test weight, and above average grain protein compared to most hard red spring wheat varieties including Alum, Glee, Kelse, SY Selway, and comparison Clearfield[™] varieties including SY605 CL and WB9879 CL+. Tolerance to Group II herbicide soil carryover in Pacific Northwest production is of broad importance in Eastern Washington and Northern Idaho.

AGRONOMICS

Yield Potential	Excellent
Protein	
Test Weight	
Maturity	· · · · · · · · · · · · · · · · · · ·
Height	
Quality	
Straw Strength	

Stripe Rust	Good Adult Resistance
Hessian Fly	Resistant
Aluminum Tolerance	Not tolerant

NET CL+ HARD RED SPRING WHEAT

Three-year WSU Variety Testing Data

VARIETY	16–20" YIELD (BU/A)	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
LCS Iron	63	33	60.5	12.4
Net CL+	65	33	62.1	13.4
SY Gunsight	61	32	61.2	12.7
Alum	65	32	61.7	13.2
LCS Luna	64	31	61.2	13.0
SY Coho	58	31	59.1	13.2
AP Renegade	66	31	61.1	12.9
Glee	65	31	62.0	12.9
Chet	61	31	61.8	13.7
SY605 CL	56	28	61.8	14.0
LCS Buck Pronto	58	27	60.6	14.2
WB9668	54	27	61.3	15.1
WB9662	53	26	60.7	14.6
C.V. %	7	9	1.4	4.1
LSD (0.05)	2	1	0.2	0.2

16–20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2017–2019, 13 loc/years,

<12" Precip Zone (Bickleton, Horse Heaven, Lind), 2017–2019, 8 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

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





OTTO SOFT WHITE WINTER WHEAT

Otto is a soft white winter wheat developed and released in 2011 by the Agricultural Research Center of Washington State University. Otto was named in honor of Otto Amen, a former state representative, WSU alumnus, and wheat producer who established an endowment to fund dryland wheat research in Washington.

Otto provides a combination of excellent yield potential and excellent disease resistance in dryland winter wheat production areas of the inland Pacific Northwest. Otto is best adapted to regions of Washington, Idaho, and Oregon where Eltan, Bruehl, and Xerpha are currently grown.

AGRONOMICS

Yield Potential	Excellent
Protein	Good
Test Weight	Similar to Eltan
Maturity	Equal to Eltan
Height	Equal to Eltan
Quality	Desirable

Stripe Rust	Excellent
Strawbreaker Foot Rot	Similar to Madsen
Snow Mold	Equal to Eltan

OTTO SOFT WHITE WINTER WHEAT

Four-Year Variety Testing Data from 2016–2019

VARIETY	<12" YIELD (BU/A)	12–16" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Otto	60	97	60.2	10.5
Puma	59	103	60.2	10.4
Xerpha	66	108	59.9	9.9
Mela CL+	61	93	60.5	10.1
Curiosity CL+	61	97	60.6	9.9
Bruehl	60	98	58.5	10.3
Norwest Duet	64	107	60.3	10.2
LCS Sonic	64	110	59.6	10.2
C.V. %	9	9	1.5	6.9
LSD (0.05)	2	3	0.2	0.2

<12" Precip Zone (Connell, Harrington, Horse Heaven, Lind, Ritzville, St. Andrews), 23 loc/years,

12-16" Precip Zone (Almira, Anatone, Creston, Lamont, Reardan), 20 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





PRITCHETT

Pritchett, a winter club wheat developed by Washington State University and the USDA-ARS, is targeted to the traditional low-intermediate rainfall club wheat growing region. Pritchett was named in honor of John Pritchett, who served the USDA-ARS wheat breeding program from 1957–2000.

Pritchett has excellent emergence from deep sowing, excellent club wheat quality, and excellent resistance to stripe rust and Cephalosporium stripe disease. Pritchett should replace Bruehl in low rainfall areas due to superior yield, test weight, milling quality, eyespot tolerance, earlier maturity, similar winter survival and moderate snow mold resistance. Pritchett has been intermediate to Bruehl and ARS Crescent for tolerance to low falling numbers. Grain of Pritchett grades as club wheat more consistently than Bruehl.

AGRONOMICS

Emergence	Excellent
Yield Potential	Very Good
Test Weight	Very Good
Maturity	Similar to Xerpha
Quality	Excellent
Straw Strength	
Protein	-

Stripe Rust	Excellent Adult Resistance
Eyespot	Good
Cephalosporium Stripe	Very Good

PRITCHETT CLUB WINTER WHEAT

Four-Year Variety Testing Data from 2016–2019

VARIETY *Club type	<12" YIELD (BU/A)	12–16" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Pritchett*	65	106	59.1	9.9
Bruehl*	61	100	58.4	10.2
ARS Crescent*	61	103	59.5	9.9
Castella*	65	95	59.8	9.7
LCS-Hulk	65	107	60.7	10.4
Norwest Duet	65	105	60.1	10.2
Curiosity CL+	62	96	60.2	9.8
Otto	61	96	60.1	10.6
Xerpha	66	104	59.8	9.9
UI Magic CL+	57	95	60.9	10.7
LSD (0.05)	3	6	0.3	0.1

<12" Precip Zone (Connell, Harrington, Horse Heaven, Lind, Ritzville, St. Andrews), 2016–2019

12-16" Precip Zone (Almira, Anatone, Creston, Dusty, Lamont, Reardan), 2016-2019

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreements are required.





PUNA SOFT WHITE WINTER WHEAT

Puma is a soft white winter wheat developed and released in 2013 by the Agricultural Research Center of Washington State University. Puma provides a combination of excellent yield potential, test weight, end-use quality, and disease resistance for intermediate to high rainfall dryland winter wheat production areas of the inland Pacific Northwest. Puma is best adapted to regions of Washington, Idaho, and Oregon where Madsen, WB-528, WB-1529, and SY Ovation are currently under production. Puma has a unique disease resistant package for areas where low pH, Cephalosporium stripe, strawbreaker foot rot, and stripe rust are of concern.

AGRONOMICS

Yield Potential	Excellent
Test Weight	High
Grain Protein	Good
Maturity	Average
Height	
Quality	

Stripe Rust	Excellent Adult Resistance
Strawbreaker Foot Rot	Excellent
Cephalosporium Stripe	Moderately Tolerant
Aluminum Tolerance	Moderately Tolerant

PUMA SOFT WHITE WINTER WHEAT

Four-Year Variety Testing Data from 2016–2019

VARIETY	16-20" YIELD (BU/A)	>20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Puma	104	119	61.2	10.3
SY Ovation	107	118	61.2	10.2
Purl	106	123	61.9	10.2
Rosalyn	118	135	60.2	9.4
SY Assure	104	118	62.0	10.7
LCS Artdeco	111	120	60.3	9.8
SY Dayton	110	121	61.3	10.1
C.V. %	6	6	0.9	4.7
LSD (0.05)	3	3	0.2	0.1

16–20" Precip Zone (Dayton, Mayview, St. John, Walla Walla), 2016–2019, (Eureka), 2017–2019, 19 loc/years >20" Precip Zone (Colton, Pullman, Fairfield), 2016–2019, (Farmington), 2016, 2018–2019, 15 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





PURL SOFT WHITE WINTER WHEAT

Purl is a soft white winter wheat developed and released in 2018 by the Agricultural Research Center of Washington State University. Purl provides a combination of excellent yield potential, high test weight, good end-use quality, and disease resistance. Purl is best adapted to the intermediate to high rainfall dryland production regions of the inland Pacific Northwest. The unique disease resistance package and high yield potential of Purl makes it an ideal cultivar for growers looking to minimize risk and maximize profit on their farms.

AGRONOMICS

Yield Potential	Excellent
Test Weight	High
Grain Protein	
Maturity	Average
Height	
Quality	

Stripe Rust	Excellent Adult Resistance
Strawbreaker Foot Rot	Excellent
Nematodes	Resistant to Heterodera avenae
Aluminum Tolerance	Moderately Tolerant

PURL SOFT WHITE WINTER WHEAT

Three-Year Variety Testing Data from 2017–2019

VARIETY	16-20" YIELD (BU/A)	>20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Purl	99	115	61.6	10.1
SY Ovation	99	112	60.9	10.1
Rosalyn	110	126	59.9	9.3
Norwest Duet	100	118	61.1	10.1
Norwest Tandem	104	117	61.1	10.1
LCS Drive	95	106	59.7	10.2
C.V. %	7	7	0.9	4.8
LSD (0.05)	3	4	0.2	0.1

16–20" Precip Zone (Dayton, Eureka, Mayview, St. John, Walla Walla), 2017–2019, (Dusty), 2018–2019, 17 loc/years >20" Precip Zone (Colton, Fairfield, Pullman), 2017–2019, (Farmington), 2018–2019, 11 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreement: are required.





RESILIENCE CL+

SOFT WHITE WINTER TWO-GENE IMI WHEAT

Resilience CL+ is a soft white winter two-gene Imidazolinone tolerant (Clearfield) wheat variety developed and released in 2016 by the Agricultural Research Center of Washington State University. Compared to the single-gene, the two-gene technology provides significantly better tolerance to Imidazolinone group of herbicide imazamox. Resilience CL+ was developed using marker-assisted background selection approach. Compared to popular wheat varieties including that with Clearfield technology, Resilience CL+ has high yield potential, excellent stripe rust resistance, and strawbreaker foot rot resistance. Resilience CL+ is an ideal variety for high rain fall region of Pacific Northwest areas where ORCF102 and SY Ovation are currently grown.

AGRONOMICS

Imidazolinone Tolerance	Two-gene
Yield Potential	Very Good-Excellent
Test Weight	High
Maturity	Medium
Height	Medium
Quality	Desirable

Stripe RustHighly Resista	ant
Winter HardinessSimilar to Made	sen
Cephalosporium StripeEqual to Made	sen
Strawbreaker Foot RotSimilar to Made	sen

RESILIENCE CL+ SOFT WHITE WINTER WHEAT

Three Year Variety Testing Data from 2017–2019*

VARIETY	>20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Resilience CL+	110	60.7	10.2
ORCF102	110	60.9	10.2
SY Ovation	112	60.0	9.8
Puma	112	60.3	9.8
UI Magic CL+	113	61.3	10.2
Madsen	107	60.4	10.3
OR2X2 CL+	101	60.4	10.8
WB1376CLP	100	62.6	11.2
C.V. %	7	1.1	4.3
LSD (0.05)	3	0.3	0.2

>20" Precip Zone (Colton, Fairfield, Farmington and Pullman), 2017–2019, 11 loc/years *Data was not available for Farmington, 2017 for the analysis

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





RYAN SOFT WHITE SPRING WHEAT

Ryan is a broadly-adapted soft white spring wheat released in 2016 by Washington State University that may be grown in all production zones of the Pacific Northwest. It has early maturity, very good adult resistance to stripe rust, shorter height with very good straw strength, good test weight, Hessian fly resistance, aluminum tolerance, and excellent yield potential in low, intermediate, high rainfall, and irrigated production areas. Ryan uniquely packages early maturity, top-end yield potential, and yield protection traits compared to soft white spring wheat varieties including Whit, Babe, Diva, Louise, and others.

AGRONOMICS

Yield Potential	Excellent
Test Weight	Good
Maturity	Early
Height	Medium Short
Quality	Most Desirable
Straw Strength	Very Good

Stripe Rust	Very Good Adult Resistance
Hessian Fly	Resistant
Aluminum Tolerance	Excellent

RYAN SOFT WHITE SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	>20" YIELD (BU/A)	16–20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Ryan	79	72	60.2	9.8
Tekoa	78	71	61.6	9.7
Seahawk	78	70	60.8	10.0
Whit	75	69	60.2	9.9
WB6341	74	70	60.2	9.3
Louise	72	71	59.9	9.8
Diva	71	70	60.2	9.9
WB6121	69	63	61.3	10.9
SY Saltese	65	65	60.6	9.8
WB-1035CL+	64	61	59.6	11.1
C.V. %	6	7	1.1	5.0
LSD (0.05)	2	2	0.2	0.1

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman), 2017–2019, 12 loc/years

16-20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2017-2019, 13 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





SCORPIO

HARD RED WINTER WHEAT

Scorpio is a hard red winter wheat developed and released in 2019 by the Agricultural Research Center of Washington State University. Scorpio is well adapted across the >15" rainfall zones of the Pacific Northwest. It has very high yield potential, high test weight, and very good protein content. Scorpio has excellent adult plant resistance to stripe rust, is tolerant of low pH soils, and has Hessian fly resistance. The end-use quality of Scorpio is also very good, meeting the standards of both domestic and export markets.

AGRONOMICS

Yield Potential	Excellent
Protein	Very Good
Test Weight	High
Maturity	
Height	
Quality	

Stripe Rust	Excellent Adult Resistance
Strawbreaker Foot Rot	Susceptible
Aluminum Tolerance	Excellent
Winter Hardiness	Very Good
Hessian Fly	Resistant

SCORPIO HARD RED WINTER WHEAT

Three-Year Variety Testing Data from 2017–2019

VARIETY	>16" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HEIGHT (INCHES)
Scorpio	111	61.8	11.4	34
LCS Jet	115	62.4	11.2	35
SY Touchstone	107	63.4	11.6	34
Keldin	108	63.2	11.2	37
LCS Rocket	117	61.2	10.6	34
C.V. %	6	1.0	4.0	4
LSD (0.05)	3	0.3	0.2	1

>16" Precip Zone (Dayton, Walla Walla, Pullman), 2017–2019, (Eureka), 2018–2019, 11 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreements are required.





SEAHAVK

Seahawk uniquely packages outstanding defense traits and very good yield potential—a winning combination.

Seahawk is nearly immune to stripe rust based on a combination of seedling and adult plant resistance genes and holds-up without fungicide application under the most severe epidemics. Seahawk genetics are mainly based on Whit and Alpowa backgrounds—proven across the PNW over the past 20 years. Hessian fly resistance, superior test weight, very good aluminum tolerance, Fusarium head scab tolerance, shorter plant height with good straw strength, and very good-to-excellent yield potential in intermediate, high rainfall, and irrigated production areas of the PNW round-out Seahawk's complete package. Seahawk should be of particular interest to growers in Spokane, eastern Whitman, Columbia, and Walla Walla counties, northern and southern Idaho, and the Willamete Valley of Oregon.

AGRONOMICS

Yield Potential	Very Good–Excellent
Test Weight	Excellent
Maturity	Medium-Later
Height	Medium
Quality	Most Desirable
Straw Strength	Very Good

Stripe RustE	xcellent
Hessian FlyR	lesistant
Aluminum ToleranceE	xcellent

SEAHAWK SOFT WHITE SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	>20" YIELD (BU/A)	16–20" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Ryan	79	72	60.2	9.8
Tekoa	78	71	61.6	9.7
Seahawk	78	70	60.8	10.0
Whit	75	69	60.2	9.9
WB6341	74	70	60.2	9.3
Louise	72	71	59.9	9.8
Diva	71	70	60.2	9.9
WB6121	69	63	61.3	10.9
SY Saltese	65	65	60.6	9.8
WB-1035CL+	64	61	59.6	11.1
C.V. %	6	7	1.1	5.0
LSD (0.05)	2	2	0.2	0.1

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman), 2017–2019, 12 loc/years

16-20" Precip Zone (Dayton, Mayview, Plaza, St. John, Walla Walla), 2017-2019, 13 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.





SEQUOIA

HARD RED WINTER WHEAT

Sequoia is a hard red winter wheat developed and released in 2015 by the Agricultural Research Center of Washington State University. Sequoia provides a combination of superior emergence, excellent yield potential, and desirable end-use quality for dryland winter wheat production areas in the Inland Pacific Northwest. Data indicate Sequoia emerges faster than comparison varieties such as Finley and Farnum. Sequoia is best adapted for regions in Washington and Oregon receiving less than 12 inches average annual precipitation in a deep-furrow planting system, where the varieties Farnum, Finely and Bauermeister have historically been grown, and is an excellent choice where emergence and high yield potential are desired.

AGRONOMICS

Yield Potential	Excellent
Emergence	Excellent
Protein	Average
Test Weight	High
Height	
Straw Strength	Very Good
Cold Tolerance	Very Good
Quality	Desirable

Stripe Rust	Adult Plant Resistance
Strawbreaker Foot Rot	Susceptible
Snow Mold	Susceptible

SEQUOIA HARD RED WINTER WHEAT

Four-Year Variety Testing Data from 2016–2019

VARIETY	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HEIGHT (inches)
Sequoia	55	60.9	11.0	42
Farnum	47	59.2	11.9	40
Whetstone	51	61.4	11.9	33
SY Touchstone	51	61.6	12.0	30
Keldin	57	61.7	11.1	34
C.V. %	10	2.0	6.0	4.9
LSD (0.05)	2	0.3	0.3	0.6

<12" Precip Zone (Connell, Horse Heaven, Lind, Ritzville, St. Andrews), 19 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

Signed grower agreements are required.





STINGRAY CL+

SOFT WHITE WINTER TWO-GENE IMI WHEAT

Stingray CL+ is a soft white winter two-gene Imidazolinone tolerant (Clearfield) wheat, developed and released in 2019 by the Agricultural Research Center of Washington State University. Stingray CL+ has excellent resistance to Imazamox herbicide applications under recommended label rates. This cultivar provides a combination of broad adaptability, excellent grain yield potential, high test weight, good end-use quality, and disease resistance. Stingray CL+ is adapted to the broad dryland production regions of Washington and Northern Oregon. The excellent agronomic and disease package of Stingray CL+, along with resistance to Imazamox, makes it an ideal cultivar for growers looking to control weeds and maximize profits on their farms.

AGRONOMICS

Yield Potential	Excellent
Protein	Good
Test Weight	High
Maturity	
Height	
Quality	

Stripe Rust	Excellent Adult Resistance
Strawbreaker Foot Rot	Very Good
Snow Mold	Moderately Susceptible

STINGRAY CL+ SOFT WHITE WINTER WHEAT

Three-Year Variety Testing Data from 2017–2019

VARIETY	>16" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HEIGHT (INCHES)
Stingray CL+	103	61.2	10.6	35
UI Castle CL+	99	61.7	10.9	36
UI Magic CL+	101	62.1	10.6	33
ORCF 102	100	61.6	10.6	37
Resilience CL+	98	61.7	10.6	34
C.V. %	6	0.9	4.2	4
LSD (0.05)	2	0.2	0.2	1

>16" Precip Zone (Eureka, Walla Walla), 2017–2019, (Dayton), 2017–2018, (Dusty, Mayview, St. John, Colton, Fairfield, Farmington, Pullman), 2018–2019, 22 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is pending. Signed grower agreements are required.





TEKOA SOFT WHITE SPRING WHEAT

Tekoa has top-end yield potential, combined with desirable yield protection traits, and excellent quality. Tekoa is a soft white spring wheat variety released by Washington State University that may be grown in all production zones of the Pacific Northwest. It has later maturity, very good resistance to stripe rust, medium height with very good straw strength, very good test weight, Hessian fly resistance, aluminum tolerance, and excellent yield potential in low, intermediate, high rainfall, and irrigated production areas. As a later maturity variety with high test weight, it may provide a valuable option to mitigate risks and take advantage of years with above average moisture in all production regions.

AGRONOMICS

Yield Potential	Excellent
Test Weight	Very Good
Maturity	Medium–Late
Height	Medium
Quality	Most Desirable
Straw Strength	Excellent

Stripe Rust Very Good to E	xcellent
Hessian FlyR	lesistant
Aluminum ToleranceE	xcellent

TEKOA SOFT WHITE SPRING WHEAT

Three-Year WSU Variety Testing Data

VARIETY	>20" YIELD (BU/A)	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Ryan	79	34	60.1	10.3
Текоа	78	34	61.4	10.2
Seahawk	78	33	60.7	10.6
Whit	75	34	60.0	10.4
WB6341	74	35	59.9	9.7
Louise	72	35	59.9	10.2
Diva	71	34	60.1	10.5
WB6121	69	32	61.1	11.3
SY Saltese	65	33	60.7	10.3
WB-1035CL+	64	32	59.5	11.5
C.V. %	6	8	1.3	4.2
LSD (0.05)	2	1	0.2	0.1

>20" Precip Zone (Fairfield, Farmington, Palouse, Pullman), 2017–2019, 12 loc/years

<12" Precip Zone (Bickleton, Horse Heaven, Lind), 2017–2019, 8 loc/years

AVAILABILITY

For seed inquiries please call:

Washington Genetics 509-659-4020, or contact your local seed dealer.

U.S. Plant Variety Protection status for this cultivar is approved. Signed grower agreements are required.







Mission

The WSU Extension Cereal Variety Testing Program provides growers and the agribusiness industry with comprehensive information on the adaptation and performance of winter and spring wheat and barley varieties across the different climatic regions of eastern Washington. The program also provides WSU and USDA/ARS wheat breeding programs a uniform testing and evaluation program for preliminary wheat and barley lines to assist in determinations for variety release recommendations to the Washington Agricultural Research Center.



WSU CEREAL VARIETIES

FOR MORE INFORMATION

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