

2016 WSCIA

CERTIFIED SEED Buying Guide

Spring Wheat

Legumes

Spring Barley

Winter Wheat



Washington State University Department of
Crop and Soil Sciences in cooperation with

**Washington State Crop
Improvement Association**

2575 NE Hopkins Ct. Pullman, WA 99163
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-----COMPARABLE CHARACTERISTICS-----

SPRING WHEAT

SOFT WHITE COMMON

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS STATUS	PRECIPITATION ZONE (INCHES)				IRRIGATED*
				<12"	12"-16"	16"-20"	>20"	
Babe	WSU	2009	Certified	105	93	100	113	105
Diva	WSU	2010	Certified	110	100	107	111	90
Louise	WSU	2004	Certified	100	100	100	100	100
Seahawk (WA 8162)	WSU	2014	Foundation	100	77	98	110	100
UI-Stone	UI	2012	Foundation	100	83	98	108	111
WB-1035CL+©	Westbred LLC	2011	Certified	100	87	93	103	99
†WB6121	Westbred LLC	2013	Certified	116	109	110	102	--
WB6341	Westbred LLC	2013	Certified	110	97	105	113	--
Whit	WSU	2008	Certified	105	93	102	116	103

SOFT WHITE CLUB

JD	WSU	2009	Certified	110	87	100	110	84
Melba (WA 8193)	WSU	2015	Breeder	105	73	100	110	102
<i>Yield of LOUISE (BU/A)</i>				20	30	43	63	125

HARD RED

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS STATUS	Yield as a % of JEFFERSON				
				100	113	100	102	91
Alum (WA 8166)	WSU	2014	Registered	105	113	100	102	91
Bullseye	AgriPro Wheat	2009	Certified	111	79	98	102	98
Chet (WA 8165)	WSU	2014	Registered	105	125	100	98	86
Glee	WSU	2012	Certified	105	104	107	105	95
Hollis	WSU	2003	Certified	100	113	98	97	86
Jefferson	UI	1997	Certified	100	100	100	100	100
Kelse	WSU	2008	Certified	100	96	95	98	91
LCS Buck Pronto	Buck Semillas S. A.	2001	Certified	95	88	93	94	90
Scarlet	WSU	1999	Certified	95	92	95	94	87
SY Steelhead	Syngenta Cereals	2013	Certified	105	104	95	98	--
SY605 CL©	Syngenta Cereals	2010	Certified	100	79	86	97	89
WB9879CLP©	Westbred LLC	2010	--	105	96	98	103	85
<i>Yield of JEFFERSON (BU/A)</i>				19	24	42	63	125

HARD WHITE

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS STATUS	Yield as a % of DAYN				
				100	100	100	100	100
Dayn (WA 8123)	WSU	2012	Certified	100	100	100	100	100
LCS Atomo	Limagrain Cereal Seeds	--	--	116	100	105	104	--
LCS Star	Limagrain Cereal Seeds	--	--	105	92	102	99	89
UI-Platinum	UI	2015	--	111	92	102	97	94
<i>Yield of DAYN (BU/A)</i>				19	24	42	68	134

KEY to Symbols Used in Spring and Winter Wheat Variety tables

†: Data from 2015 Variety Testing trials only.

©: Variety contains BASF-patented Clearfield trait for Beyond resistance. Clearfield® varieties were not treated with Beyond® herbicide since experiments were designed to compare each entry under uniform conditions. Applying Beyond® to Clearfield® varieties could create bias in the trials since all entries would not be managed the same.

*: Disease Scale Key: 1,2 = Resistant; 3,4 = Moderately Resistant; 5 = Moderate; 6,7 = Moderately Susceptible; 8,9 = Susceptible. Disease ratings are based on recently observed disease symptoms but data are limited

** : Stripe rust ratings are based on 2015 data from Dr. Xianming Chen at USDA-ARS, Pullman, WA.

✕: Irrigated data are from 2013 and 2014.

—: Information not available or not relevant to data set.

#: Winter Survival Index based on Variety Testing field observations and laboratory studies conducted by USDA-ARS, Pullman, WA

Quality ratings: **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)**—One or more critical flaws in quality are present in these varieties. The intrinsic quality of PNW wheat will be improved if these varieties are not planted.

-----COMPARABLE CHARACTERISTICS-----

TEST WEIGHT (LBS/BU)	PRECIPITATION ZONE (INCHES)				IRRIGATED*	PLANT HEIGHT INCHES	MATURITY	DISEASE REACTIONS *			VARIETY
	<12"	12-16"	16"-20"	>20"				STRIPE RUST**	HESSIAN FLY	QUALITY RATING	
58.9	13.2	13.7	12.5	10.6	12.1	29	Med.-Late	8	5	MD	Babe
58.7	12.6	14.0	12.4	10.7	13.9	30	Med.-Late	3	2	MD	Diva
57.2	12.9	13.9	12.6	11.0	13.4	31	Med.-Late	3	3	MD	Louise
59.1	12.9	14.6	12.7	12.1	12.9	27	Med.-Late	1	1	MD	Seahawk (WA 8162)
59.4	12.8	13.7	12.3	11.1	11.6	28	Early-Med.	5	9	MD	UI-Stone
58.2	14.4	15.2	14.1	12.3	13.4	27	Early-Med.	7	2	--	WB-1035CL+©
58.3	14.1	14.4	12.8	11.7	--	26	Early	2	--	--	†WB6121
58.4	12.4	12.9	11.8	10.8	--	27	Early-Med.	5	1	--	WB6341
57.9	13.0	14.2	12.8	11.2	12.8	29	Early-Med.	4	2	MD	Whit

59.9	12.9	14.5	13.0	11.5	14.0	30	Med.-Late	1	9	MD	JD
58.5	13.0	14.7	12.7	10.9	12.1	26	Med.-Late	3	9	--	Melba (WA 8193)

-----% Protein-----

59.1	15.5	16.1	15.2	14.0	15.3	29	Med.-Late	4	1	MD	Alum (WA 8166)
60.9	15.3	16.4	14.9	14.3	14.8	25	Early-Med.	5	1	D	Bullseye
60.0	15.8	16.4	15.8	15.0	16.1	34	Medium	3	1	MD	Chet (WA 8165)
59.7	15.1	16.2	14.5	13.4	14.3	28	Early-Med.	3	1	MD	Glee
58.5	16.0	16.0	15.8	15.2	14.9	34	Early-Med.	6	1	MD	Hollis
59.2	15.7	16.4	15.1	14.0	13.8	28	Early-Med.	7	3	D	Jefferson
58.7	16.1	17.1	15.7	14.6	15.4	30	Medium	6	2	D	Kelse
58.6	16.2	16.9	15.9	14.9	13.8	27	Early-Med.	6	8	D	LCS Buck Pronto
57.7	15.6	16.2	15.0	14.2	14.9	30	Medium	7	9	D	Scarlet
59.9	16.2	16.6	15.5	14.8	--	28	Med.-Late	4	--	--	SY Steelhead
60.2	16.1	17.0	15.7	14.5	15.5	29	Early	9	9	MD	SY605 CL©
58.8	15.9	16.7	15.5	14.1	15.2	28	Med.-Late	6	--	--	WB9879CLP©

-----% Protein-----

59.2	15.1	15.9	14.3	13.0	13.9	29	Early-Med.	2	9	D	Dayn (WA 8123)
59.3	13.9	15.2	13.7	12.7	--	22	Early-Med.	5	--	--	LCS Atomo
57.9	15.0	15.3	14.4	13.5	14.4	25	Medium	1	--	--	LCS Star
59.8	14.0	14.9	13.7	12.9	13.7	26	Early	4	9	--	UI-Platinum

VARIETY PERFORMANCE RESULTS: The information provided in this buyer's guide is the result of a cooperative effort among WSCIA, WSU and private seed companies. Unless otherwise noted, agronomic data contained in this buyer's guide are two-year averages from testing sites of WSU's Extension Cereal Variety Testing Program. Plant height and test weight are averages of all test sites.

The % protein (12% moisture basis) and yield performance is summarized within several precipitation zones including irrigated. Yield values are listed as a percent of a specific check variety for each market classification. Actual average yield values are listed for check varieties at the bottom of each market class section. Information on variety performance at specific locations in individual years can be found at: <http://variety.wsu.edu>.

An additional method of comparing variety performance is the Variety Selection Tool, located on the wheat and small grains website: <http://smallgrains.wsu.edu>. The Variety Selection Tool lets you choose your precipitation zone and market class of grain, then populates an interactive table with a two-year average of agronomic data, as well as disease ratings and other variety characteristics. Columns of information are moveable, sortable, and can be filtered to display only varieties that meet your chosen criteria.

GRAIN LEGUMES

LENTIL

Variety	Originator	Type/Class	Colton	Palouse	Walla Walla	2015 Average Yield (lbs/ac)	2013-2015 Average Yield (lbs/ac)	Height (inches)**	Erect Index ^o
			2015 Yield (lbs/ac)						
Avondale	USDA/ARS-WSU	Richlea	890	1300	1150	1110	1520	13	0.96
Crimson	USDA/ARS-WSU	Turkish Red	550	1130	970	890	1190	11	0.90
Eston	University of Saskatchewan	Eston	550	900	1150	870	1280	12	0.96
LC01602273E‡	USDA/ARS-WSU	Eston	1040	1200	1040	1090	1380	12	0.94
LC06601734L‡	USDA/ARS-WSU	Laird	440	1070	1020	850	1230	13	0.89
Merrit	USDA/ARS-WSU	Laird	610	1320	890	940	1260	13	0.91
Pardina	Spain	Pardina	810	1390	820	1000	1340	11	0.92
Richlea	CDC-Ag. Canada	Richlea	700	1210	1230	1050	1460	11	0.91

CHICKPEA

Variety	Originator	Colton	Farmington	Palouse	Walla Walla	2015 Average Yield (lbs/ac)	2013-2015 Average Yield (lbs/ac)	100 Seed Weight (grams)	Height (inches)**
		2015 Yield (lbs/ac)							
Billy Beans	PNW	1510	1720	1780	2590	1900	1960	30.3	18
CA0790B0043C	USDA/ARS-WSU	1170	1070	1690	2310	1560	1740	49.9	19
CA0790B0054C	USDA/ARS-WSU	960	1400	1750	2300	1600	1720	51.5	18
CDC Frontier	CDC-Ag. Canada	1160	1560	2090	3030	1960	1970	35.7	16
CDC Orion	CDC-Ag. Canada	1330	1580	1780	1280	1490	1820	43.2	15
Myles	USDA/ARS-WSU	1220	1340	1600	2110	1570	1690	18.3	14
Nash	USDA/ARS-WSU	1160	1110	1570	1550	1350	1580	56.9	16
Royal	USDA/ARS-WSU	870	600	1750	1900	1280	--	52.5*	18
Sawyer	USDA/ARS-WSU	1150	1280	1630	1820	1470	1680	42.8	17
Sierra	USDA/ARS-WSU	800	530	1690	1890	1230	1370	47.4	17

PEA

Variety	Originator	Colton	Palouse	Walla Walla	2015 Average Yield (lbs/ac)	2013-2015 Average Yield (lbs/ac)	100 Seed Weight (grams)	Height (inches)**	Erect Index ^o
		2015 Yield (lbs/ac)							
Yellow Pea									
Carousel	ProGene	1750	1840	2070	1890	2290	22.2	24	1.00
PS07100925‡	USDA/ARS-WSU	1580	1950	1990	1840	2070	23.4	18	1.00
PS08101004‡	USDA/ARS-WSU	1690	2140	2020	1950	2270	22.2	20	0.94
Universal	--	1840	2000	2080	1970	2350	19.3*	23	1.00
Green Pea									
Aragorn	ProGene	1700	1960	1660	1770	2040	18.8	22	0.99
Ariel	Crop & Food Res., NZ	1660	1790	1690	1710	2050	17.1	22	1.00
Banner	ProGene	1940	1950	1810	1900	2160	18.5	24	0.97
Columbian	Campbell Soup Co.	1450	1660	1290	1470	1430	19.1	29	0.39
Ginny	ProGene	1980	1900	1850	1910	2140	18.8	22	1.00
Greenwood	ProGene	1720	1890	2010	1870	2100	18.2	22	1.00
Hampton ^A	USDA/ARS-WSU	--	--	--	--	--	--	--	--

^AHampton green pea results are not displayed due to an incorrect seed source for testing. However, Hampton is available in the market, exhibits excellent yield potential, and high disease resistance to Fusarium wilt, powdery mildew, and viruses.

*100 seed weight reported as 2014-2015 average instead of 2013-2015 average

**Plant height is an average of 2015 crop locations, only.

^oErect index is defined as canopy height/plant height using 2015 values.

‡ Denotes promising variety under development that may be named and released in 2016.

Grain legume variety performance results are new to the Seed Buying Guide in 2016 due to increased interest in including these crops in rotation and many new variety options. We hope you find this information useful, and keep your eye to the market as we expect that food-quality winter pea varieties will soon be released that will increase rotation and management options especially in lower rainfall Inland Pacific Northwest cropping systems.

SPRING BARLEY

COMPARABLE CHARACTERISTICS

MALTING		RELEASE DATE	SEED CLASS STATUS	PLANT HEIGHT INCHES	HEADING		TEST WEIGHT (LBS/BU)	PRECIPITATION ZONE (INCHES)			STRIPE RUST ¹
VARIETY	ORIGINATOR				DATE	DAYS		MATURITY	<16"	16"-20"	
AC Metcalfe	Agri-food Canada	--	--	32	168	Med.-Late	51.2	77	85	91	6
CDC Copeland	U. of Saskatchewan	1999	--	31	169	Med.-Late	49.1	85	94	101	9
LCS Genie	Limagrain Cereal Seeds	2010	Certified	26	168	Med.-Late	51.3	89	103	109	8
LCS Odyssey	Limagrain Cereal Seeds	--	--	25	168	Med.-Late	50.1	119	110	111	3
LCS Overture	Limagrain Cereal Seeds	--	--	26	169	Med.-Late	49.8	101	108	106	3
<i>Yield of BARONESSE (LBS/AC)</i>								1855	3310	4300	

NON-MALTING		RELEASE DATE	SEED CLASS STATUS	PLANT HEIGHT INCHES	HEADING DATE JULIAN DAYS	MATURITY	TEST WEIGHT (LBS/BU)	PRECIPITATION ZONE (INCHES)			STRIPE RUST ¹
VARIETY	ORIGINATOR							<16"	16"-20"	>20"	
Baronesse	Highland Specialty Grains	1992	--	29	168	Med.-Late	50.5	100	100	100	4
Bob	WSU	2002	Certified	31	166	Medium	52.0	109	107	103	3
Champion	Highland Specialty Grains	2008	Certified	30	166	Medium	52.7	91	107	114	4
Havener ^f	WSU	2015	Foundation	30	169	Med.-Late	58.1	68	80	86	6
LCS Vespa	Limagrain Cereal Seeds	2014	Certified	27	167	Medium	50.6	88	113	106	8
Lenetah	UI	2007	Certified	28	168	Med.-Late	51.9	109	107	111	6
Lyon	WSU	2014	Foundation	28	165	Early-Med.	51.5	107	110	108	6
Meresse ^f	Highland Specialty Grains	--	--	28	168	Med.-Late	54.8	59	79	77	6
Muir	WSU	2013	Foundation	28	167	Medium	50.9	117	105	104	1
RWA 1758	Highland Specialty Grains	--	--	27	167	Medium	51.5	117	103	105	8
<i>Yield of BARONESSE (LBS/AC)</i>								1855	3310	4300	

^fFood barley

¹Stripe rust ratings are based on 2015 data from Dr. Xianming Chen at USDA-ARS, Pullman, WA. Disease Scale Key: 1,2 = Resistant; 3,4 = Moderately Resistant; 5 = Moderate; 6,7 = Moderately Susceptible; 8,9 = Susceptible.

--: Information not available or not relevant to data set.

PLANTING RATE BASED ON SEEDS PER SQUARE FOOT

How to plant on a seeds per square foot basis:

- Determine the seeds/pound of your current seed lot;
 - Request information from seed dealer or
 - Count the number of seeds in a pound of seed or
 - Count 1000 seeds, weigh and convert to seeds/pound

If, for example, 1000 seeds weigh 42 grams: $\frac{1000 \text{ seeds} \times 454 \text{ grams}}{42 \text{ grams} \text{ pound}} = \frac{10,810 \text{ seeds}}{\text{pound}}$

- If you know your desired planting rate in seeds/square foot, then convert your current seed lot to pounds/acre to adjust for the known seeds per pound.

Ex: 15 seeds/sq ft to lbs/ac: $\frac{15 \text{ seeds} \times 43,560 \text{ sq. ft.} \times 1 \text{ pound}}{\text{sq. ft.} \text{ acre} \text{ } 10,810 \text{ seeds} \text{ acre}} = 61 \text{ pounds}$

- To determine what your seeds/square foot is based on your seeds/pound and current seeding rate using the example of 60 pounds/acre:

$$\frac{60 \text{ pounds} \times 10,810 \text{ seeds} \times \text{acre}}{\text{acre} \text{ pound} \text{ } 43,560 \text{ sq. ft.} \text{ sq. ft.}} = 15 \text{ seeds}$$

- If you know your desired planting rate in seeds/square foot, convert this to a linear foot of drill row based on the chart at right.

Row Width Inches	Desired Seeds Per Square Foot					
	5	10	15	20	25	30
Seeds Per Linear Foot						
6	3	5	8	10	13	15
7	3	6	9	12	15	18
8	3	7	10	13	17	20
9	4	8	11	15	19	23
10	4	8	13	17	21	25
12	5	10	15	20	25	30
14	6	12	18	23	29	35
16	7	13	20	27	33	40



WSCIA is non-profit organization working with Washington State University, Oregon State University, along with other Public and Private breeding programs, as well as with Washington State Department of Agriculture and Washington seed growers and conditioners to develop, produce and distribute certified seed in order to improve crop yields in Washington. Working through education, instruction and promotion WSCIA is the official Washington agency for WSU foundation seed, and for seed certification of certain seed crops.

WINTER WHEAT

COMPARABLE CHARACTERISTICS

SOFT WHITE COMMON

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS STATUS	PRECIPITATION ZONE (INCHES)				Irrigated
				<12"	12-16"	16"-20"	>20"	
				Yield as a % of Madsen				
AP 700CL©	AgriPro Wheat	2007	Certified	--	--	101	97	108
ARS-Selbu	USDA-ARS/WSU	2012	Certified	110	108	111	107	104
Bobtail	OSU	2012	Certified	--	--	103	109	105
Curiosity CL+©	WSU	2013	Certified	126	103	--	--	--
Eltan	USDA-ARS/WSU	1990	Certified	123	107	101	114	92
Jasper (WA 8169)	WSU	2015	Registered	119	118	118	120	115
LCS-Artdeco	Limagrains Cereal Seeds	2011	Certified	--	--	99	106	110
Legion	AgriPro Wheat	2008	Certified	--	--	108	106	95
Madsen	USDA-ARS/WSU	1988	Certified	100	100	100	100	100
Masami	WSU	2004	Certified	126	115	108	109	87
Mela CL+©	WSU	2013	Certified	119	104	--	--	--
ORCF-102©	OSU	2004	Certified	103	108	111	105	108
ORCF-103©	OSU	2008	Certified	113	104	103	107	75
Otto	WSU	2011	Certified	119	103	97	111	98
Puma	WSU	2013	Certified	113	112	116	113	109
Stephens	OSU	1977	Certified	97	97	100	100	106
SY 107	Syngenta Seeds, Inc.	2012	Certified	--	--	111	106	95
SY Ovation	Syngenta Seeds, Inc.	2011	Certified	--	--	112	102	115
UI-WSU Huffman	UI-WSU	2014	Certified	--	--	104	106	103
WB 456	Westbred LLC	2008	Certified	--	--	101	99	114
WB 523	Westbred LLC	2008	Certified	--	--	103	104	103
WB 528	Westbred LLC	2004	Certified	--	--	107	102	113
†WB1529	Westbred LLC	2013	Certified	90	103	104	95	117
†WB1604	Westbred LLC	2013	Certified	--	--	104	83	117
WB Junction	Westbred LLC	2011	Certified	106	112	112	107	113
Xerpha	WSU	2007	Certified	123	122	117	119	108
Yield of Madsen (BU/A)				31	73	76	95	130

SOFT WHITE CLUB

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS STATUS	PRECIPITATION ZONE (INCHES)				Irrigated
				<12"	12-16"	16"-20"	>20"	
				Yield as a % of Bruehl				
ARS-Crescent	USDA-ARS/WSU	2012	Certified	103	103	110	108	91
Bruehl	WSU	2000	Certified	100	100	100	100	100
Cara	USDA-ARS/WSU	2007	Certified	91	103	106	97	100
Coda	USDA-ARS/WSU	1998	Certified	91	103	105	100	92
Pritchett	USDA-ARS/WSU	2015	Foundation	106	105	--	--	--
Yield of Bruehl (BU/A)				34	76	77	102	130

COMPARABLE CHARACTERISTICS

HARD RED

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS STATUS	PRECIPITATION ZONE (INCHES)			PRECIPITATION ZONE (INCHES)		
				<12"	12-16"	>16"	<12"	12-16"	>16"
				% Protein			Yield as a % of Whetstone		
AP503 CL2©	AgriPro Wheat	2008	Certified	13.5	12.9	--	97	102	--
Farnum	WSU	2008	Certified	13.4	13.1	13.6	106	97	78
Finley	WSU	1997	Certified	12.9	12.5	13.1	103	108	79
Keldin	Westbred LLC	2011 (US)	Certified	13.4	12.6	12.6	103	117	110
LCS Azimut	Limagrains Cereal Seeds	2012 (US)	Certified	12.3	11.8	12.5	94	102	93
LCS Colonia	Limagrains Cereal Seeds	2014 (US)	Certified	12.9	12.7	12.7	87	98	97
LCS Jet	Limagrains Cereal Seeds	2014	Registered	13.2	12.6	12.7	90	108	107
Norwest 553	OSU	2007	Certified	14.3	13.2	13.4	55	88	90
†SY Clearstone CL2©	Syngenta Seeds, Inc.	2012	Certified	15.6	13.0	--	120	109	--
WA8180	WSU	2015	Foundation	12.8	12.2	--	97	102	--
WB Arrowhead	Westbred LLC	2011	Certified	13.1	12.4	12.4	106	114	108
WB Rimrock	Westbred LLC	2009	Certified	--	--	12.3	--	--	99
Whetstone	AgriPro Wheat	2008	Certified	13.3	12.4	13.1	100	100	100
Yield of Whetstone (BU/A)							31	65	89

*Key to all symbols can be found on spring wheat variety characteristic page

COMPARABLE CHARACTERISTICS

RATINGS (1 = Best to 9 = Poorest)*

TEST WEIGHT (LBS/BU)	AWN	PLANT HEIGHT	MATURITY	WINTER SURVIVAL	STRIPE RUST	CEPH. STRIPE TOLERANCE	STRAW-BREAKER	SNOW MOLD	QUALITY	VARIETY
				INDEX#	RATING**	INDEX	RATING	RATING	RATING	
57.7	Awned	Medium	Medium	5	2	6	4	--	A	AP 700CL©
59.8	Awned	Med.-Tall	Medium	6	1	7	5	8	D	ARS-Selbu
56.2	Awnletted	Medium	Medium	6	1	6	8	--	MD	Bobtail
59.1	Awned	Tall	Early-Med.	3	4	5	7	3	A	Curiosity CL+©
59.4	Awned	Tall	Med.-Late	2	5	4	7	2	D	Eltan
57.2	Awned	Med.-Tall	Medium	5	3	9	4	--	--	Jasper (WA 8169)
57.7	Awned	Short	Early-Med.	7	3	4	9	--	D	LCS-Artdeco
57.3	Awned	Tall	Med.-Late	5	2	8	7	--	D	Legion
58.7	Awned	Medium	Medium	6	1	6	4	5	A	Madsen
57.7	Awned	Tall	Med.-Late	4	3	5	3	5	D	Masami
59.4	Awned	Tall	Medium	3	5	5	7	2	D	Mela CL+©
59.5	Awned	Medium	Early-Med.	6	3	5	4	8	A	ORCF-102©
58.7	Awned	Medium	Med.-Late	4	6	6	6	4	D	ORCF-103©
58.8	Awned	Tall	Med.-Late	3	2	6	3	2	D	Otto
59.1	Awned	Tall	Early-Med.	4	3	7	4	8	MD	Puma
57.9	Awned	Medium	Early	7	4	9	6	9	D	Stephens
58.1	Awned	Medium	Early-Med.	7	4	8	7	--	A	SY 107
59.1	Awned	Medium	Early-Med.	7	2	6	8	9	D	SY Ovation
58.0	Awned	Med.-Tall	Med.-Late	--	3	--	--	--	--	UI-WSU Huffman
60.5	Awned	Med.-Short	Early-Med.	4	4	7	3	--	A	WB 456
59.9	Awned	Medium	Medium	4	3	6	5	--	D	WB 523
60.2	Awned	Medium	Medium	5	2	8	5	9	D	WB 528
61.0	Awned	Med.-Short	Early	6	3	--	--	--	--	†WB1529
58.5	Awned	Med.-Short	Early	--	1	--	--	--	--	†WB1604
60.4	Awned	Medium	Early	5	3	8	9	--	MD	WB Junction
58.8	Awned	Med.-Tall	Medium	4	5	4	6	4	A	Xerpha
58.1	Awned	Med.-Tall	Med.-Late	4	3	7	7	9	MD	ARS-Crescent
57.3	Awned	Tall	Med.-Late	4	3	3	6	2	D	Bruehl
57.1	Awnletted	Med.-Tall	Med.-Late	5	2	6	4	9	MD	Cara
60.3	Awned	Med.-Tall	Med.-Late	5	3	3	3	7	D	Coda
57.9	Awned	Med.-Tall	Medium	5	1	--	--	--	--	Pritchett

COMPARABLE CHARACTERISTICS

RATINGS (1 = Best to 9 = Poorest)*

TEST WEIGHT (LBS/BU)	AWN	PLANT HEIGHT	MATURITY	WINTER SURVIVAL	STRIPE RUST	CEPH. STRIPE TOLERANCE	STRAW-BREAKER	SNOW MOLD	QUALITY	VARIETY
				INDEX#	RATING**	INDEX	RATING	RATING	RATING	
63.5	Awned	Short	Early	3	5	--	--	--	--	AP503 CL2©
58.6	Awned	Tall	Late	4	2	5	6	2	D	Farnum
62.4	Awned	Tall	Medium	3	3	8	6	7	MD	Finley
61.6	Awned	Med.-Tall	Medium	3	4	--	--	--	--	Keldin
56.4	Awnletted	Short	Early	5	1	7	5	--	A	LCS Azimut
56.7	Awnletted	Medium	Med.-Late	7	3	--	2	--	--	LCS Colonia
59.6	Awned	Medium	Medium	6	3	--	--	--	--	LCS Jet
60.5	Awned	Short	Medium	9	1	7	5	9	D	Norwest 553
59.9	Awned	Tall	Early	5	4	--	--	--	--	†SY Clearstone CL2©
61.2	Awned	Tall	Med.-Late	5	2	--	--	--	--	WA8180
61.6	Awned	Med.-Tall	Early	4	6	--	--	--	MD	WB Arrowhead
60.5	Awned	Med.-Tall	Medium	4	6	--	--	--	A	WB Rimrock
61.1	Awned	Med.-Tall	Early	4	3	4	8	9	MD	Whetstone

Washington Seedsmen for Certified Seed OF FIELD PEA, LENTIL, and SMALL GRAIN

ADAMS COUNTY

CHS, Inc., Othello.....	509-488-9681
Kelley Bean Co., Othello.....	509-488-2643
ProGene, Othello.....	509-488-3977
Ritzville Warehouse, Ritzville.....	509-659-0351
Union Elevator & Warehouse Company, Lind.....	509-677-3441

BENTON COUNTY

M & E Seed Company, Prosser.....	509-786-3446
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COLUMBIA COUNTY

Abbey Farms, Inc., Waitsburg.....	509-337-8860
Columbia County Grain Growers, Inc., Dayton.....	509-382-2571
Jim's Seed Cleaning & Treating, Dayton.....	509-382-4874

DOUGLAS COUNTY

Central Washington Grain Growers, Inc., Waterville.....	509-745-8551
John L. McLean Seed Company, Coulee City.....	509-632-5238

FRANKLIN COUNTY

Connell Grain Growers, Inc., Connell.....	800-572-5932/509-234-2641
Eppich Grain, Inc., Basin City.....	509-269-4693
L & H Seeds, Connell.....	509-234-4433
Tri State Seed, Connell.....	509-234-2500
Washington Producers, Inc., Basin City.....	509-269-9218

GRANT COUNTY

CHS, Inc., Quincy.....	509-787-3511
Connell Grain Growers, Moses Lake.....	509-765-5617
(Seed Plant).....	509-765-3898
Golden West Bean & Grain, Royal City.....	509-346-9454
KAPA Seed Service, Quincy.....	509-787-1561
McKay Seed Company, Inc., Moses Lake.....	509-766-9894
Monsanto, Warden.....	509-349-2327
Quincy Farm Chemicals, Inc., Quincy.....	509-787-4541
Tomco Seed Company, Warden.....	509-349-8893
Wagner Seed Company, Warden.....	509-349-8094
Wilson Creek Union Grain & Trading Co., Wilson Creek.....	509-345-2551

KITTITAS COUNTY

Foothills Farm, Thorp.....	509-964-2515/2364
Old Mill Country Store, Ellensburg.....	509-925-5397

KLICKITAT COUNTY

Jensen Seed Farm, Inc., Bickleton.....	509-896-2312
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LINCOLN COUNTY

Adventures Northwest LLC, Harrington.....	509-253-4604
Almira Farmers Warehouse, Almira.....	509-639-2431
Central Washington Grain Growers, Inc., Wilbur.....	509-647-5510
Davenport Union Warehouse Company, Davenport.....	509-725-7081
McKay Seed Company, Inc., Almira.....	509-639-2293
North Basin Seed, Odessa.....	509-982-2975
Ritzville Warehouse, Odessa.....	509-982-2661
Reardan Seed Company, Inc., Reardan.....	509-796-2575

SNOHOMISH COUNTY

Marine View Farms, Stanwood.....	360-629-3952
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SPOKANE COUNTY

CHS, Inc., Rockford.....	509-291-4011
Co-Ag, Fairfield.....	509-283-2124
Custom Seed Conditioning, Inc., Elk(Portable).....	509-292-2506
Spokane Seed Company, Spokane.....	509-535-3671

WALLA WALLA COUNTY

Blue Mountain Seed, Inc., Walla Walla.....	509-529-3366
Northwest Grain Growers, Inc., Walla Walla.....	509-525-6510
Tomco Seed, Clyde.....	509-749-2237

WHITMAN COUNTY

BNP Lentil Company, Farmington.....	509-287-2711
Columbia Grain, Pullman.....	509-332-1000
Cooperative Agricultural Producers, Oakesdale.....	509-285-5516
Co-Ag, Garfield.....	509-635-1227
Co-Ag, Rosalia.....	509-523-3511
Hager Seed Processing, Inc., Oakesdale.....	509-999-SEED/509-285-4243
Hinrichs Trading Company, Steptoe.....	509-332-8889
Johnson Seed, LLC, Garfield.....	509-991-8569/509-635-0107
McKay Seed Company, LLC, Rosalia.....	509-523-3471
Pacific Northwest Farmers Cooperative, Steptoe.....	509-397-4664
RMK Farms, Inc., Oakesdale.....	509-285-5521
Spokane Seed Company, Colfax.....	509-397-4613
Stateline Processors, Inc., Tekoa.....	509-284-4101
Uniontown Cooperative Assn., Uniontown.....	509-229-3828
Whitgro, St. John.....	509-648-3713
WSCIA Foundation Seed Service, WSU Seedhouse, Pullman.....	509-335-4365

YAKIMA COUNTY

Tri-West Specialties, LLC, Harrah.....	509-848-2842
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