

WASHINGTON SEEDSMEN FOR CERTIFIED SEED

* Plant approved for conditioning certified seed.
 ** Plant approved for conditioning certified seed which has acceptable automatic mechanical seed sampler.

ADAMS COUNTY

** CHS, Inc., Othello 509-488-9681
 ** CHS, Inc., Bruce 509-488-5261
 ** Ritzville Seed, LLC, Ritzville 509-659-0270
 ** Union Elevator & Warehouse Company,
 Lind 509-677-3441

BENTON COUNTY

* M & E Seed Company, Prosser 509-786-3446
 Horse Heaven Grain, LLC, Prosser 509-786-4997

COLUMBIA COUNTY

** Abbey Farms, Inc., Waitsburg 509-337-8860
 ** Columbia County Grain Growers, Inc.,
 Dayton 509-382-2571

DOUGLAS COUNTY

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

FRANKLIN COUNTY

Bleyhl Farm Service, Pasco 509-547-5577
 ** Connell Grain Growers, Inc.,
 Connell 1-800-572-5932, 509-234-2641
 Frishnecht 509-234-2641
 ** Eppich Grain, Inc., Basin City 509-269-4693
 * L & H Seeds, Connell 509-234-4433
 ** Great Basin Seed Co., Mesa 509-265-4250
 * Tri-State Seed, LLC, Connell 509-234-2500
 * Washington Producers, Inc., Basin City 509-269-9218
 Wilbur Ellis Company, Pasco 800-967-2148

GARFIELD COUNTY

Tomco Seed, Pomeroy 509-843-1468
 Western Farm Service, Pomeroy 509-843-3491

GRANT COUNTY

** Columbia Seeds, Warden 509-349-8893
 ** Connell Grain Growers
 Moses Lake 509-765-3898
 ** Golden West Bean & Grain, Royal City 509-346-9454

** CHS, Inc., Quincy 509-787-3511
 ** KAPA Seed Service, Quincy 509-787-1561
 ** McKay Seed Company, Inc., Moses Lake... 509-766-9894
 ** Quincy Farm Chemicals, Inc., Quincy 509-787-4541
 Saddle Mountain Supply Company,
 Royal City 509-346-2291
 * Wagner Seed Company, Warden 509-349-8094
 ** Wilson Creek Union Grain & Trading Co.,
 Wilson Creek 509-345-2551

KITTITAS COUNTY

* Foothills Farm, Thorp 509-964-2515/929-5334
 * Old Mill Country Store, Ellensburg 509-925-5397

Klickitat County

** Jensen Seed Farm, Inc., Bickleton 509-896-2312

LINCOLN COUNTY

** 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
 ** Ritzville Seed, LLC, Odessa 509-982-2661
 ** Odessa Union Warehouse Co-op,
 Harrington 509-253-4604
 Odessa Union Warehouse Co-op, Odessa... 509-982-2691
 ** Reardan Seed Company, Inc., Reardan 509-796-2575

SKAGIT COUNTY

** John DeVlieger, Mount Vernon 360-424-9172

SNOHOMISH COUNTY

** Marine View Farms, Stanwood 360-629-3952

SPOKANE COUNTY

** Co-Ag, Fairfield 509-283-2333
 ** Custom Seed Conditioning, Inc., Elk
 (Portable) 509-292-2506
 ** Hager Seed Processing, Inc., Oakesdale
 (Portable) 509-999-SEED 509-285-4243 **
 Primeland, Rockford 509-291-5511
 * Spokane Seed Company, Spokane 509-535-3671

OF FIELD PEA, LENTIL and SMALL GRAIN

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
 Prescott 509-749-2237
 Walla Walla (Hwy 125) 509-749-2237
 Walla Walla (Airport) 509-529-6787
 Adams, OR 541-566-3522

WHITMAN COUNTY

* BNP Lentil Company, Farmington 509-287-2711
 ** Co-Ag, Oakesdale 509-285-5516
 Garfield 509-635-1227
 Rosalia 509-523-3511
 ** Columbia Grain, Pullman 509-332-1000
 ** Hager Seed Processing, Inc.,
 Oakesdale 509-999-SEED 509-285-4243
 ** Johnson Seed, LLC,
 Garfield 509-290-3649 509-635-0107
 ** McKay Seed Company, Inc., Rosalia 509-523-3471
 ** Ritzville Seed, LLC, Lacrosse 509-549-3541
 ** RMK Farms, Inc., Oakesdale 509-285-5521
 ** Whitgro, Inc., St. John 509-648-3713
 ** State Line Processors, Inc., Tekoa 509-284-4101
 Tomco Seed, Lacrosse 509-549-3545
 ** Uniontown Cooperative Assn., Uniontown. 509-229-3828
 ** PNW Farmers Co-Op, Steptoe 509-397-4664
 ** WSCIA Foundation Seed Service, WSU
 Seedhouse, Pullman 509-335-4365

YAKIMA COUNTY

Bleyhl Farm Service, Grandview 509-865-2248
 Sunnyside 509-837-5755
 Toppenish 509-865-2700
 Zillah 509-829-6922
 Connell Grain Growers, Inc.,
 Toppenish 509-865-2451
 Golden West Seed Co., Inc., Zillah 509-829-9500
 ** Tri-West Specialties, L.L.C., Harrah 509-848-2842
 Yakima Co-op, Yakima 509-457-3333



**Certified Class
(Blue Label)
Means Stock Seed
For Commercial Grain**

LIMITATION OF LIABILITY

Varietal information published in this guide is not the responsibility of WSCIA.

Research and testing of crops herein listed have been performed by various public institutions, and private business organizations.

Because of variation in testing procedures, research data analysis, and other factors out of the control of WSCIA, data comparisons in this publication are for guidelines only, and variety originators are solely responsible for data supplied to WSCIA.

Potential seed users, therefore, should contact variety originators for additional comparison information on this published data.

CERTIFYING AGENCY ISSUE OF CERTIFICATE

The issuance by Washington State Crop Improvement Association, the certifying agency, of a certified seed label or certificate for a lot of seed affirms solely that such seed properly identified by a dealer, grower, or distributor, has been subjected to the seed certification standards and procedures implemented by the certifying agency and that the certifying agency has acted in accordance with such standards and procedures.

The standards and procedures do not provide for inspection of each plant or all the areas in the seed grower's field. Therefore, seed that is certified may contain contaminants, even though the certifying agency has properly subjected the seed to the officially accepted standards and procedures. Furthermore, during harvest, storage, transportation, and the conditioning process, activities beyond the control of the certifying agency may interfere with the seeds' purity.

The seed grower is required to have knowledge of the officially accepted standards and procedures for certification. The seed grower is responsible to maintain the purity and identity of seed harvested and/or farm stored.

The seed conditioner is responsible for and required to have knowledge of the officially accepted standards and procedures, including the standards and procedures for conditioning, sampling, and final certification. It is the seed conditioner's responsibility to maintain the purity and identity of seed conditioned, stored, transhipped, or labeled.

The issuance of a certified seed label or certificate of a lot of seed, therefore, neither warrants that any other person or entity has acted in accordance with such standards and procedures, nor constitutes any other warranty, expressed or implied, with respect to yield, quality, vigor, incidence of off-types or other contaminating seeds, or tolerance to diseases, insects, or growing conditions, or any other characteristics of the seed.

2012 WINTER CERTIFIED SEED BUYING GUIDE



WASHINGTON STATE UNIVERSITY

Department of Crop and Soil Sciences
in cooperation with

**WASHINGTON STATE CROP
IMPROVEMENT ASSOCIATION**
 1610 NE Eastgate Blvd., Suite 610
 Pullman, Washington 99163
 509-335-8250
www.washingtoncrop.com

WSCIA is a non-profit organization working with Washington State University, 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 foundation seed, and for seed certification of certain seed crops.

BUY CERTIFIED SEED OF THE VARIETY AND BRAND PREFERRED FROM YOUR SEEDSMAN

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. Variety performance results for wheat and barley are summarized from the WSU Extension Uniform Cereal Variety Testing Program trials conducted throughout Eastern Washington and represent public and proprietary varieties that were entered into the WSU Variety Testing Program for the previous two years.

USING THE PERFORMANCE RESULTS:

The data reported in this guide is the average of two years of results, 2010 and 2011. Varieties not entered for both years in the WSU Variety Testing Program do not have performance data listed. General varietal information is provided by plant breeders. Plant height and test weight are averages of all test sites. Days to head are an average number of days from planting to heading at select locations. 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.

For additional and in-depth variety performance information, go to the WSU Extension Cereal Variety Testing Program web site (<http://variety.wsu.edu>).

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*
i.e. $\frac{1000 \text{ seeds} \times 454 \text{ grams}}{46 \text{ grams}} = 9870 \text{ seeds/pound}$
- If you know your desired planting rate in seeds/square foot, then convert your current seed lot to adjust for the seed size.
i.e. $\frac{15 \text{ seeds} \times 43560 \text{ sq. ft.} \times \text{pound}}{\text{sq. ft.} \text{ acre} \ 9000 \text{ seeds} \ \text{acre}} = 73 \text{ pounds/acre}$
- To determine what your seeds/square foot is based on your current seeding rate:
i.e. $\frac{60 \text{ pounds} \times 9000 \text{ seeds} \times \text{acre}}{\text{acre} \ \text{pound} \ 43560 \text{ sq. ft.} \ \text{sq. ft.}} = 12 \text{ seeds/sq. ft.}$
- If you know your desired planting rate in seeds/square foot, convert this to a linear foot of drill row based on the following chart:

Conversion Chart From Seeds/Ft.² to Seeds/Linear Foot

$\text{Seeds/Linear Foot} = \frac{\text{Seeds Ft.}^2 \times \text{Row Width}}{12}$

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

HARD RED/HARD WHITE WINTER WHEATCOMPARABLE CHARACTERISTICS.....

PRECIPITATION ZONE (INCHES)															RATINGS (1 = Best to 9 = Poorest)*														
VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS AVAILABILITY	GLUME	AWN	PLANT HEIGHT INCHES	EMERGENCE	DAYS Fr. JAN. 1 TO HEAD	TEST WEIGHT (LBS/BU)	<12"	12-16"	>16"	<12"	12-16"	>16"	WINTER SURVIVAL INDEX	COMMON BUNT RATING	DWARF BUNT RATING	LEAF RUST RATING	STRIPE RUST RATING**	CEPH. STRIPE TOLERANCE INDEX	STRAW-BREAKER RATING	SNOW MOLD RATING	QUALITY RATING	VARIETY				
										-----% Protein-----					-----Yield as a % of Finley-----														
Hard Red																													
AgriPro Paladin	AgriPro Wheat	2005	Certified	White	Awned	35	Moderate	144	60.6	11.3	12.7	12.7	128	92	100	3	--	--	2	4	7	9	3	Most desirable	AgriPro Paladin				
Bauermeister	WSU	2005	Certified	White	Awned	40	Mod.-High	154	59.1	11.2	12.8	12.2	133	106	108	4	--	4	2	4	--	--	2	Acceptable	Bauermeister				
Boundary	UI	1997	Certified	White	Awnless	39	High	151	60.5	11.3	12.4	11.8	143	122	117	2	4	3	2	5	--	--	2	Least desirable	Boundary				
Eddy	Westbred LLC	2005	Certified	White	Awned	38	Moderate	148	61.9	10.7	12.6	12.4	143	101	101	4	--	--	2	7	8	--	8	Most desirable	Eddy				
Esperia	Allstar Inc.	2002	--	White	Awned	31	--	147	61.0	12.1	13.4	13.0	120	123	112	4	--	--	--	5	--	--	3	--	Esperia				
Farnum	WSU	2008	Certified	Tan	Awned	46	Moderate	155	59.5	12.1	13.0	13.5	113	95	91	5	--	--	7	1	--	--	2	Desirable	Farnum				
Finley	WSU	1997	Certified	Red	Awned	47	High	150	62.3	12.3	13.1	12.9	100	100	100	4	--	9	7	2	--	--	7	Most desirable	Finley				
Norwest 553	OSU	2007	Certified	White	Awned	34	Moderate	150	61.7	12.3	12.8	12.6	113	127	138	6	--	--	--	1	--	6	9	Acceptable	Norwest 553				
Whetstone	AgriPro Wheat	2008	Certified	White	Awned	37	Moderate	147	61.2	10.0	12.8	13.0	140	110	113	5	--	9	--	4	--	9	9	Most desirable	Whetstone				
Hard White																													
MDM	WSU	2005	Certified	White	Awned	40	Mod.-High	154	59.6	11.8	11.6	11.4	108	109	110	4	--	--	8	4	--	--	2	Acceptable	MDM				
UICF Grace (CLEARFIELD®)	UI	2009	Foundation	White	Awned	48	--	150	60.2	11.1	12.8	13.0	135	97	93	4	--	1	--	4	--	--	9	--	UICF Grace				
UI Silver	UI	2009	Foundation	Brown	Awned	41	--	151	61.7	12.9	11.9	11.6	88	123	123	4	--	1	--	2	--	--	5	--	UI Silver				
										Yield of Finley (BU/A)					40					88					104				
OTHER VARIETIES - no current (2010 & 2011) Variety Testing data but seed is available																													
Declo	Sunderman Breeding	1999	Certified	White	Awned	--	Moderate	--	--	--	--	--	--	--	--	6	--	--	--	8	--	--	--	Acceptable	Declo				
WB-Tucson	Westbred LLC		Certified	White	Awned	--	--	--	--	--	--	--	--	--	--	4	--	--	--	8	--	--	9	--	WB-Tucson				

SOFT WHITE COMMON WHEATCOMPARABLE CHARACTERISTICS.....

PRECIPITATION ZONE (INCHES)															RATINGS (1 = Best to 9 = Poorest)*																								
VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS AVAILABILITY	GLUME	AWN	PLANT HEIGHT INCHES	EMERGENCE	DAYS Fr. JAN. 1 TO HEAD	TEST WEIGHT (LBS/BU)	<12"	12-16"	16-20"	>20"	IRRIGATED	WINTER SURVIVAL INDEX	COMMON BUNT RATING	DWARF BUNT RATING	LEAF RUST RATING	STRIPE RUST RATING**	CEPH. STRIPE TOLERANCE INDEX	STRAW-BREAKER RATING	SNOW MOLD RATING	QUALITY RATING	VARIETY															
										-----Yield as a % of Madsen-----																													
AP700 CL (CLEARFIELD®)	AgriPro Wheat	2007	Certified	White	Awned	40	Moderate	160	60.0	94	91	96	102	102	5	--	--	3	2	8	5	5	Acceptable	AP700 CL (CLEARFIELD®)															
AP Legacy	AgriPro Wheat	2009	Certified	White	Awned	41	Moderate	162	59.2	104	102	81	81	104	4	--	--	--	7	--	8	6	Most desirable	AP Legacy															
ARS-Amber (ARS960277L)	USDA-ARS/WSU	2011	Foundation	White	Awned	41	Moderate	163	60.1	109	107	101	103	96	5	--	--	--	3	--	9	3	Most desirable	ARS-Amber (ARS960277L)															
Brundage 96	UI	2001	Certified	White	Awnletted	39	Mod.-High	161	60.1	107	108	99	97	101	4	9	9	2	4	7	8	2	Most desirable	Brundage 96															
Bruneau	UI	2009	Certified	White	Awned	39	--	163	60.7	96	102	101	108	109	6	--	9	--	1	4	8	2	Most desirable	Bruneau															
Eltan	USDA-ARS/WSU	1990	Certified	White	Awned	41	High	166	59.5	109	99	82	101	93	2	4	4	8	3	5	9	2	Desirable	Eltan															
Legion	AgriPro Wheat	2008	Certified	White	Awned	41	Moderate	162	59.1	106	96	98	111	109	5	--	9	--	1	8	9	9	9	Desirable	Legion														
Madsen	USDA-ARS/WSU	1988	Certified	White-Brown	Awned	40	Moderate	164	60.4	100	100	100	100	100	5	1	5	3	1	6	4	5	Acceptable	Madsen															
Masami	WSU	2004	Certified	White	Awned	40	Moderate	165	58.8	111	101	90	92	92	4	--	9	2	4	5	3	5	Desirable	Masami															
Mary (OR2040726)	OSU	2011	--	--	--	38	--	160	60.8	100	102	99	97	106	4	--	--	--	4	--	8	5	--	Mary (OR2040726)															
ORCF-102 (CLEARFIELD®)	OSU	2004	Certified	White	Awned	42	Moderate	163	60.5	107	105	99	98	105	5	--	9	2	4	7	5	8	Desirable	ORCF-102 (CLEARFIELD®)															
ORCF-103 (CLEARFIELD®)	OSU	2008	Certified	White	Awned	39	Moderate	165	59.5	102	95	88	98	96	4	--	9	--	4	3	7	4	Acceptable	ORCF-103 (CLEARFIELD®)															
Rod	WSU	1992	Certified	White	Awned	39	Moderate	164	59.2	106	102	93	100	105	5	7	9	7	4	5	--	5	Desirable	Rod															
Skiles	OSU	2008	Certified	White	Awned	38	Moderate	162	61.1	109	112	104	98	96	6	--	9	--	2	4	8	9	Desirable	Skiles															
Stephens	OSU	1977	Certified	White	Awned	37	Moderate	159	60.0	93	89	89	97	107	7	9	9	7	4	9	5	9	Desirable	Stephens															
Tubbs 06	OSU	2006	Certified	White	Awned	42	Mod.-High	162	58.9	106	98	85	89	105	5	--	4	7	7	7	5	8	Acceptable	Tubbs 06															
UICF Brundage (CLEARFIELD®)	UI	2009	Foundation	White	Awnletted	38	--	162	59.7	104	100	95	98	98	5	--	9	--	4	--	9	3	Most desirable	UICF Brundage(CLEARFIELD®)															
WB-528	Westbred LLC	2004	Certified	White	Awned	39	Mod.-High	159	61.6	98	96	91	98	106	5	--	--	2	3	7	8	9	Desirable	WB-528															
Xerpha	WSU	2007	Certified	White	Awned	41	Mod.-High	164	59.9	117	111	87	93	104	5	--	4	--	5	5	9	4	Acceptable	Xerpha															
										Yield of Madsen (BU/A)					54					112					137					132					163				
OTHER VARIETIES - no current (2010 & 2011) Variety Testing data but seed is available. Yield ratings compared to Madsen: Poor= <-9%; Fair= -4 to -9%; Good= +1-3%; Very Good= +4 to +9%; Excellent= >=9%																																							
WB 456	Westbred LLC	2008	Certified	White	Awned	--	Moderate	--	--	Good	Good	Good	Poor	--	6	--	--	2	1	8	3	--	--	WB 456															
WB 523	Westbred LLC	2008	Certified	White	Awned	--	Moderate	--	--	Very Good	Very Good	Good	Good	--	5	--	--	--	2	8	8	--	Desirable	WB 523															

SOFT WHITE CLUB WINTER WHEATCOMPARABLE CHARACTERISTICS.....

PRECIPITATION ZONE (INCHES)															RATINGS (1 = Best to 9 = Poorest)*																								
VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS AVAILABILITY	GLUME	AWN	PLANT HEIGHT INCHES	EMERGENCE	DAYS Fr. JAN. 1 TO HEAD	TEST WEIGHT (LBS/BU)	<12"	12-16"	16-20"	>20"	IRRIGATED	WINTER SURVIVAL INDEX	COMMON BUNT RATING	DWARF BUNT RATING	LEAF RUST RATING	STRIPE RUST RATING**	CEPH. STRIPE TOLERANCE INDEX	STRAW-BREAKER RATING	SNOW MOLD RATING	QUALITY RATING	VARIETY															
										-----Yield as a % of Bruehl-----																													
ARS-Chrysal (ARS970075-3C)	USDA-ARS/WSU	2011	Foundation	White	Awned	42	Moderate	163	61.3	95	102	108	98	108	3	--	--	--	3	--	9	6	Most desirable	ARS-Chrysal															
ARS-Crescent (ARS970163-4C)	USDA-ARS/WSU	2012	Registered	White	Awned	41	Mod.-High	165	60.4	97	94	105	99	97	3	--	--	--	2	--	9	9	Most desirable	ARS-Crescent															
Bruehl	WSU	2000	Certified	White	Awned	41	Mod.-High	165	58.1	100	100	100	100	100	4	4	7	7	1	5	9	2	Desirable	Bruehl															
Cara	USDA-ARS/WSU	2007	Certified	White	Awned	40	Moderate	163	59.9	93	102	114	101	99	5	--	--	--	1	7	--	9	Most desirable	Cara															
Chukar	USDA-ARS/WSU	2001	Certified	White	Awnletted	42	Moderate	164	59.9	102	97	109	101	94	5	--	9	8	1	7	4	9	Most desirable	Chukar															
Coda	USDA-ARS/WSU	1998	Certified	White	Awned	43	Moderate	164	62.3	97	97	101	95	96	5	7	9	2	1	4	4	7	Desirable	Coda															
										Yield of Bruehl (BU/A)					61					121					132					135					156				

*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 in scope. Disease ratings can change and should be used as relative comparisons.
 **Stripe rust ratings are based on 2011 data from Dr. Xianming Chen at USDA-ARS, Pullman, WA. • -- = Information not available or variety was not common to data set. • Information courtesy of United States Department of Agriculture - Agricultural Research Service and Washington State University. December, 2011.

