

WASHINGTON SEEDSMEN FOR CERTIFIED SEED

**OF FIELD PEA, LENTIL
and SMALL GRAIN**

*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
** 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
** Mid Columbia Producers, Inc., Goldendale.. 541-442-5555
Centerville 541-442-5555

LINCOLN COUNTY

** AgVentures, Harrington 509-253-4604
AgVentures, Odessa 509-982-2691
** 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
** Reardan Seed Company, Inc., Reardan 509-796-2575

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

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



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.

2013 SPRING CERTIFIED SEED BUYING GUIDE



**WASHINGTON STATE
UNIVERSITY**

Department of Crop and Soil Sciences
in cooperation with

WASHINGTON STATE CROP IMPROVEMENT ASSOCIATION

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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, 2011 and 2012. 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 based on Julian days - compare days to head from January 1 of the year. 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. $\frac{1000 \text{ seeds} \times 454 \text{ grams}}{46 \text{ grams}} = 9870 \text{ seeds/pound}$

*Takes about 30 minutes.

- 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. $\frac{15 \text{ seeds} \times 43560 \text{ sq. ft.} \times \text{pound}}{\text{sq. ft.} \times \text{acre} \times 9000 \text{ seeds}} = 73 \text{ pounds/acre}$

- To determine what your seeds/square foot is based on your current seeding rate:
i.e. $\frac{60 \text{ pounds} \times 9000 \text{ seeds} \times \text{acre}}{\text{acre} \times \text{pound} \times 43560 \text{ sq. ft.}} = 12 \text{ seeds/sq. ft.}$

- 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

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

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

SPRING BARLEY.....COMPARABLE CHARACTERISTICS

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS AVAILABILITY	HEAD TYPE	PLANT HEIGHT INCHES	STRAW STRENGTH	DAYS TO HEAD	TEST WEIGHT (LBS/BU)	PRECIPITATION ZONE (INCHES)			DISEASE REACTIONS*			
									< 16"	16"-20"	> 20"	STRIPE RUST	LEAF RUST	VARIETY	
MALTING											-----Yield as a % of Baronesse-----				
CDC Copeland	U. of Saskatchewan	1999	Certified	2-row	35	Mod.-Stiff	182	50.7	98	94	102	5	--	CDC Copeland	
Harrington	U. of Saskatchewan	1986	Certified	2-row	31	Mod.-Stiff	181	51.7	90	91	98	5	8	Harrington	
NON-MALTING															
Baronesse	Nord Saat/Westbred LLC	1992	Certified	2-row	29	Mod.-Stiff	180	51.8	100	100	100	4	2	Baronesse	
Bob	WSU	2002	Certified	2-row	30	Mod.-Stiff	180	52.7	101	90	98	2	2	Bob	
CDC Meredith	U. of Saskatchewan	2009	Registered	2-row	31	Mod.-Stiff	181	50.7	99	93	107	5	--	CDC Meredith	
Champion	Westbred LLC	2008	Certified	2-row	32	Mod.-Stiff	179	53.6	111	103	107	9	--	Champion	
Lenetah	UI	2007	Certified	2-row	31	Mod.-Stiff	181	53.1	110	106	101	5	--	Lenetah	
Radiant	WSU	2003	Certified	2-row	30	Mod.-Stiff	181	52.0	101	94	103	9	--	Radiant	
<i>Yield of BARONESSE (LBS/A)</i>									3552	4611	3894				

SPRING WHEAT.....COMPARABLE CHARACTERISTICS

VARIETY	ORIGINATOR	RELEASE DATE	SEED CLASS AVAILABILITY	PHYSICAL FEATURES			PRECIPITATION ZONE (BU/A)										DISEASE REACTIONS *				VARIETY			
				PLANT HEIGHT INCHES	HEADING DATE Julian Days	TEST WEIGHT (LBS/BU)	< 12"	12"-16"	16"-20"	> 20"	IRRIGATED	< 12"	12"-16"	16"-20"	> 20"	IRRIGATED	STRIPE RUST	LEAF RUST	MILDEW	HESSIAN FLY				
SOFT WHITE COMMON											----- % Protein -----										----- Yield as a % of LOUISE -----			
Alpowa	WSU	1993	Certified	31	177	61.1	12.1	11.3	11.0	9.4	12.4	85	86	89	85	89	5	7	6	9	Alpowa			
Babe	WSU	2009	Certified	32	174	61.2	12.2	11.1	10.8	9.5	12.4	89	94	93	90	99	4	--	--	7	Babe			
Diva	WSU	2010	Certified	33	175	61.1	12.3	11.3	11.0	9.9	12.3	100	102	97	99	97	3	--	--	2	Diva			
Louise	WSU	2004	Certified	34	175	60.8	12.2	11.2	10.9	9.6	12.4	100	100	100	100	100	2	--	3	3	Louise			
Nick	Westbred LLC	2002	Certified	30	174	60.3	12.8	11.6	11.4	10.1	12.7	85	87	86	79	90	9	2	3	1	Nick			
Whit	WSU	2008	Certified	31	174	60.3	12.3	12.0	11.2	9.7	12.9	91	92	93	94	84	2	--	3	2	Whit			
WB-1035CL +	Westbred LLC	2011	Certified	29	173	60.0	13.7	12.9	12.5	11.0	13.8	79	79	76	82	89	6	3	4	2	WB-1035CL			
SOFT WHITE CLUB											----- % Protein -----										----- Yield as a % of JEFFERSON 926 -----			
JD	WSU	2009	Certified	33	175	61.9	12.7	12.1	11.6	10.0	12.9	100	92	92	97	90	1	--	--	9	JD			
<i>Yield of LOUISE (BU/A)</i>									33	63	72	71	103											
HARD RED											----- % Protein -----										----- Yield as a % of JEFFERSON 926 -----			
Buck Pronto	Buck Semillas S. A.	2001	Certified	31	171	60.8	15.4	14.0	13.6	12.9	16.3	97	93	102	107	93	4	--	3	8	Buck Pronto			
Bullseye	AgriPro Wheat	2009	Registered	28	174	62.6	14.2	13.1	12.4	11.6	14.7	103	98	102	105	103	3	--	--	9	Bullseye			
Glee (WA 8074)	WSU	2012	Registered	32	172	61.1	14.5	13.6	12.4	11.7	15.9	100	104	112	114	96	2	--	--	1	Glee (WA 8074)			
Hollis	WSU	2003	Certified	39	174	60.5	15.0	14.4	13.5	12.5	15.7	103	95	98	103	98	5	2	6	1	Hollis			
Jefferson	UI	1997	Certified	31	174	60.6	14.6	13.5	13.0	12.1	14.8	100	100	100	100	100	6	8	8	3	Jefferson			
Kelse	WSU	2008	Certified	33	174	61.0	15.5	14.2	13.4	12.9	16.3	97	96	103	105	91	6	--	3	2	Kelse			
LCS-Powerplay	Limagrain Cereal Seeds	2011	Reg./Certified	31	174	61.3	14.8	12.9	12.7	11.8	15.2	93	98	98	102	89	6	--	--	--	LCS-Powerplay			
Scarlet	WSU	1999	Certified	33	174	60.1	14.8	13.7	12.6	11.8	15.8	103	105	107	108	94	2	4	8	9	Scarlet			
Tara 2002	WSU	2001	Certified	32	172	60.3	14.9	13.2	12.5	12.2	15.6	93	96	97	103	92	8	4	8	2	Tara 2002			
WB-Fuzion	WestBred LLC	2011	Certified	32	172	60.5	15.2	13.6	13.4	12.4	15.8	93	95	97	92	100	9	--	--	1	WB-Fuzion			
<i>Yield of JEFFERSON 926 (BU/A)</i>									29	56	60	59	90											
HARD WHITE											----- % Protein -----										----- Yield as a % of OTIS -----			
BR 7030	World Wide Wheat, LLC	2006	Certified	31	174	61.6	14.1	13.3	12.2	11.4	14.4	100	111	105	105	85	2	2	--	1	BR 7030			
Dayn (WA 8123)	WSU	2012	Foundation	31	173	61.3	14.3	13.3	12.4	11.7	15.0	100	115	107	113	97	1	--	--	9	Dayn (WA 8123)			
Otis	WSU	2004	Certified	35	175	61.4	13.5	12.3	11.5	10.8	13.7	100	100	100	100	100	6	--	3	2	Otis			
<i>Yield of OTIS(BU/A)</i>									29	53	60	62	101											
OTHER VARIETIES											no current (2010 & 2011) Variety Testing data, but seed is available. Yield ratings compared to WestBred 926: Poor = <-9%; Fair = -4 to -9%; Good = +/-3%; Very Good = +4 to +9%; Excellent = >=9%													
Cabernet	Resource Seeds, Inc	2008	Certified	--	--	--	--	--	--	--	--	--	--	--	--	Excellent	MS	--	3	--	Cabernet			
Espresso	Westbred LLC	2007	Certified	--	--	--	--	--	--	--	--	--	--	--	Excellent	R	--	3	--	Espresso				
Solano	Westbred LLC	2006	Certified	--	--	--	--	--	--	--	--	--	--	--	Very Good	R	--	3	3	Solano				

*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 2012 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, 2012.