WASHINGTON SEEDSMEN FOR CERTIFIED SEED

OF FIELD PEA, LENTIL and SMALL GRAIN

*Plant approved	for	conditioning	certified	seed.
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**Plant approved for	conditioning	certified	seed	which	has	acceptal	ole
automatic mechan	cal seed sam	pler.					

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.,	

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

Bleyhl Farm Service, Pasco 509-547-5577

Dayton 509-382-2571

FRANKLIN COUNTY

* * Connell Grain Growers, Inc.,

Connell1-800-572-5932, 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

Coldinata Cocas, Wardon	0000		0000
* * Connell Grain Growers			
Moses Lake	509-7	65-	3898

MOSES Lake	303-703-303
** Golden West Bean & Grain, Royal City	509-346-945
** CHS Inc. Quincy	509-787-351

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 Ellenchurg

KLIOVITAT COLINTY	* Old Mill Country	Store, Ellensburg	509-925-5397
	KLICKITAT COUNTY	<i>y</i>	

** KAPA Seed Service, Quincy...... 509-787-1561

** McKay Seed Company, Inc., Moses Lake... 509-766-9894

** Quincy Farm Chemicals, Inc., Quincy 509-787-4541

** Janson Sood Form Inc. Rickleton

** Jensen Seed Farm, Inc., Bickleton	509-896-2312
** Mid Columbia Producers, Inc., Goldendale	541-442-5555
Centerville	541-442-5555

LINCOLN COUNTY

	AgVentures, Odessa	509-982-269
* *	Almira Farmers Warehouse, Almira	509-639-243
* *	Central Washington Grain Growers, Inc.,	
	Wilbur	509-647-551

** AgVentures, Harrington 509-253-4604

** Davenport Union Warehouse Company,	
Davenport	509-725-7081

* *	McKay Seed Company, Inc., Almira	509-639-229
* *	Ritzville Seed, LLC, Odessa	509-982-266
* *	Reardan Seed Company Inc. Reardan	509-796-257

SNOHOMISH COUNTY

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

** Custom Seed Conditioning, Inc., Elk	
(Portable)	509-292-2506
Primeland, Rockford	509-291-5511
* Spokane Seed Company, Spokane	509-535-3671

* * Co-Ag, Fairfield 509-283-2333

WALLA WALLA COUNTY

* *	Blue Mountain	Seed,	Inc.,	Walla	Walla	509-529-3366
	Blac Woalltaill	oooa,	,	v v ana	vvana	000 020 0000

* * 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

* BNP Lentil Company, Farmington...... 509-287-2711

WHITMAN COUNTY

2 20 00pa,, . ag
** 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
·

YAKIMA COUNTY

** WSCIA Foundation Seed Service, WSU

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

Seedhouse, Pullman 509-335-4365

** 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 contaminates, 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.

2014 **SPRING** CERTIFIED SEED **BUYING GUIDE**





Department of Crop and Soil Sciences

in cooperation with

WASHINGTON STATE CROP IMPROVEMENT ASSOCIATION 2575 NE Hopkins Ct.

Pullman, Washington 99163 509-334-0461

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 and quality in Washington State.

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, 2012 and 2013. 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
- b. Count the number of seeds in a pound of seed or
- c. Count 1000 seeds, weigh and convert to seeds/pound*
 i.e. 1000 seeds x 454 grams = 9870 seeds/pound
 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. $\frac{15 \text{ seeds}}{\text{sq. ft.}} \times \frac{\text{43560 sq. ft.}}{\text{acre}} \times \frac{\text{y pound}}{\text{9000 seeds}} = 73 \text{ pounds/}$
- To determine what your seeds/square foot is based on your current seeding rate:
- i.e. $\frac{60 \text{ pounds}}{\text{acre}} \times \frac{9000 \text{ seeds}}{\text{pound}} \times \frac{\text{acre}}{43560 \text{ sq. ft.}} = 12 \text{ seeds/}$
- 4. 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

Seeds/Linear Foot = Seeds Ft.² x Row Width)/12

Desired Seeds Per Square Foot Width 10 15 20 25 Inches Seeds Per Linear Foot 13 15 18 12 15 20 10 13 17 15 19 23 13 17 21 25 10 15 20 25 30 12 23 35 6 18 29 13 20 27 33

SPRING BARLEY····································														
									PREC	CIPITATION ZONE (IN	CHES)	RATINGS (1 = Best	to 9 = Poorest)*	
			SEED CLASS		PLANT HEIGHT	STRAW	DAYS TO HEAD	TEST WEIGHT					•	
VARIETY MALTING	ORIGINATOR	RELEASE DATE	AVAILABILITY	HEAD TYPE	INCHES	STRENGTH	Julian Days	(LBS/BU)	< 16"	16″-20″	>20"	STRIPE RUST***	LEAF RUST	VARIETY
MALTING									Yi	eld as a % of Barones	sse			
CDC Copeland	U. of Saskatchewan	1999	Registered	2-row	36	ModStiff	179	50.1	89	102	102	5	6	CDC Copeland
Harrington	U. of Saskatchewan	1986	Certified	2-row	33	Moderate	178	51.2	86	93	95	5	6	Harrington
NON-MALTING														
Baronesse	Nord Saat/Westbred LLC	1992	Certified	2-row	31	ModStiff	178	51.5	100	100	100	4	2	Baronesse
Bob	WSU	2002	Certified	2-row	32	Moderate	176	52.5	96	98	101	2	8	Bob
CDC Meredith	U. of Saskatchewan	2009	Registered	2-row	32	Moderate	178	49.9	89	100	104	5	6	CDC Meredith
Champion	Westbred LLC	2008	Certified	2-row	33	ModStiff	176	53.2	116	106	110	9	8	Champion
LCS Vespa	Limagrain Cereal Seeds		Certified	2-row	28	Stiff	178	51.4	99	111	107	8	2	LCS Vespa
Baronesse Bob CDC Meredith Champion LCS Vespa Lenetah	UI	2007	Certified	2-row	31	ModStiff	178	52.5	113	108	104	5	8	Lenetah
Lyon	WSU	2013	Breeder Only	2-row	30	Moderate	176	51.4	104	103	109	8	2	Lyon
Lyon Muir	WSU	2013	Breeder Only	2-row	32	ModStiff	176	51.8	110	101	105	2	2	Muir
			•				Yield of BARO	NESSE (LBS/A)	3410	4260	4240			
OTHER VARIETIES Data are from 2013 trials only														
Genie	Limagrain Cereal Seeds			2-row	30		174	50.4	96	115	104	8		Genie
Genie Odyssey Overture	Limagrain Cereal Seeds			2-row malt	29		174	49.5	99	111	97	1		Odyssey
Overture	Limagrain Cereal Seeds			2-row malt	30		175	49.9	105	112	99	1		Overture
	ŭ						Yield of BARO	NESSE (LBS/A)	3955	4530	4850			
CDDING MI	ICAT				0000		CHADACT	FDICTIOS						

PRECIPITATION ZONE (INCHES) RATINGS (1 = Best to 9 = Poorest)* HEADING TEST PLANT RELEASE SEED CLASS HEIGHT DATE Julian WEIGHT STRIPE HESSIAN QUALITY VARIETY ORIGINATOR DATE AVAILABILITY INCHES Days (LBS/BU) <12" 12"-16" 16"-20" >20" IRRIGATED < 12" 12"-16" 16"-20" > 20" IRRIGATED RUST** RUST MILDEW FLY RATING VARIETY SOFT WHITE COMMON 1993 Certified 32 172 60.6 13.0 12.7 10.4 12.6 Desirable Alpowa WSU 11.5 Alpowa Babe WSU 2009 Certified 31 170 60.8 13.0 12.2 11.3 10.5 12.4 Most desirable Babe Diva WSU 2010 Certified 33 170 60.3 12.9 12.4 11.4 10.6 13.4 94 Most desirable 98 101 96 Diva Louise WSU 2004 Certified 34 170 59.8 12.9 12.1 11.5 10.1 13.2 100 100 100 100 100 Most desirable Louise Nick Westbred LLC 2002 Certified 31 168 60.1 13.6 12.9 11.9 11.0 13.1 91 96 96 92 109 Desirable Nick **UI-Stone** 2012 11.9 Registered 31 168 60.8 12.4 11.8 11.3 10.6 88 95 97 92 106 Most desirable **UI-Stone** WSU 2008 Certified 168 59.8 13.1 13.2 11.8 11.0 13.4 88 91 100 Most desirable 99 Whit WB-1035CL+ 59.9 Westbred LLC 2011 Certified 168 14.4 13.8 12.8 12.1 14.1 93 WB-1035CL+ **SOFT WHITE CLUB** JD WSU 2009 Certified 61.1 13.2 13.0 13 7 11.9 11.1 Most desirable Yield of LOUISE (BU/A) 32 57 70 76 HARD RED ERSON LCS-Buck Pronto Buck Semillas S. A. 2001 Certified 31 167 60.5 15.7 14.6 13.7 13.3 15.3 100 100 LCS-Buck Pronto 100 Desirable Bullseye AgriPro Wheat 2009 Certified 28 168 61.9 15.2 14.7 13.4 13.1 14.8 107 102 103 103 Desirable Bullseye Glee (WA 8074) WSU 2012 Certified 31 167 60.9 15.5 15.1 13.1 12.8 15.8 100 106 110 110 Glee (WA 8074) Most desirable WSU 2003 Certified 15.6 15.4 14.1 13.7 15.7 104 97 168 60.1 Most desirable Hollis Jefferson 13.6 13.3 UI 1997 Certified 31 168 60.3 15.6 14.5 14.6 100 100 100 100 100 Desirable Jefferson WSU 2008 15.4 15.8 Kelse Certified 33 169 60.6 16.3 14.0 13.9 96 100 103 92 Desirable Kelse _assik **UC Davis** 2007 Certified 28 169 60.7 14 8 13.7 13.0 12.8 13.7 100 104 97 97 102 Lassik Scarlet 1999 59.3 15.5 14.9 13.1 15.8 104 87 WSU Certified 32 169 13.2 106 102 106 Desirable Scarlet Tara 2002 WSU 2001 Certified 32 167 60.3 15.9 14.3 13 4 13.6 15.8 89 102 92 99 93 Tara 2002 Most desirable Yield of JEFFERSON (BU/A) 62 101 **HARD WHITE** % Protein BR 7030 World Wide Wheat, LLC 2006 Certified 168 61.1 15.2 14.3 12.8 12.3 14.6 106 102 Least desirable BR 7030 2012 168 13.1 12.5 15.0 87 97 Dayn (WA 8123) WSU 30 60.7 15.3 14.3 104 Dayn (WA 8123) Registered WSU 2004 Certified 35 170 60.8 14.4 13.6 12.5 11.6 13.8 100 100 100 100 100 Otis Patwin 515 **UC** Davis 2013 Foundation 23 170 58.7 15.8 15.0 13.8 13.6 15.6 80 98 86 81 73 Patwin 515 WB Hartline Westbred LLC 2009 Certified 31 169 59.3 15.7 14.2 13.0 12.7 16.2 90 110 103 96 75 WB Hartline 77 Yield of OTIS(BU/A) 30 51 63 120 **OTHER VARIETIES** 2012 & 2013 Variety Testing data from Moses Lake only, except WB-Fuzion, which is 2 012 Moses _ake data only. Resource Seeds. Inc 2008 Certified 28 152 62.6 15.6 Cabernet Cabernet - -2007 Certified 152 62.0 15.9 Expresso Westbred LLC 32 Expresso 2005 Certified 152 62.5 15.9 Solano Westbred LLC 29 Solano WB-Fuzion WestBred LLC 2011 Certified 146 63.5 16.2 WB-Fuzion

^{*}Disease Scale Key: 1,2 = Resistant; 3,4 = Moderately Resistant; 5 = Moderately 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

**Spring Wheat Stripe rust ratings are based on 2013 data from Dr. Xianming Chen at USDA-ARS, Pullman, WA.

^{***}Barley Stripe Rust was low in 2013 and not uniform at all locations, so ratings are based on 2012 ratings. Data provided by Dr. X. Chen, USDA-ARS at WSU

^{-- =} 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, 2013.