Spring Wheat Breeder Variety Portfolio

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Developed in cooperation with
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**VARIEITES HIGHLIGHTED IN THIS COLOR ARE IRRIGATED ONLY**
Definition of Terms

Straw strength = the likelihood for a variety to lodge (linked with stature)

Maturity = the time in the late summer in which the wheat variety is ready to harvest

OR, ID & WA Preferred Wheat Varieties 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

Pacific Northwest Wheat Quality is critical and must be one of the primary factors when choosing a variety to plant.
<table>
<thead>
<tr>
<th>Type</th>
<th>Variety</th>
<th>Height</th>
<th>Test Wt</th>
<th>Stripe Rust</th>
<th>Protein</th>
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**Type:**  
SWSW = Soft White Spring Wheat; HRSW = Hard Red Spring Wheat; HWSW = Hard White Spring Wheat

**Disease scale key:**  
1, 2 = resistant; 3, 4 = moderately resistant; 5 = moderate; 6, 7 = moderately susceptible; 8, 9 = susceptible

**Hessian Fly:**  
1, 2 = resistant; 3, 4 = moderately resistant; 5, 6 = moderately susceptible; 7 - 9 = susceptible

**Test Weight:**  
Labeled as 1-3 (1 = above average test weight, 2 = average test weight, 3 = below average test weight)

* Varieties listed as aluminum tolerant or have a rating for fusarium head blight or soil borne mosaic virus have been tested. All others, consider susceptible or untested.
**UI Stone**

*Soft White Spring Wheat*

Released 2012, PVP 201300342

Pedigree: ‘Pomerelle’*2/‘Tui’

Medium-Tall stature; medium maturity; good straw strength

Test weight 60.3

**Precipitation zone 18-24”**

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
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**Babe**

*Soft White Spring Wheat*

Released 2009, PVP 201100010

Pedigree: Alpowa/3/Centennial//Wawawai//Alpowa

Medium stature; medium maturity; excellent straw strength

Test weight 60.3

**Precipitation zone >16”**

**Disease/Quality and Adaptation data**

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<tr>
<th>Height (in)</th>
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<th>Protein</th>
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</table>
**Diva**

**Soft White Spring Wheat**

Released 2010, PVP 201100268

Pedigree: Treasure/Wawawai/Louise

Tall stature; late maturity; fair straw strength

Test weight 60.0

Precipitation zone <12 - >20"

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**Disease/Quality and Adaptation data**

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**Louise**

**Soft White Spring Wheat**

Released 2004, PVP 200500311

Pedigree: 'Wakanz'/Wawawai'

Tall stature; medium-late maturity; fair straw strength

Test weight 59.1

Precipitation zone <12 - >20"

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**Disease/Quality and Adaptation data**

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Seahawk

Soft White Spring Wheat

Released 2014, PVP

Pedigree: Whit/Alpowa Yr5//Whit/Alpowa Yr15

Medium stature; medium-late maturity; very good straw strength

Test weight 60.0

Precipitation zone 18+” dryland & >20 “irrigated”

* Aluminum tolerance

Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
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Whit

Soft White Spring Wheat

Released 2008, PVP 200900350

Pedigree: 'Challis' (PI 630935) / 'El Gaucho' / 'Sonora 64' / 'Spr Luke Mutant' / 'Centennial' / 'Alpowa'

Tall stature; early-medium maturity; very good straw strength

Test weight 59.4

Precipitation zone 16 - >20”

Disease/Quality and Adaptation data

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**WB 1035CL+**

**Soft White Spring Wheat—Clearfield type**

Released 2011, PVP 201200399

Pedigree: "BZ9M99-1019/Nick//Teal-11-A/Nick -F1///Nick

Medium stature; early maturity; fair straw strength

Test weight 59.7

**Precipitation zone 16-20”**

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**Disease/Quality and Adaptation data**

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**WB6430**

**Soft White Spring Wheat**

Released 2012, PVP 201400234

Pedigree: **Release pending**

Short stature; early maturity; excellent straw strength

Test weight 60.3

**Precipitation zone 16-20”**

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**Disease/Quality and Adaptation data**

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**WB6121**

**Soft White Spring Wheat**

Released 2013, PVP 201400232

Pedigree: Release pending

Medium—short stature; early maturity; excellent straw strength

Test weight 60.2

Precipitation zone 16-20”

**Disease/Quality and Adaptation data**

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**WB6341**

**Soft White Spring Wheat**

Released 2013, PVP 201400233

Pedigree: Release pending

Medium—short stature; medium-early maturity; excellent straw strength

Test weight 58.8

Precipitation zone 24+”

**Disease/Quality and Adaptation data**

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Soft White Spring Wheat—Club type

Released 2009, PVP 201100009
Pedigree: ‘Eden’/‘Coda’/‘PI574537’
Medium- tall stature; medium-late maturity; fair straw strength
Test weight 60.6
Precipitation zone <12- >20”

### Disease/Quality and Adaptation data

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Bullseye

Hard Red Spring Wheat

Released 2009, PVP 200900414

Pedigree: ‘Klein Dragon’/‘Buck Charrua’/‘Buck Patacon’/‘Curaco’.

All parents except Curaco are Argentine released cultivars.

Medium stature; early maturity; good straw strength

Test weight 61.3

Precipitation zone 18-24+”

* Soil Borne Mosaic Virus = 3

Disease/Quality and Adaptation data

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SY Steelhead

Hard Red Spring Wheat

Released 2013, PVP 201300338

Pedigree: 895-0136/’Scab 23-1’

Tall stature; medium-early maturity; good straw strength

Test weight 60.0

Precipitation zone 10-18”

* Fusarium Head Blight = 3

Disease/Quality and Adaptation data

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SY 605CL2

Hard Red Spring Wheat

Released 2011, PVP 201000390; Pedigree: 01II27-9-3/'Briggs'

Tall stature; early maturity; good straw strength

Test weight 60.8

Precipitation zone 10-18”

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Alum

Hard Red Spring Wheat

Released 2014, PVP 200900351

Pedigree: WA7953//Tara/WA7839

Medium stature; Medium-late maturity; very good straw strength

Test weight 60.1

Precipitation zone >18”

* Aluminum tolerance

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**Disease/Quality and Adaptation data**

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**Disease/Quality and Adaptation data**

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<td>1</td>
<td>D</td>
</tr>
</tbody>
</table>
**Chet**

**Hard Red Spring Wheat**

Released 2014, PVP

Pedigree: WA7953/Tara/WA7839

Tall stature; medium-late maturity; very good straw strength

Test weight 60.7

Precipitation zone <14”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>35.6</td>
<td>3</td>
<td>15.3</td>
<td>1</td>
<td>Pending</td>
</tr>
</tbody>
</table>

**Glee**

**Hard Red Spring Wheat**

Released 2012, PVP 201300129

Pedigree: WA7839/ID529

Medium stature; early maturity; excellent straw strength

Test weight 60.6

Precipitation zone >12”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.4</td>
<td>2</td>
<td>14.4</td>
<td>1</td>
<td>MD</td>
</tr>
</tbody>
</table>
Kelse

**Hard Red Spring Wheat**

Released 2008, PVP 200900351
Pedigree: derived from WestBred 906R (PI483455/PI520542/Scholar)
Medium stature; early maturity; fair straw strength
Test weight 60.0
Precipitation zone ‘All’

### Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>5</td>
<td>15.4</td>
<td>2</td>
<td>D</td>
</tr>
</tbody>
</table>

**WB-Fuzion**

**Hard Red Spring Wheat**

Released 2011, PVP 201100306
Pedigree: ‘Hank/McNeal’
Medium stature; medium maturity; good straw strength
Test weight 59.1
Precipitation zone 14-18”

### Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.3</td>
<td>7</td>
<td>15.7</td>
<td>5</td>
<td>MD</td>
</tr>
</tbody>
</table>
Hard Red Spring Wheat
Released 2013, PVP 201400035
Pedigree: Release pending
Medium – short stature; medium maturity; excellent straw strength
Test weight 59.7
Precipitation zone 20+”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>1</td>
<td>14.4</td>
<td>2</td>
<td>D</td>
</tr>
</tbody>
</table>

[Map showing area of cultivation]
Dayn

Hard White Spring Wheat
Released 2013, PVP 201300130
Medium stature; medium—early maturity; very good straw strength
Test weight 59.9
Precipitation zone Dryland 16-20” & “irrigated”

Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.8</td>
<td>1</td>
<td>14.2</td>
<td>8</td>
<td>D</td>
</tr>
</tbody>
</table>

WB-Hartline

Hard White Spring Wheat
Released 2012, PVP 201200156
Pedigree: “Hank/Waikoa”
Medium stature; medium maturity; very good straw strength
Test weight 58.8
Precipitation zone <12”

Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.2</td>
<td>3</td>
<td>14.7</td>
<td>2</td>
<td>MD</td>
</tr>
</tbody>
</table>
Cabernet

Hard Red Spring Wheat

Released 2008, PVP 200700161

Pedigree: Express’/6//’Proland2437’/3//’Cleo’//’Inia’//’Klassic’/4// ‘UC Tadorna’/5//’Azteca’

Short stature; early maturity; excellent straw strength

Test weight 62.8

Precipitation zone “Irrigated” 🌱

Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.3</td>
<td>7</td>
<td>14.9</td>
<td>–</td>
<td>D</td>
</tr>
</tbody>
</table>

SY Basalt

Hard Red Spring Wheat

Released 2015, PVP 201400335; Pedigree: 99WY51045/97WY64312A

Short stature; early maturity; excellent straw strength

Test weight 59.2

Precipitation zone “Irrigated” 🌱

Disease/Quality and Adaptation data

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.5</td>
<td>2</td>
<td>13.0</td>
<td>–</td>
<td>D</td>
</tr>
</tbody>
</table>
**UI Petit University of Idaho**

**Soft White Spring Wheat**
Released 2006, PVP Free
Pedigree: ‘Pomerelle’*2/’Fujimi Komugi’
Short stature; early maturity; excellent straw strength
Test weight 59.9
Precipitation zone “irrigated”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>7</td>
<td>11.1</td>
<td>8</td>
<td>MD</td>
</tr>
</tbody>
</table>

**UI Platinum**

**Hard White Spring Wheat**
Released 2014, PVP 201300342
Pedigree: ‘Blanco Grande’/’Jerome’
Short stature; early - medium maturity; very good straw strength
Test weight 60.1
Precipitation zone “irrigated”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>6</td>
<td>13.8</td>
<td>8</td>
<td>A</td>
</tr>
</tbody>
</table>
**Snow Crest**
Hard White Spring Wheat
Released 2006, PVP 200600162
Short stature; early maturity; excellent straw strength
Test weight 59.6
Precipitation zone “irrigated”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>7</td>
<td>14.2</td>
<td>8</td>
<td>MD</td>
</tr>
</tbody>
</table>

**WB-Paloma**
Hard White Spring Wheat
Released 2010, PVP 201000293
Pedigree: Ta/Snow Crest///Waieka
Medium-short stature; medium-early maturity; very good straw strength
Test weight 60.1
Precipitation zone “irrigated”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>3</td>
<td>14.9</td>
<td>5</td>
<td>MD</td>
</tr>
</tbody>
</table>
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., Washougal................................. 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
Frishneck................................................................. 509-234-2641
** Eppich Grain, Inc., Basin City................................ 509-269-4693
* L & H Seeds, Connell.................................................. 509-234-4433
* 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
** Tomco 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

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.

GRANT COUNTY (Cont.)
** 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, Fairchild................................................... 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
** WSCIA Foundation Seed Service, WSU Seedhouse, Pullman 509-335-4365
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.

WALLA WALLA COUNTY
** Blue Mountain Seed, Inc., Walla Walla.................................................................509-529-3366
** Northwest Grain Growers, Inc., Walla Walla.......................................................509-525-6510
** Tomco Seed, Clyde/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

YAKIMA COUNTY
Bleyhl Farm Service, Grandview.................................................................509-685-2248
Sunnyside......................................................................................................509-837-5755
Toppenish...............................................................................................509-865-2700
Zillah........................................................................................................509-829-6922