2016 Spring Wheat Breeder Variety Portfolio

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Developed in cooperation with WASHINGTON STATE CROP IMPROVEMENT ASSOCIATION
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Pullman, Washington 99163
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http://washingtoncrop.com/
# Table of Contents

<table>
<thead>
<tr>
<th>Page Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 3</td>
<td>Index of Varieties</td>
</tr>
<tr>
<td>Page 4</td>
<td>Definition of Terms</td>
</tr>
<tr>
<td>Pages 5 - 6</td>
<td>Breeder Varietal Summary Table</td>
</tr>
<tr>
<td>Pages 7- 12</td>
<td>Soft White Spring Wheat</td>
</tr>
<tr>
<td>Pages 13- 17</td>
<td>Hard Red Spring Wheat</td>
</tr>
<tr>
<td>Pages 18</td>
<td>Hard White Spring Wheat</td>
</tr>
<tr>
<td>Pages 19-21</td>
<td>Irrigated Varieties Only</td>
</tr>
<tr>
<td>Pages 22 - 23</td>
<td>Washington Seedsmen for Certified Seed of Field Pea, Lentil, and Small Grain</td>
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# Index of Varieties

<table>
<thead>
<tr>
<th><strong>AgriPro Varieties</strong></th>
<th><strong>Washington State University Varieties</strong></th>
<th><strong>Westbred Varieties</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>AgriPro/Syngenta: SY Steelhead Pg 13</td>
<td>Washington State University: Babe Pg 7</td>
<td>WestBred/Monsanto: WB6121 Pg 11</td>
</tr>
<tr>
<td>AgriPro/Syngenta: SY Bullseye Pg 13</td>
<td>Washington State University: Diva Pg 8</td>
<td>WestBred/Monsanto: WB6430 Pg 10</td>
</tr>
<tr>
<td>AgriPro/Syngenta: SY 605CL2 Pg 14</td>
<td>Washington State University: Seahawk Pg 8</td>
<td>WestBred/Monsanto: WB1035CL+ Pg 10</td>
</tr>
<tr>
<td>AgriPro/Syngenta: SY Basalt Pg 19</td>
<td>Washington State University: Louise Pg 9</td>
<td>WestBred/Monsanto: WB6341 Pg 11</td>
</tr>
<tr>
<td>AgriPro/Syngenta: Cabernet Pg 19</td>
<td>Washington State University: Whit Pg 9</td>
<td>WestBred/Monsanto: WB-Fuzion Pg 16</td>
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<table>
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<tr>
<th><strong>Limagrain/University of Idaho</strong></th>
<th><strong>Washington State University Varieties</strong></th>
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<tr>
<td>Limagrain/U of I: UI Stone Pg 7</td>
<td>Washington State University: Alum Pg 14</td>
<td>WestBred/Monsanto: WB9518 Pg 17</td>
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<td>Limagrain/U of I: UI Platinum Pg 20</td>
<td>Washington State University: Chet Pg 15</td>
<td>WestBred/Monsanto: WB-Hartline Pg 18</td>
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<td>University of Idaho: UI Petit Pg 20</td>
<td>Washington State University: Glee Pg 15</td>
<td>WestBred/Monsanto: Snow Crest Pg 21</td>
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<td></td>
<td>Washington State University: Kelse Pg 16</td>
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<td>Washington State University: Dayn Pg 18</td>
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<td>Washington State University/USDA-ARS: JD Pg 12</td>
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**VARIEDIES HIGHLIGHTED IN RED ARE IRRIGATED ONLY**
**Definition of Terms**

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

Maturity = the time in 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.
### Breeder Varietal Summary Data

<table>
<thead>
<tr>
<th>Type</th>
<th>Variety</th>
<th>Height (in)</th>
<th>Test Weight (lbs/bu)</th>
<th>Stripe Rust</th>
<th>Protein (%)</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
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# Breeder Varietal Summary Data – Continued

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</table>

**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 with a rating for fusarium head blight or soil borne mosaic virus have been tested. All others can be considered susceptible or untested.

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**Adaptation Area Key:** Pages 7-21

- **Identified dryland production area**
- **Identified irrigation production area**
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 lbs/bu
- Precipitation Zone: 18-24”

**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>
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</table>

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 lbs/bu
- Precipitation Zone: >16”

**Disease/Quality and Adaptation data**

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</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 lbs/bu
Precipitation Zone: <12 - >20”

<table>
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<th>Disease/Quality and Adaptation data</th>
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<tbody>
<tr>
<td>Height (in)</td>
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<tr>
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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 lbs/bu
Precipitation Zone: <12 - >20”

<table>
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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 lbs/bu

**Precipitation Zone:** Dryland +18” & >20 “irrigated”

*Aluminum tolerance*

### Disease/Quality and Adaptation data

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<tr>
<th>Height (in)</th>
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<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
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Whit

**Soft White Spring Wheat**

Released 2008, PVP 200900350


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

Test Weight = 59.4 lbs/bu

**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 lbs/bu

**Precipitation Zone: 16-20”**

**Disease/Quality and Adaptation data**

<table>
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<tr>
<th>Height (in)</th>
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<th>Protein</th>
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**WB6430**

**Soft White Spring Wheat**

Released 2012, PVP 201400234

Pedigree: Petit *4/Expresso

Short stature; early maturity; excellent straw strength

Test Weight = 60.3 lbs/bu

**Precipitation Zone: 16-20”**

**Disease/Quality and Adaptation data**

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WB6121

**Soft White Spring Wheat**
Released 2013, PVP 201400232
Pedigree: TA/*2 PR 1404/3/Expresso/4/*4 Nick
Medium-short stature; early maturity; excellent straw strength
Test Weight = 60.2 lbs/bu
**Precipitation Zone: 16-20”**

**Disease/Quality and Adaptation data**

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WB6341

**Soft White Spring Wheat**
Released 2013, PVP 201400233
Pedigree: Alturas/Nick
Medium-short stature; medium-early maturity; excellent straw strength
Test Weight = 58.8 lbs/bu
**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 lbs/bu
Precipitation Zone: <12 - >20”

Disease/Quality and Adaptation data

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<td>12.5</td>
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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 lbs/bu

**Precipitation Zone: 18-24”**

* Soil Borne Mosaic Virus = 3

**Disease/Quality and Adaptation data**

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<th>Height (in)</th>
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**SY Steelhead**

**Hard Red Spring Wheat**

Released 2013, PVP 201300338

Pedigree: B95-0136//Scab 23-1

Tall stature; medium-early maturity; good straw strength

Test Weight = 60.0 lbs/bu

**Precipitation Zone: 10-18”**

* Fusarium Head Blight = 3

**Disease/Quality and Adaptation data**

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<th>Height (in)</th>
<th>Stripe Rust</th>
<th>Protein</th>
<th>Hessian Fly</th>
<th>Quality Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>27.6</td>
<td>3</td>
<td>15.9</td>
<td>—</td>
<td>Pending</td>
</tr>
</tbody>
</table>
**SY 605CL2**

**Hard Red Spring Wheat**

Released 2011, PVP 201000390; Pedigree: 01L27-9-3//Briggs

Tall stature; early maturity; good straw strength

Test Weight = 60.8 lbs/bu

**Precipitation Zone: 10-18”**

---

**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>29.3</td>
<td>5</td>
<td>15.5</td>
<td>—</td>
<td>MD</td>
</tr>
</tbody>
</table>

---

**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 lbs/bu

**Precipitation Zone: >18”**

*Aluminum tolerance*

---

**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>29.8</td>
<td>3</td>
<td>14.7</td>
<td>1</td>
<td>D</td>
</tr>
</tbody>
</table>
Chet

Hard Red Spring Wheat
Released 2014, PVP - pending
Pedigree: WA7953//Tara/WA7839
Tall stature; medium-late maturity; very good straw strength
Test Weight = 60.7 lbs/bu
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>
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<tbody>
<tr>
<td>35.6</td>
<td>3</td>
<td>15.3</td>
<td>1</td>
<td>MD</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 lbs/bu
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>
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<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 lbs/bu

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 lbs/bu

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>

[Map of Kelse and WB-Fuzion areas]
WB9518

Hard Red Spring Wheat

Released 2013, PVP 201400035


Medium-short stature; medium maturity; excellent straw strength

Test Weight = 59.7 lbs/bu

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>

Diseases/Quality and Adaptation data

- Height (in): 28
- Stripe Rust: 1
- Protein: 14.4
- Hessian Fly: 2
- Quality Rating: D

Map showing the precipitation zone.
**Dayn**

**Hard White Spring Wheat**

Released 2013, PVP 201300130


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

Test Weight = 59.9 lbs/bu

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/Waikea

Medium stature; medium maturity; very good straw strength

Test Weight = 58.8 lbs/bu

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>
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<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//Proceland2437/3/Cleo/Inia/Klassic/4/
UC Tadorna/5/Azleca

Short stature; early maturity; excellent straw strength

Test Weight = 62.8 lbs/bu

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>
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<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 lbs/bu

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>
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<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 lbs/bu

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>
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<tbody>
<tr>
<td>31</td>
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<td>11.1</td>
<td>8</td>
<td>MD</td>
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</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 lbs/bu

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>
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</thead>
<tbody>
<tr>
<td>29</td>
<td>6</td>
<td>13.8</td>
<td>8</td>
<td>A</td>
</tr>
</tbody>
</table>

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*Images of disease/quality and adaptation data maps for 'UI Petit' and 'UI Platinum' are shown.*
**Snow Crest**

**Hard White Spring Wheat**

Released 2006, PVP 200600162


Short stature; early maturity; excellent straw strength

Test Weight = 59.6 lbs/bu

Precipitation Zone: irrigated

---

**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 lbs/bu

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>

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

**DOUGLAS COUNTY**
**Central Washington Grain Growers, Inc., Watervile........ 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
Frisnhecht.......................................................... 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.............................................. 509-765-3881
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

**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.................................................. 509-291-5111
*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...................................................509-865-2248
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, LLC, Harrah........................................509-848-2842
Yakima Co-op, Yakima...............................................................509-457-3333

All data was gathered from variety testing programs and verified by spring wheat breeders.

This publication will be annually updated to reflect all current information and changes in small grain varieties.

REFERENCES: