For years, WestBred® wheat has set the standard for the small grains industry. That’s because, with WestBred wheat, you get more than just great seed products.

You get seed backed by one of the world’s largest germplasm libraries. You reap the benefits of Monsanto’s industry-leading breeding techniques through wheat with improved characteristics. You receive varieties that are locally tested and proven to perform where you farm. And, most importantly, you get high yield potential wheat seed for your farm.

With all this comes the education, resources and experienced representatives necessary to help you reach your business goals. As we begin to offer more technological advances, we’re excited about what lies ahead for wheat in 2015.

At WestBred wheat, we strive to be the premium brand in the wheat industry. And we’ll continue to provide you with varieties that live up to your – as well as our – quality standards.

Here’s to a great 2015 wheat harvest.

Sincerely,

Jeff Koscelny
U.S. Wheat Commercial Lead
These three words represent what WestBred® wheat is all about, as well as the ways in which we can help you get the most out of your operation. Our **SEEDS** provide the innovative, cutting-edge technology you need for maximum yield potential. Our seed suppliers provide you with **SOLUTIONS** – backed by vast industry knowledge, experience and training – to face any opportunity or challenge. Through these, we help you achieve **SUCCESS**, year after year.

More than just words, this is our promise to you. Because at WestBred wheat, we're dedicated to your continued success.
WestBred® wheat is the name farmers throughout the West have come to know and trust. You can depend on us to be your knowledgeable and trusted partner in the wheat industry.

By providing varieties that are locally adapted, we’re able to deliver a diverse selection of high-performing wheat varieties with the important characteristics you need – so you can get the most from your acres.

Our goal has always been to help farmers achieve high yield potential today – and over the long term. Now, with regional testing in place throughout the Northern region, we’re able to do that for you – right in your backyard.
Over the years, WestBred® wheat has made a name for itself in breeding, which is the foundation for all WestBred wheat products. It is through breeding that the improvements in yield potential begin.

Rather than having breeders and technologies spread across multiple locations, people and processes were brought together at the new Wheat Technology Center in Twin Falls, Idaho, to improve the quality and speed of Monsanto’s innovation in wheat.

With Monsanto providing WestBred wheat access to advanced breeding technologies and research capabilities, farmers all over the Northern region can now expect to get proven varieties with the important characteristics they want – faster. Breeding has always played a central role in agriculture, and now with the Wheat Technology Center, breeding is more important than ever when it comes to improving wheat yield potential on farms like yours.
**WHEAT VARIETIES**

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Herbicide Tolerance</th>
<th>Maturity</th>
<th>Seeding Rate</th>
<th>Yield Potential</th>
<th>Plant Height</th>
<th>Winter Hardiness</th>
<th>Test Weight</th>
<th>Standability</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDC FALCON</td>
<td>HRW</td>
<td>-</td>
<td>M</td>
<td>M</td>
<td>3</td>
<td>M</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>WB-GRAINFIELD</td>
<td>HRW</td>
<td>-</td>
<td>M-L</td>
<td>M</td>
<td>1</td>
<td>M</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>WB-MATLOCK</td>
<td>HRW</td>
<td>-</td>
<td>M</td>
<td>M</td>
<td>2</td>
<td>M-T</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>WB4059CLP</td>
<td>HRW</td>
<td>CLP</td>
<td>E</td>
<td>M-H</td>
<td>3</td>
<td>S</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

**WB4059CLP • Hard Red Winter Wheat**

- Very Good Yield Potential
- Excellent Standability
- Early Maturity
- Clearfield® Plus System

**Characteristics**
- Plant Height: Short
- Maturity: Early
- Standability: Excellent

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab) 7
- Leaf Rust 6
- Tan Spot 5
- Foliage Disease 7

**WB-GRAINFIELD • Hard Red Winter Wheat**

- Excellent Yield Potential
- Good Drought Tolerance
- Good Disease Package

**Characteristics**
- Plant Height: Medium
- Maturity: Medium-Late
- Standability: Very Good

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab) 5
- Leaf Rust 3
- Stem Rust 4
- Tan Spot 5
- Foliage Disease 7

**CERTIFIED SEED ONLY (CSO)**

Varieties are designated as limited-use licensed products under the Monsanto Wheat Seed Agreement and/or WestBred Wheat Seed Agreement. For more information on the Grower Licensing Data Reporting (GLDR) program, CSO election or purchaser property rights, please visit AgCelerate.com or WestBredSeeds.com.
## Pest and/or Disease Profile

<table>
<thead>
<tr>
<th>Disease Type</th>
<th>CDC FALCON</th>
<th>WB-MATLOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fusarium Head Blight (Scab)</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Leaf Rust</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Stem Rust</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Tan Spot</td>
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<td>7</td>
</tr>
<tr>
<td>Foliar Disease</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

## Characteristics

### CDC FALCON
- **Excellent Yield Potential**
- **Excellent Winter Hardiness**
- **Very Good Protein Potential**
- **Widely Adaptable**

### WB-MATLOCK
- **Excellent Yield Potential**
- **Excellent Winter Hardiness**
- **Very Good Protein Potential**
- **Widely Adaptable**

### Test Weight
- **Very Good**

### Winter Hardiness
- **Excellent**

### Standability
- **Very Good**

### Pest and/or Disease Profile

<table>
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<td>2</td>
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</tr>
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<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Foliar Disease</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

## Clearfield® Plus Benefits

- Provides broad-spectrum grass and broadleaf weed control, meaning cleaner fields and greater yield potential
- Reduces dockage caused by weed seed in harvested grain
- Clearfield® Plus technology allows for split application of Beyond® herbicide (low rate in fall, full rate in early spring*)
- Reduces potential for grain discounts by managing tough-to-control annual grass weeds, resulting in a lower foreign matter percentage in grain

* Always consult your local BASF or retail chemical representative for complete Beyond herbicide label requirements.
WHEAT VARIETIES

8

MANAGEMENT

Name | Class | Herbicide Tolerance | Maturity | Seeding Rate | Yield Potential | Plant Height | Test Weight | Standability
--- | --- | --- | --- | --- | --- | --- | --- | ---
BREAKER | HRS | - | M | M | 2 | M | 1 | 4
GRANITE | HRS | - | M-L | M | 2 | M | 1 | 1
SAMSON | HRS | - | M-E | M | 2 | S | 3 | 1
VANTAGE | HRS | - | M-L | H | 3 | M | 2 | 1
WB-DIGGER | HRS | - | M-E | M | 3 | M | 3 | 4
WB-MAYVILLE | HRS | - | M-E | M-H | 1 | S | 2 | 1

NEW WB9507 • Hard Red Spring Wheat

- Excellent Yield Potential
- Very Good Fusarium Head Blight Resistance

Characteristics
Plant Height: Medium
Maturity: Medium
Standability: Good

Test Weight: Very Good
Protein Content: Very Good
Milling/Baking Quality: Very Good

Pest and/or Disease Profile
Fusarium Head Blight (Scab) 3
Tan Spot 2
Leaf Rust 4
Stem Rust 4

NEW WB-MAYVILLE • Hard Red Spring Wheat

- Outstanding Straw Strength
- Excellent Protein Potential
- Improved Disease Package

Characteristics
Plant Height: Short
Maturity: Medium-Early
Standability: Excellent

Test Weight: Excellent
Protein Content: Excellent
Milling/Baking Quality: Very Good

Pest and/or Disease Profile
Fusarium Head Blight (Scab) 7
Tan Spot 7
Bacterial Blight 5
Leaf Rust 3
Stem Rust 2

CLASS
HRW .......... Hard Red Winter
HWW .......... Hard White Winter
SWW .......... Soft White Winter
SRW .......... Soft Red Winter
Durum .......... Durum
HRS .......... Hard Red Spring
HWS .......... Hard White Spring
SWS .......... Soft White Spring

HERBICIDE TOLERANCE
CL .......... Clearfield®
CLP .......... Clearfield® Plus
CL+ .......... Clearfield® Plus

MATURITY CODES
E .......... Early
M-E .......... Medium-Early
M .......... Medium
M-L .......... Medium-Late
L .......... Late

SEEDING RATE
M .......... Medium
M-H .......... Medium-High
H .......... High

NUMERIC RATING SCALE
1-2 ........ Excellent
3-4 ........ Very Good
5-6 ........ Good
7-8 ........ Fair
9 ........ Poor
- .......... Current Data Not Available

PLANT HEIGHT
S .......... Short
M-S .......... Medium-Short
M .......... Medium
M-T .......... Medium-Tall
T .......... Tall

INTELLECTUAL PROPERTY
Y .......... Yes
N .......... No
P .......... Pending

2015 WESTBRED® WHEAT SEED PRODUCT GUIDE
### SAMSON - Hard Red Spring Wheat

- Excellent Yield Potential
- Medium-Early Maturity

**Characteristics**
- Plant Height: Short
- Maturity: Medium-Early
- Standability: Excellent

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab): 8
- Tan Spot: 4
- Bacterial Blight: 5
- Leaf Rust: 5
- Stem Rust: 1

**Test Weight**: Very Good
**Protein Content**: Very Good
**Milling/Baking Quality**: Excellent

---

### VANTAGE - Hard Red Spring Wheat

- Outstanding Protein Potential
- Excellent Standability

**Characteristics**
- Plant Height: Medium
- Maturity: Medium-Late
- Standability: Excellent

**Test Weight**: Excellent
**Protein Content**: Excellent
**Milling/Baking Quality**: Good

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab): 5
- Tan Spot: 6
- Bacterial Blight: 7
- Leaf Rust: 5
- Stem Rust: 3

---

### TECHNICAL PRODUCT MANAGERS, new to WestBred® wheat, will drive product and technology education to help you make the best decisions for your operation’s overall success.
### WB-DIGGER • Hard Red Spring Wheat

- Excellent Medium-Early Maturing Dryland Variety
- Very Good Standability

**Characteristics**
- Plant Height: Medium
- Maturity: Medium-Early
- Standability: Very Good

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab): 6
- Tan Spot: 4
- Bacterial Blight: 5
- Leaf Rust: 4
- Stem Rust: 2

- Very Good Yield Potential
- High Tilling Potential

**Numeric Rating Scale:**
- Excellent (1-2)
- Very Good (3-4)
- Good (5-6)
- Fair (7-8)
- Poor (9)

See complete legend on page 8.

### BREAKER • Hard Red Spring Wheat

- Excellent Yield Potential
- Very Good Protein Potential
- Very Good Standability
- Excellent Disease Package

**Characteristics**
- Plant Height: Medium
- Maturity: Medium
- Standability: Very Good

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab): 3
- Tan Spot: 6
- Bacterial Blight: 2
- Leaf Rust: 3
- Stem Rust: 2

### GRANITE • Hard Red Spring Wheat

- Excellent Yield Potential
- Outstanding Protein Potential
- Excellent Standability
- Uniform Plant

**Characteristics**
- Plant Height: Medium
- Maturity: Medium-Late
- Standability: Excellent

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab): 6
- Bacterial Blight: 7
- Leaf Rust: 6
- Stem Rust: 4

- Excellent Yield Potential
- Outstanding Protein Potential
- Very Good Standability
- Uniform Plant

**Numeric Rating Scale:**
- Excellent (1-2)
- Very Good (3-4)
- Good (5-6)
- Fair (7-8)
- Poor (9)

See complete legend on page 8.

### WB9879CLP • Hard Red Spring Wheat

- Very Good Yield Potential
- Excellent Standability
- CLEARFIELD® Plus Technology
- Solid Stem for Wheat Stem Sawfly Resistance

**Characteristics**
- Plant Height: Medium-Tall
- Maturity: Medium-Early
- Standability: Excellent

**Pest and/or Disease Profile**
- Fusarium Head Blight (Scab): 6
- Tan Spot: 4
- Bacterial Blight: 2
- Leaf Rust: 3
- Stem Rust: 2

- Very Good Yield Potential
- Outstanding Protein Potential
- Excellent Standability
- Uniform Plant
- CLEARFIELD® Plus Technology

**Numeric Rating Scale:**
- Excellent (1-2)
- Very Good (3-4)
- Good (5-6)
- Fair (7-8)
- Poor (9)

See complete legend on page 8.
CERTIFIED SEED is seed of a known variety that has passed field inspection and lab testing for varietal purity, which includes the absence of certain wheat seeds, other crop seeds and certain seed-borne diseases. When you purchase Certified Seed, you are purchasing the purest, highest quality, best germinating and highest yielding wheat seed available in the marketplace.

Let’s consider a few important benefits of Certified Seed.

• **Minimize Agronomic Risks.**
  Planting professionally conditioned, quality seed of the most recently released varieties provides farmers a great opportunity to minimize certain agronomic risks, such as pests and diseases, and maximize yield potential.

• **Variatel Purity Results in Yield Potential.**
  While certification requirements vary by state, certain protocols – like rotation, isolation and quality grading – are standard among state certification programs. What does that mean for you? Varietal purity, which results in the best yield potential.

• **Invest in the Future of the Wheat Industry.**
  In order to bring about new technologies and improved wheat varieties, more needs to be done in the areas of research and development. When you buy Certified Seed, you are investing in the future of wheat.

As a key member of our support team, Steve Sebesta partners with your local seed supplier to provide you with the education, resources and experience to help maximize your harvest.

Contact Steve for any of your wheat support needs:
**Steve Sebesta**
Regional Commercial Manager - Northern
(701) 730-3455
stephen.j.sebesta@monsanto.com

Ratings are 2013/2014 Monsanto Wheat Breeding Research Data. Individual results may vary and performance may vary from location and from year to year. The result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

PVP-94, PVP Title V and/or U.S. Patent have been granted or applied for on the featured and other WestBred brand varieties. For specific information and details, please visit WestBredSeeds.com.

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MWEST-15011

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IF PVP STATUS IS NOT PROTECTED, THE STATEMENT BELOW APPLIES: Purchaser represents that he is obtaining the seed solely for the purposes of producing a grain, fiber or forage crop and that the seed, and any product from the seed, shall not be resold as seed or used for seed breeding purposes. The PVP logo is a registered mark of the American Seed Trade Association.