Curiosity CL+ is a soft white common winter two-gene Imidazolinone tolerance (Clearfield) wheat variety developed and released in 2013 by the Agricultural Research Center of Washington State University. It’s the first two-gene Clearfield (CL+) wheat variety released by WSU. Compared to the single-gene, the two-gene technology provides significantly better tolerance to Imidazolinone group of herbicide imazamox. Curiosity CL+ was developed using marker-assisted background selection approach. Compared to popular wheat varieties including those with Clearfield technology, Curiosity CL+ has higher yield potential, excellent snow mold resistance, and better stripe rust resistance. Curiosity CL+ is ideal for Pacific Northwest areas where ORCF102, ORCF103, Eltan, and Xerpha are currently grown.

**AGRONOMICS**

- Imidazolinone Tolerance: Two-gene
- Yield Potential: Excellent
- Test Weight: High
- Grain Protein: Good
- Cookie Diameter: Very Good
- Sponge Cake Performance: Superior
- Quality: Acceptable

**DISEASE RESISTANCE**

- Stripe Rust: Moderately Resistant
- Snow Mold: Similar to Eltan
- Winter Hardiness: Similar to Eltan
- Cephalosporium Stripe: Equal to Eltan
- Strawbreaker Foot Rot: Similar to Eltan
Data from WSU Variety Testing Program

### INTENDED PRODUCTION AREA

- Almira
- Pullman
- Farmington
- Mayview
- Fairfield
- Reardan
- Lind
- Connell
- Fairview
- Reardan
- Harrington
- Franklin

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### 4-Year Average Yield (bu/acre) and Test Weight from 2012–2014

<table>
<thead>
<tr>
<th>Variety</th>
<th>Connell</th>
<th>Harrington</th>
<th>Lind</th>
<th>Almira</th>
<th>Mayview</th>
<th>Reardan</th>
<th>Fairfield (^2)</th>
<th>Pullman (^2)</th>
<th>Farmington (^2)</th>
<th>YLD Mean</th>
<th>Test Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curiosity CL+</td>
<td>43</td>
<td>71</td>
<td>41</td>
<td>114</td>
<td>123</td>
<td>115</td>
<td>86</td>
<td>150</td>
<td>122</td>
<td>96</td>
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<tr>
<td>ORCF102</td>
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<td>64</td>
<td>34</td>
<td>93</td>
<td>118</td>
<td>104</td>
<td>76</td>
<td>138</td>
<td>110</td>
<td>87</td>
<td>60.8</td>
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<tr>
<td>ORCF103</td>
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<td>100</td>
<td>81</td>
<td>134</td>
<td>119</td>
<td>88</td>
<td>59.9</td>
</tr>
</tbody>
</table>

\(^1\)Data from WSU Variety Testing Program

\(^2\)Data from 2011 and 2012

**AVAILABILITY:** Foundation seed of **Curiosity CL+** is maintained by the Washington State Crop Improvement Association. For seed inquiries please call (509) 334-0461. U.S. Plant Variety Protection for this cultivar is pending.

Support for the development of this variety was provided by the Washington Grain Commission. For more information please visit [http://variety.wsu.edu/](http://variety.wsu.edu/).