Alum, a newly released hard red spring wheat from Washington State University, is intended to provide growers with low soil pH and aluminum toxicity a very solid and broadly adapted hard red spring wheat variety.

Alum has very good adult plant stripe rust resistance, Hessian fly resistance, above average test weight, very good aluminum tolerance, medium plant height with good straw strength, and very good-to-excellent yield potential across the PNW. Alum should be of particular interest to growers in Spokane, eastern Whitman, Columbia, and Walla Walla counties in Washington, and in northern Idaho.

### AGRONOMICS
- **Yield Potential**.......................... Very Good–Excellent
- **Test Weight**................................. Very Good
- **Protein**........................................ Average
- **Maturity**........................................ Medium-Later
- **Height**.......................................... Medium
- **Quality**......................................... Desirable
- **Straw Strength**.............................. Very Good

### DISEASE RESISTANCE
- **Stripe Rust**.............................. Very Good Adult Resistance
- **Hessian Fly**................................. Resistant
- **Aluminum Tolerance**..................... Excellent

1 Early season application of fungicides should be considered to limit seedling infection.
**3-Year Average Yield (bu/acre), Test Weight (lbs/bu), and Protein (%) from 2012–2014**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Dayton</th>
<th>Endicott</th>
<th>Fairfield</th>
<th>Farmington</th>
<th>St. John</th>
<th>Yield Mean</th>
<th>Test Weight</th>
<th>Protein</th>
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<tbody>
<tr>
<td>Alum</td>
<td>46</td>
<td>46</td>
<td>65</td>
<td>69</td>
<td>61</td>
<td>57</td>
<td>60.1</td>
<td>14.1</td>
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<td>44</td>
<td>62</td>
<td>67</td>
<td>59</td>
<td>56</td>
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<td>42</td>
<td>59</td>
<td>72</td>
<td>57</td>
<td>55</td>
<td>61.3</td>
<td>14.4</td>
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<tr>
<td>LCS-Buck Pronto</td>
<td>46</td>
<td>42</td>
<td>62</td>
<td>67</td>
<td>56</td>
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<td>60.0</td>
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<tr>
<td>Scarlet</td>
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<td>14.7</td>
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</tbody>
</table>

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

Support for the development of this variety was provided by Washington State University, the USDA Agricultural Research Service, and the Washington Grain Commission. For more information please visit [smallgrains.wsu.edu](http://smallgrains.wsu.edu).

Dryland wheat areas >12" precipitation, especially all low pH areas.