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Fairfield Hard Spring Wheat
1. Grain yield in the 2014 Fairfield hard spring wheat trial averaged 69 bushels/acre, five bushels/acre higher than the 3-year average at this location. The Fairfield nursery was located about four miles northwest of Fairfield, WA (L. Green, cooperator).
2. This nursery was seeded on 2 May, 2014 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill equipped with cross-slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre and a spring soil test showed 79#/acre of soil available N. Based on historical yield potential, 34#N/acre was applied to this trial to meet the protein goal for this trial. Spring seeding conditions and establishment were good, but available water was limiting late.
3. Yields ranged from 35 bushels/acre to 95 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 1 of the 42 entries are in this group. The hard white variety ‘LCS-Atomo’ was the highest yielding entry in the trial. No fungicide was applied and no stripe rust was reported.
4. Test weights averaged 56.9 lbs/bu but varied widely with a range from 51.0 to 60.5 lbs/bu and were likely influenced by limited available water during grain filling. Grain protein averaged 13.7% with a range of 11.5 to 16.1%. The average plant height was 35 inches with no lodging.