1. Grain yield in the Farmington hard spring wheat trial averaged 79 bu/ac, 8 bu/ac higher than the 5-year yield average for this location. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).

2. This nursery was seeded on 4 May, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was applied at 115#N and 17#S per acre, and a spring soil test showed that 40#N and 6#S additional fertilizer was needed for the hard wheat trial to meet university fertilization guidelines. Spring seeding conditions were good with moisture rated 9 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the alpha lattice experimental design improved variation allocation during statistical analysis and the CV by 43% compared to an RCBD design.

3. Yields ranged from 62 bu/ac to 88 bu/ac, with a CV of 7%. Yield values within the LSD range of the highest yield are shown in bold and 10 of the 30 entries are in this group. Hard white entries are listed in italicized print.

4. Average test weights were 60.6 lb/bu. Grain protein was good and averaged 13.7% with a range of 11.8% to 15.4%. The average plant height was 30 inches. No lodging occurred.