Grain yield in the Farmington spring barley trial averaged 5660 lb/ac about 510 lb/ac higher than the previous 5-year average. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).

This nursery was seeded on 4 May, 2009 following winter wheat. Seed was placed at a 90#/acre seeding rate using a double disc plot drill fitted with seven openers set on 6-inch spacing. Spring seeding conditions were good. Base fertilizer was 115#N and 17#S per acre applied in the spring and a soil test shows adequate nutrients. The alpha lattice experimental design improved variation allocation during statistical analysis and the CV by 49% compared to an RCBD design.

Yields ranged from 3380 lb/ac to 6900 lb/ac, with a CV of 7%. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 36 entries are in this group. Six-row entries are listed in italicized print and the hulless cultivars are designated.

Test weights were good with an average of 50.7 lb/bu and ranged from 47.2 lb/bu to 57.5 lb/bu. The hulless cultivars produce the highest test weights. Plump grain (>6/64” screen) averaged 96%. Grain protein averaged 13.7%. The average plant height was 25 inches.