

Wheat Research Progress Report

Project #: 3057-3720

Title: Quality of Varieties & Pre-Release Lines: Genotype & Environment – “G&E” Study

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Progress Report Year: 2008

ACCOMPLISHMENTS & RESULTS:

Milling and baking evaluations for the samples from the 2008 crop are nearly complete.

As in previous years, all quality data will be analyzed using the *t*-score statistics.

The quality *t*-scores for each spring wheat hard red, hard white, soft white common and club varieties, and winter wheat hard red, hard white, soft white common and club varieties are summarized under ‘Grain’, ‘Milling’, ‘End-Product’, and ‘Overall’ Scores. Varieties in each market class/sub-class are then ranked by the Overall Score. All varieties and advanced breeding lines with three or more years of data are included in the final listing.

Using these results and analyses, the WWQL works closely with the WGA to develop the, “*Preferred WHEAT VARIETIES for Washington based on end-use quality*”, which includes ‘Q-scores’ for each variety. Last year separate pamphlets were prepared for spring and winter wheats.

Completion of the spring wheat pamphlet in February represents the first significant accomplishment.