
Quality weightings: Soft White Spring Wheats

Grain quality = (test weight x 0.2) - (wheat protein x 0.8*)

Milling quality = (milling score x 0.6) + (break flour yield x 0.4)

End-use quality = (cookie diameter x 0.8) - (mixograph absorption x 0.2*)

Overall Score = (grain x 0.1) + (milling x 0.4) + (end-use x 0.5)

Prepared by:

Andrew S. Ross, Jae –B. Ohm; Wheat Quality Specialists, Oregon State University

Tana Simpson; Administrator, Oregon Wheat Commission

Cooperation from:

Douglas A. Engle, Craig F. Morris; USDA ARS, Western Wheat Quality Laboratory

Byung-Kee Baik; Wheat Quality Specialist, Washington State University

Washington Wheat Commission



**OREGON WHEAT
COMMISSION**



End-use quality based

Preferred Wheat Varieties
for Oregon

February 2007

Soft White Spring

Wheats

Soft White Spring Wheats

Most Desirable

Alturas
Challis
Eden
Fielder
Jubilee
Louise
Nick
Whitebird
Zak

Desirable

Calorwa
Centennial
Edwall
Pomerelle
Wakanz
Wawawai

Acceptable

Alpowa

Least Desirable

Penawawa

Guidance for Use:

When you have a choice between two varieties with similar agronomic characteristics and grain yield potential, then choose the one from the higher quality category. This will help to increase the overall quality of the Oregon wheat crop.

- Varieties are listed alphabetically by quality grouping.

--Scores based on a minimum 3 years of data.

Quality designations

Most Desirable: Varieties generally have high test weights, lower protein contents, and excellent milling and end-use properties.

Desirable: Kernel, milling, and end-use qualities of these varieties range from good to very good. The quality attributes of these varieties are desirable in international trade.

Acceptable: Kernel, milling and end-use qualities of these varieties range from acceptable to good. Individual varieties may possess minor flaws. The quality attributes of these varieties are acceptable in international trade.

Least Desirable: One or more critical flaws in quality are present in these varieties. The intrinsic quality of the Oregon SW wheat crop will be improved if these varieties are not planted.

Variations rankings between state lists may occur because different and appropriate groups of trial sites were used to calculate the quality scores for each state. Changes in lists may result from differences in environmental conditions.
