



CHALLIS

Soft White Spring Wheat

Challis is a high yielding, widely adapted white wheat for the Pacific Northwest. Challis was selected to replace the variety Vanna, and compete with the public varieties Alpowa and Penewawa. Yield and test weight of Challis are similar to Alpowa and better than Vanna or Penewawa. This variety has good milling and baking characteristics and is acceptable to the milling industry. Protein levels for Challis typically range from .5 to 1% lower than Alpowa or Penewawa. Challis is similar to Penewawa in plant height and has a slightly earlier heading date.

Agronomic Data

YIELD POTENTIAL : Excellent
 STRAW STRENGTH: V. Good
 PLANT HEIGHT: Semi-dwarf
 UNIFORMITY: V. Good
 AWNS: Awned, white
 chaff
 STRESS TOLERANCE: Good
 TEST WEIGHT: V. Good
 PROTEIN: Low
 SHATTER RESISTANCE: V. Good
 THRESHABILITY: Good

DISEASE TOLERANCE:
 Leaf Rust----- M. Susceptible
 Stripe Rust-----M. Susceptible
 Stem Rust----- NA
 Powdery Mildew----- M. Tolerant
 Root Rot----- M. Tolerant
 Hessian Fly ----- Susceptible

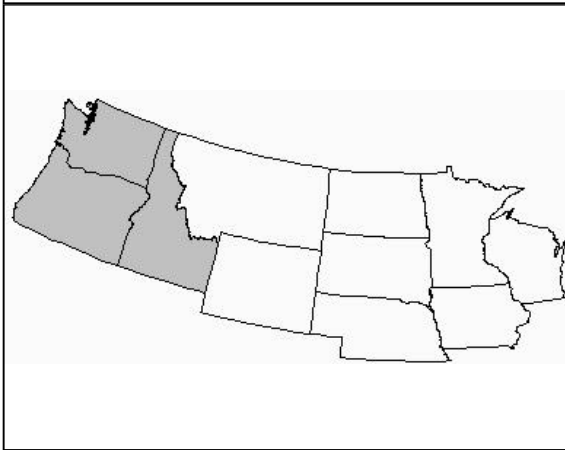
RELATIVE MATURITY: 2-3 days earlier
 than Vanna

PLANTING DATE: Same as all Spring Wheats
 in a Geographic area.

PLANTING RATE: Dryland: 75 - 100 lbs/acre
 Irrigated: 95 - 125 lbs/acre

AREA OF ADAPTATION:

Traditional soft white areas of the Pacific Northwest.
 Challis is not tolerant of Hessian Fly.



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