



Hard Red Spring wheat variety ‘Yurok’

Development: **Yurok** is a Hard Red Spring hexaploid wheat variety developed from the cross UC1110 / UC1037_{Gpc-B1-Glu-D1d, 2NS_trans}. The variety was developed by the University of California wheat breeding program and was tested in Regional Yield trials as experimental line UC1745 (<http://smallgrains.ucdavis.edu/>).

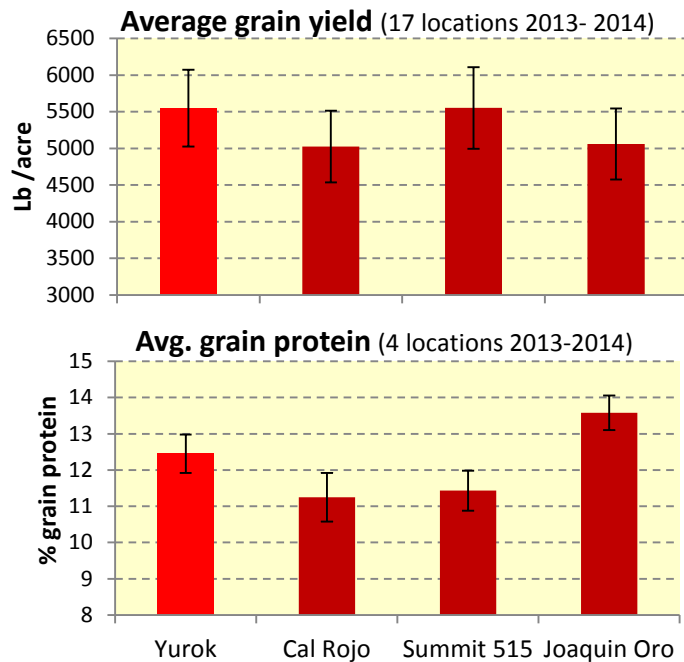
Characteristics: **Yurok** is semidwarf variety (~40 inches) with an intermediate heading time similar to Patwin, Lassik and Summit515. **Yurok** grain yield is 9% higher than Lassik and similar to Summit 515.

Disease resistance: **Yurok** is resistant to all current races of stripe rust present in California and shows good tolerance for BYDV and septoria.

Quality: **Yurok** showed excellent bread making quality in evaluations performed by the quality Laboratory at the California Wheat Commission and by the milling industry at the California Wheat Collaborator Program (2013 and 2014).

Yurok carries the *GPC-B1* gene for high grain protein content, and shows protein contents slightly higher than Cal Rojo and Summit 515, and slightly lower than Joaquin Oro. The molecular marker for the *GPC-B1* gene can be used to distinguish **Yurok** from most current commercial varieties (except Lassik).

Area of adaptation and primary use: **Yurok** performs well agronomically in all areas where it has been evaluated in California and has good quality characteristics for bread making. **Yurok** appears to be very well suited for the Sacramento, San Joaquin and Imperial Valleys where it shows high yield potential under irrigation. In all these regions **Yurok** showed high yield potential combined with excellent bread making quality and resistance to the major pathogens found in California. Its primary use is for bread production.



Procedures to maintain stock seed classes: The Department of Plant Sciences at UC Davis will maintain Breeders seed. Foundation seed will be produced and distributed by the Foundation Seed Program of the University of California, Davis. The California Crop Improvement Association will provide certification services. New Breeders seed will be produced as needed from head-row progenies obtained from the original Breeders Seed lot. Increases of Foundation Seeds from Foundation seed are allowed for indefinite number of cycles.

Intellectual property protection: **Yurok** is a public variety released by the University of California, Davis, a public institution. It is protected under Plant Variety Protection under Title V, and is sold as Certified Seed. To obtain information and/or a license for **Yurok** contact the University of California, Technology Transfer Services, UC Davis InnovationAccess: Denise L. Meade, Sr. Intellectual Property Analyst, University of California, Technology Transfer Services, UC Davis InnovationAccess, 1850 Research Park Drive, Suite 100, Davis, California 95618, tel. (530) 754-8674, dlmeade@ucdavis.edu.