

Colusa**PH989-188 (EXP. DESIGNATION)
(HARD RED SPRING WHEAT)**

Applicant: Western Plant Breeders, Inc.
6720 W. Chicago Street, #4
Chandler, AZ 85226-3300

PH989-188 is a hard red spring wheat originating from the cross Baker/Yecora Rojo//8630039 made in 1987. 8630039 is a sister line of Express. PH989-188 is a F₄ derived selection from a modified pedigree breeding procedure. PH989-188 is adapted to those areas of California where Express and Yolo are currently grown. The quality of PH989-188 is similar to Express and can be used for multi-purpose flour, tortilla flour and bread flour depending upon protein level.

PH989-188 is a day length insensitive, semi-dwarf variety which is 4cm taller than Express. PH989-188 has yellow-green leaves at boot stage. The flag leaf is erect and twisted with a waxy bloom. The auricles are purple and pubescent. The stems are white, strong and hollow with pubescence on the last internode of the rachis. The anthers are yellow. The spike is awned, long, mid-wide, mid-dense and white with an oblong shape. The awns are white and the spikes are inclined at maturity. The glumes are white, long, wide and have narrow oblique shoulders. The beaks are narrow acuminate and medium long. PH989-188 most resembles Express. PH989-188 differs from Express in that it is taller, has purple auricles, and yellow-green leaves at booting.

A variant that is similar to PH989-188 but is 4 to 12 inches taller occurs at a frequency of up to .05%. PH989-188 is resistant to Septoria tritici and leaf rust.

Western Plant Breeders will maintain breeder seed and the certified classes of seed shall be: Foundation, Registered and Certified. Registered seed will be offered for sale in the Fall of 1995. Application will be made for protection under the Plant Variety Protection Act and the "Certification Option" will not be selected. Acreage of PH989-188 is not to be published by AOSCA and certifying agencies.