

**Espresso (DA984-034SRR)
Hard Red Spring Wheat**

'Espresso' (DA984-034SRR) is a hard red wheat that originated from a backcross breeding scheme to move YR15 and YR17 into an 'Express' background. The crossing and marker assisted selection were performed in the greenhouse by Dr. Jorge Dubcovsky of the University of California, Davis. WestBred, LLC is the owner of 'Espresso' because it is essentially derived from the variety 'Express'. WestBred, LLC is the owner of 'Express'. 'Espresso' is adapted to the same areas as 'Express'. These areas include the irrigated areas of the Sacramento Valley, Idaho and Washington. 'Espresso' has good milling and bread baking properties and is equal in quality to 'Express'. The end use primary purpose of 'Espresso' is to make raised pan loaf bread.

'Espresso' is daylength insensitive hard red spring wheat. "Espresso" is a semidwarf variety with good straw strength and medium maturity. The stems are hollow and white. 'Espresso' has white colored chaff. The spikes are long, lax, awned and oblong. The glumes are long, wide with oblique shoulders. The glume beaks are medium in length and acuminate. Plant color at booting is blue green and the flag leaf is erect and twisted. Hairs are present on both the last rachis internode and the auricles. 'Espresso' has a tall variant that is 12-30 cm taller that occurs at a frequency of up to .5%. A white seed variant occurs at a frequency of up to .5%. An awnless variant occurs at a frequency of up to .5%.

'Espresso' is resistant to current field races of stripe rust in California where 'Express' is moderately susceptible and Summit is highly susceptible. No other differential disease reactions have been noted between 'Express' and 'Espresso'. 'Espresso' is susceptible to Hessian Fly.

WestBred, LLC will maintain breeder seed by reproducing the original breeder seed as needed. The certified seed classes will be Foundation, Registered and Certified. Certified seed will be offered for sale in the fall of 2007. Certified acreage is not to be published by AOSCA and certifying agencies. Application for Plant Variety Protection will be made in 2007 and the "Certification Option" will not be selected.