

# **“WB 528”**

**(Exp. # BZ 6W98-528)**

*Soft White Winter Wheat*

## Description for Crop Improvement

“WB 528” is a semi-dwarf, soft white winter wheat developed by WestBred, LLC from the cross “WestBred 470 / Madsen”. “WB 528” is similar to WestBred 470 in plant type and maturity (short, stiff straw and early in maturity). “WB 528” is resistant to the current races of stripe rust and leaf rust prevalent in the Pacific Northwest, and is moderately susceptible to powdery mildew. The milling and baking quality of “WB 528” was tested by the 2004 PNW Wheat Quality Council and “WB 528” was rated as an acceptable soft white wheat.

“WB 528” is an early to mid-season, common, soft white winter wheat. The juvenile plant growth is semi-erect and the plant color at boot stage is blue-green. The leaves at boot stage are recurved and twisted. The stem is hollow with a waxy bloom and stem anthocyanin is absent. The head is awned, mid-dense, strap shaped and inclined at maturity. The glumes are white, acuminate and have an oblique shoulder. The seed is elliptical shaped with rounded cheeks. The brush is large with medium length hairs and is not collared. The germ is mid-sized, the crease is mid-wide and mid-deep.

A tall variant that is 1-2 heads taller may occur at a frequency of up to 15 plants per 10,000 plants. Also, a red seed variant may occur at a frequency of up to 8 seed per 10,000 seed. Otherwise, no other variants are known to occur and “WB 528” is a stable and uniform variety in appearance and performance over several generations and growing conditions.

Application to the Plant Variety Protection will be made for “WB 528” and the Title IV option will not be chosen.



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