

“Eddy”

**Exp. # BZ 9W96-788-e
Hard Red Winter Wheat**

Revised August 21, 2006

Description for Crop Improvement

“Eddy” is a common, hard red winter wheat adapted to the Pacific Northwest region of the United States. “Eddy” was developed by WestBred, LLC, Inc from the cross ‘BZ9W92-709//MTSF 1142’ made near Bozeman, MT in June, 1992. BZ9W92-709 is a solid stemmed line selected by WestBred from the cross ‘Hatton/SS-14’ which was made in 1989 near Phoenix, Arizona. SS-14 is a WestBred selection from a composite cross winter wheat population that resulted from the cross of WestBred’s hard red winter Male Sterile Facilitated Recurrent Populations (MSFRSP) with the wheat stem sawfly tolerant spring wheat’s Fortuna, Lew and Rambo that was made near Phoenix, AZ in 1983. WestBred’s MSFRSP was based on the male sterile population that was originally obtained from Mr. Rex Thompson of the University of Arizona at the Mesa Experiment Station. Mr. Thompson constructed this spring MSFRSP (Wheat Germplasm CC A-1977) utilizing two male sterile lines from the variety ‘Siete Cerros 66’ and many public varieties and breeding lines as males. MTSF 1142 is a solid stemmed line selected by Montana State University from the cross ‘Lew/Tiber//Redwin’

“Eddy” is an early to mid-season in maturing, semi-dwarf, hard red winter wheat. The juvenile plant color is green and the flag leaves at boot stage are recurved and twisted. The stem is hollow, has a waxy bloom and anthocyanin is absent. The head is strap shaped, mid-dense, awned and inclined at maturity. The chaff color is white. The glume shoulders are oblique and acuminate. The seed is red, hard and ovate with rounded cheeks. The brush is large, medium in length and not collared. The crease is medium in width and is shallow in depth.

A variant that is similar to “Eddy”, but is 4 to 8 inches taller, may occur at a frequency of up to .08% (8 per 10,000 plants). Also, a white seed variant may occur at a frequency of up to .45% (45 per 10,000 seed). Otherwise, Eddy is stable and uniform in appearance and performance over several years and environments. Application to the Plant Variety Protection will be made for Eddy and the Title IV option will not be chosen.

