

“ _____ ”
Exp # ACS 52025

Hard Red Winter Wheat

July 2007

Description for Crop Improvement

‘ _____ ’ exp ACS 52025, is a semi-dwarf, hard red winter wheat developed by PZO Pflanzenzucht Oberlimpurg, in Germany, from the cross “Fundulea 4 / 5 IWWSN-1185”. IWWSN is a CIMMYT line, never registered as a variety, Fundulea 4 is a registered variety. WestBred has exclusive rights to ‘ _____ ’ exp ACS 52025 in the USA.

‘ _____ ’ exp ACS 52025 is MS to the current races of stripe rust prevalent in the Pacific Northwest.

‘ _____ ’ exp ACS 52025 is a midseason, common, hard red winter wheat. The juvenile plant growth is prostrate and the plant color at boot stage is blue-green. The leaves at boot stage are erect and twisted. The stem is hollow with a waxy bloom and stem anthocyanin is absent. The head is awned, mid-dense, strap in shape and inclined at maturity. The glumes are white, long and mid-wide, with an acuminate beak and have an oblique shoulder. The seed is elliptical shaped with rounded cheeks. The brush is mid-sized with medium length hairs and is not collared. The germ is mid-sized; the crease is mid-wide and shallow.

A tall variant that is 1-2 heads taller may occur at a frequency of up to 45 plants per 10,000 plants. Also, a red chaffed variant may occur at a frequency of up to 1 plant per 10,000 and an awnless variant may occur at a frequency of up to 1/10,000 plants. A white seed variant may occur at a frequency of up to 18 seed per 10,000 seed. Otherwise, no other variants are known to occur and ‘ _____ ’ exp ACS 52025 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 ‘ _____ ’ exp ACS 52025 and the Title IV option will not be chosen.

