

PI 559717-continued

**origin:** United States. **developed:** C.J. Peterson, R.A. Graybosch, P.S. Baenziger, D.R. Shelton, W.D. Worrall, L.A. Nelson, D.V. McVey, J.H. Hatchett. **origin institute:** Agricultural Research Service -- USDA, Dept. of Agronomy, University of Nebraska, Lincoln, Nebraska 68583 United States. **origin institute id:** N86L177. **pedigree:** Nap Hal/Lancer//Karlik 1/3/NS 622/4/Centurk/GK-Tiszataj/2/ Plainsman V. **other id:** GP-344. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Awne, white-glumed, short wheat. Height equal to Karl. Maturity similar to slightly earlier than Karl. Winterhardiness better than TAM-200 & slightly less than Karl. Leaves moderately erect. Straw very stiff. Tillering lower than commonly grown NE varieties. Possesses Sr5, plus gene(s) which confer resistance to current field races of stem rust. Mod. susceptible to current field races of leaf rust. Mod. susceptible to soilborne wheat mosaic virus. Susceptible to Great Plains biotype of Hessian fly. Lodging resist. high. Superior grain protein concentration. Breeding Material. Seed.

PI 559718. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801, United States. Received January 06, 1991.

**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **cultivar:** FW-301. **pedigree:** Daws/Sm-4//McDermid/Sm-11. **other id:** FW81464-301. **remarks:** Soft white winter wheat, mid-tall, (90 to 110cm). Maturity mid-early. White chaffed linear to fusiform lax awne (20-80mm long). Awne tend to spread. Spike tends to nod. Winter habit is semi-prostrate. Glumes glabrous, mid-long, wide with mid-wide acuminate beaks (2-5mm long). Beak shoulder narrow, oblique. Kernel mid-long, ovate to elliptical, shallow narrow crease, cheeks rounded, germ mid-size, brush mid-size short. Rachilla short, hairy. Winter Annual. Cultivar. Seed.

PI 559719 to 559720. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

**Donated by:** Quick, J.S., Colorado Agr. Exp. Sta., Dept. of Agronomy, Colorado State University, Fort Collins, Colorado 80523, United States. Received January 06, 1991.