

PI 564818 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW205-19B. **pedigree:** 1523/Druchamp/2/Reibesel/4/Moldova/3/1523/Druchamp/2/Reibesel. **remarks:** Mid-height, mid-late, stiff strawed, winter. Spike awned, lax. Glume white. Kernel soft, white, mid-long, elliptical. Germ small. Crease wide, deep. Crease tend to angular. Brush mid-size, short. Fair yield and quality. Selected for tolerance to foliar and root diseases in irrigation sandy soil complex. Winter Annual. Breeding Material. Seed.

PI 564819 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** KW90-PB-H2019. **pedigree:** Excelsior/BYDV tolerant bulk selection. **remarks:** Tall, late, winter. Spike awnleted, linear, fusiform, narrow. Glume glabrous, white, long, narrow. Kernel long, narrow, brown, soft. Germ small. Crease wide, deep. Cheeks angular. Brush large, long. Exceptionally good tolerance to BYDV, and root diseases. May tend to respond as perennial. Winter Annual. Breeding Material. Seed.

PI 564820 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW-TSN-B-2. **pedigree:** Flora/Hard red winter wheat selection from Turkish winter wheat nursery. **remarks:** Mid-tall, mid-season, winter. Spike lax, linear oblong. Glumes glabrous, cream, mid-long, wide. Shoulder narrow, wanting. Beak mid-wide, acuminate, long to 6mm. Awns white. Kernels mid-long, brown, near hard, elliptical. Germ large. Crease wide, deep. Cheeks angular. Brush small, short. Good foliar, root disease and BYDV tolerance. Triticale times wheat cross. Winter Annual. Breeding Material. Seed.