

PI 539123. *Hordeum vulgare* L. POACEAE Barley

Donated by: Wyoming Agricultural Exp. Sta., Laramie, Wyoming, United States. **remarks:** Released in 1943. Received January 30, 1990.

origin: Sweden. **cultivar:** FRONTIER. **pedigree:** Selected from Composite Cross II, CIho 5461. **other id:** CIho 7155. **other id:** CV-31. **source:** Agron. J. 50(11):708 1958. **group:** CSR-BARLEY. **remarks:** 6-rowed, rough-awned type. Plant height midtall. Maturity medium late. Rachilla short haired. Kernels blue, midlong to long. Seed weight 3.1 to 5.2gm per 100. Hulls slightly wrinkled. Straw moderately strong. Some resistance to loose smut (*Ustilago nuda*). Adapted to Wyoming and western Nebraska. Spring Annual. Cultivar. Seed.

PI 539124. *Hordeum vulgare* L. POACEAE Barley

Donated by: Cross, C.B., Oklahoma Agricultural Exp. Sta., Stillwater, Oklahoma, United States. **remarks:** Released in 1945. Received January 30, 1990.

origin: United States. **cultivar:** HARBINE. **pedigree:** Selection from composite cross III, CIho 5530. **other id:** CIho 7524. **other id:** CV-21. **source:** Agron. J. 45(7):320 1953. **group:** CSR-BARLEY. **remarks:** 6-rowed, rough-awned, hulled, bearded, short, stiff strawed type with outstanding resistance to lodging. Spikes somewhat short and erect. Rachilla short haired. Kernels light blue, short to midlong. Seed weight 3.1 to 4.0gm per 100. Hulls slightly wrinkled to wrinkled. Straw short, stiff. Yield average 2962kg per hectare. Test weight high. Resistant to leaf rust (*Puccinia hordei*) and some races of loose smut. Winter Annual. Cultivar. Seed.

PI 539125. *Hordeum vulgare* L. POACEAE Barley

Donated by: Josephson, L.M., Kentucky Agricultural Exp. Sta., Lexington, Kentucky, United States. **remarks:** Distributed simultaneously by the Kentucky and Pennsylvania Agricultural Experiment Stations in 1951. Received January 30, 1990.