

PI 531247 to 531248. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Ohm, H.W., Dept. of Agronomy, Purdue University, Lilly Hall of Life Sciences, West Lafayette, Indiana, United States.  
**remarks:** Released by the Purdue University Agric. Exp. Station, January 1989. Received May 02, 1989.

PI 531247 **donor id:** 76788G2-5-4-94. **origin:** United States. **cultivar:** INW8841. **pedigree:** Beau/2/65256A1-9/6575A2-7-1-1-5. **remarks:** Soft red type. Yield potential high. Test weight excellent. Lodging resistance excellent. Winter hardiness good. Plants upright in seedling stage. Awnletted. Glumes white at maturity. Milling and baking qualities good. **disease resistance:** Powdery mildew, leaf & stem rusts, Septoria leaf blotch. Moderate to soil-borne mosaic. High tolerance to take-all. **insect resistance:** Hessian fly (biotypes GP, A, B, and D). Spring Annual. Cultivar. Seed.

PI 531248 **donor id:** 77249RC1-133-3. **origin:** United States. **cultivar:** INW8852. **pedigree:** Beau/2/65256A1-8-1/67137B5-16/4/Sullivan/3/Beau/2/5517B8-5-3-3/Logan. **remarks:** Soft red type. Lodging resistance high. Winter hardiness good. Plants upright in seedling stage. Spikes awned with brown glumes, 4 kernels per spikelet. Milling and baking qualities acceptable. **disease resistance:** Powdery mildew, leaf & stem rusts, Septoria leaf blotch. Moderate to soil-borne mosaic. High tolerance to take-all. **insect resistance:** Hessian fly (biotypes GP, A, B, and D). Spring Annual. Cultivar. Seed.

PI 531249. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Wesenberg, D.M., Aberdeen Research and Extension Center, USDA-ARS, P.O. Box 307, Aberdeen, Idaho, United States. **remarks:** Developed cooperatively by USDA-ARS and the Idaho and Oregon Agric. Experiment Stations. Received April 17, 1989.

**donor id:** 78Ab6871. **origin:** United States. **cultivar:** CRYSTAL. **pedigree:** Columba/Klages. **remarks:** Plants two-rowed, malting type. Maturity midseason. Spikes lax, mid-long to long. Awns rough. Rachilla hairs long. Aleurone white. Yield, test weight, kernel plumpness, and lodging resistance superior to Klages. Malting quality acceptable, similar to Klages. Kernel color retention good. **disease resistance:** Field tolerance to *Pseudomonas* kernel blight. Spring Annual. Cultivar. Seed.