

PI 532149 to 532150. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Busch, R.H., USDA-ARS, Dept. of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota, United States. **remarks:** Developed and released cooperatively by USDA-ARS and the Minnesota Agricultural Experiment Station on April 7, 1989. Received May 09, 1989.

PI 532149 **donor id:** MN81110. **origin:** United States. **cultivar:** MINNPRO. **other id:** CV-751. **group:** CSR-WHEAT. **other id:** PVP 9000060. **source:** Pending. **group:** PVPO. **locality:** MN72299(high protein line)/MN74115(good agronomic traits). **remarks:** Hard red type with very high protein content and excellent bread-making characteristics. Moderately susceptible to loose smut (*Ustilago tritici*). **disease resistance:** Stem rust (*Puccinia graminis* f. sp. *tritici*). Leaf rust (*P. recondita*). Spring Annual. Cultivar. Seed.

PI 532150 **donor id:** MN82354. **origin:** United States. **cultivar:** VANCE. **pedigree:** ND560/MN7595. **other id:** CV-752. **group:** CSR-WHEAT. **other id:** PVP 9000071. **source:** Pending. **group:** PVPO. **remarks:** Hard red type with improved leaf and stem rust resistance, 0.5% increase in protein content, and superior bread-making characteristics. Yield high. **disease resistance:** Stem rust (*Puccinia graminis* f. sp. *tritici*). Leaf rust (*P. recondita*). Moderate to loose smut (*Ustilago tritici*)& leaf spotting dis. Spring Annual. Cultivar. Seed.

PI 532151 to 532152. *Amaranthus* sp. AMARANTHACEAE

Donated by: Guarino, L., IBPGR, Rome, Italy. **remarks:** Received through IBPGR. Received July 6, 1987.

PI 532151 **donor id:** 7273. **origin:** Oman. **collected:** June 7, 1987. **collector:** L. Guarino. **collector id:** 7273. **locality:** Farmland, 25km SE of Ibra, Sharqiya. **latitude:** 22 deg. 30 min. N. **longitude:** 58 deg. 40 min. E. **elevation:** 300m. **remarks:** Irrigated. Used as a vegetable. Primitive Cultivar. Seed.

PI 532152 **donor id:** 7313. **origin:** Oman. **local name:** Barbir. **collected:** June 11, 1987. **collector:** L. Guarino. **collector id:** 7313. **locality:** Farmstore, Al Wafi, Jaalan & Sur Province. **latitude:** 22 deg. 10 min. N. **longitude:** 59 deg. 10 min. E. **elevation:** 200m. **remarks:** Possibly a recent introduction from India. Irrigated. Used for food. Primitive Cultivar. Seed.