

PI 574638 to 574641-continued

PI 574641 **origin:** United States. **cultivar:** PLH4. **pedigree:** Resistant wild *H. annuus* plants X HA 89. F1 plants resistant to downy mildew race 4 backcrossed to cms HA 89. Resistant male-fertile BC1F1 plants backcrossed to HA 89. Resistant BC2F1 and BC2F2 plants self-pollinated. **remarks:** Most plants single-headed and self-compatible. Plant height 1.5m. Seeds either black or black with white stripes, 1,000 seed weight of 37g. 87.5% cultivated *H. annuus* and 12.5% wild *H. annuus* nuclear genes in HA 89 cytoplasm. BC2F3 generation has dominant sunflower downy mildew race 4 resistance genes at approximately 50%. Also has dominant fertility restoration gene(s), for the cms PET-1 cytoplasm, derived from respective wild *H. annuus* accessions at a frequency of 25%. Spring Annual. Breeding Material. Seed.

PI 574642. *Triticum aestivum* L., nom. cons. POACEAE Wheat

Donated by: Talbert, L.E., Montana Agr. Exp. Sta., Montana State University, Bozeman, Montana 59717-0312, United States. **remarks:** McNeal Wheat. Received December 03, 1993.

origin: United States. **developed:** S.P. Lanning, L.E. Talbert, C.F. McGuire, H.R. Bowman, G.R. Carlson, G.D. Jackson, J.L. Eckhoff, G.D. Kushnak. **origin institute:** Montana Agr. Exp. Sta., Montana State University, Bozeman, Montana 59717 United States. **cultivar:** McNEAL. **pedigree:** PI 125000/Centana//PK176/Frontiera///Glenman. **other id:** CV-794. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Hard red spring semidwarf with the Rht2 genotype, although height is a bit more than most Rht2 genotypes. Maturity mid-season. Awned with brown chaff and straw. Moderately resistant to prevalent races of stem rust (*Puccinia graminus*). Moderately susceptible to stripe rust (*Puccinia striiformis*). Yields especially well in eastern Montana. Spring Annual. Cultivar. Seed.

PI 574643 to 574657. *Camellia* hybrid THEACEAE *Camellia*

Donated by: Ackerman, W.L., U.S. National Arboretum, USDA-ARS, 3501 New York Avenue, NE, Washington, District of Columbia 20002, United States. Received December 01, 1993.