

PI 599301. *Hordeum vulgare* L. ssp. *vulgare*

Breeding. Pureline. M-Q-54; Akdeniz (M-Q-54). CV-270. Pedigree - Gamma ray induced mutant selected from Quantum. Released 08/1997. Advanced generation mutant from Austrian spring habit two-rowed grayish kernel colored Quantum. Slightly larger than semi-dwarf wild type. Adaptability wider, stem thicker, seeds larger, drought and cold tolerance higher, yielding capacity higher under drought stress, and more anthers. Almost insensitive to abscisic acid with regard to embryo germination.

The following were developed by Kay H. Asay, USDA, ARS, Forage & Range Research Unit, Utah State University, Logan, Utah 84322-6300, United States; N. Jerry Chatterton, USDA-ARS, Forage & Range Research, Utah State University, Logan, Utah 84322-6300, United States; Kevin B. Jensen, USDA, ARS, Utah State University, Forage & Range Research Laboratory, Logan, Utah 84322-6300, United States; W.H. Horton, USDA, ARS, Forage and Range Research Laboratory, Utah State University, Logan, Utah 84322-6300, United States; Douglas A. Johnson, USDA, ARS, Forage and Range Research Laboratory, Utah State University, Logan, Utah 84322-6300, United States; A.J. Palazzo, U.S. Army Cold Regions Res. and Engineering Lab., 72 Lyme Road, Hanover, New Hampshire 03755-1290, United States. Received 09/23/1997.

PI 599302. *Psathyrostachys juncea* (Fisch.) Nevski

Breeding. Population. RWR-Tetra-1. GP-75. Pedigree - 10 parental accessions of Russian wildrye, natural tetraploids AJC538, AJC539, AJC540, AJC601, and induced tetraploids AJC595, AJC596, AJC597, AJC598, AJC599, AJC600. First release of naturally occurring tetraploid Russian Wildrye germplasm. Previous work limited to tetraploids artificially induced from diploids. Seeds heavier, 0.53 g 100 seeds⁻¹. Seedling vigor greater, rate of emergence at depth of 7.6 cm is 3.4 seedling/day. Stature taller, 103 cm. Leaves longer and wider, 15.2 x 5.6 cm. Dry matter production and crude protein similar to current cultivars under different environments. Water-use efficiency better than diploids as determined by carbon isotope discrimination measurement.

The following were developed by R. Assaf, Agricultural Research Organization, Newe-Ya'ar Research Center, Dept. of Fruit Culture, Ramat Yishay, Israel. Donated by Oded Reuveni, Institute of Horticulture, The Volcani Center, ARO, P.O. Box 6, Bet Dagan, Israel. Received 02/13/1996.

PI 599303. *Ficus carica* L.

Cultivar. "NAZARTI"; DFIC 163. Collected 1961 in Israel. Found in a convent in Nazareth. Selected from large population as having superior traits. Early fruit large, green-yellow, taste good, yield high, keeping quality poor. Maturity in Israel early May-June. Late fruit green-yellow, very sweet with honey aroma, parthenocarpic without seeds. Maturity in Israel late July-August. Quality high in dried form.

The following were developed by Ferry-Morse Seed Company, Inc., P.O. Box 100, Mountain View, California 94042, United States. Received 09/23/1997.

PI 599304. *Lactuca sativa* L.

Cultivar. "PACIFIC PRIDE". PVP 9700270.