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PI 583977. Pennisetum glaucum (L.) R. Br.

Breeding. ICMR 312; BE 7264. GP-35. Pedigree - BSEC TCP 2C2 (Bold Seeded Early Composite Topcross Pollinator 2 Cycle 2). Two cycles of recurrent selection from the C3 cycle bulk of the Bold Seeded Early Composite (BSEC) Population. Restorer population of pearl millet topcross grain hybrid, ICMH 312. Height medium (179-190cm). Seed large (15g 1000 grain -1). Flowers early (45-46 days to 50% flowering). Panicles medium length (19-23cm), compact to semi-compact, and cylindrical to lanceolate. Showed high and stable resistance to downy mildew in India. Across 6 locations in India and West Africa in 1991 had 13% mean downy mildew incidence compared to 19% incidence on the resistant control, P7. Used as good source for breeding downy mildew resistant pollinator.

The following were developed by Solomon Kibite, Agriculture Canada, Research Station, Bag Service 5000, Lacombe, Alberta T0C 1S0, Canada. Received 10/19/1994.

PI 583978. Triticum aestivum L., nom. cons.

Cultivar. Pureline. "AC MICHAEL"; BW653; LAW-135-001. CV-809. Pedigree - Park/Neepawa. Hard red spring type with medium maturity, high grain yield, good lodging resistance, high test weight, high grain protein content and excellent baking and milling characteristics. Resistant to stem rust (*Puccinia graminis*), common bunt (*Tilletia caries* and *T. foetida*), loose smut (*Ustilago tritici*) and glume blotch (*Phaeosphaeria nodorum*). Moderately resistant to leaf rust (*P. recondita*) and common root rot (*Bipolaris sorokiniana*). Susceptible to tan spot. Adapted to Alberta and Western Saskatchewan.

The following were developed by N. Jerry Chatterton, USDA, ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States; Kay H. Asay, USDA, ARS, Forage & Range Research Unit, Utah State University - UMC 6300, Logan, Utah 84322-6300, United States; D.A. Johnson, USDA, ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States; Kevin B. Jensen, USDA, ARS, Utah State University, Crops 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; W.T. Hansen, USDA, ARS, Forage and Range Research Laboratory, Utah State University, Logan, Utah 84322-6300, United States; S.A. Young, Utah State University, Plants, Soils, and Biometeorology Department, Logan, Utah 84322-4820, United States. Received 10/19/1994.

PI 583979. Agropyron cristatum (L.) Gaertner

Cultivar. Population. "DOUGLAS". CV-22; PVP 9500074. Pedigree - Derived from hybrids between an accession from former Soviet Union (PI 406442) and four other accessions, three from Iran (PIs 401076, 401080 and 401085) and one from Turkey (PI 173622). First hexaploid cultivar to be released in North America. Characterized by exceptionally broad leaves, and retains forage quality better than other crested wheatgrasses. Exceptional seed vigor and forage quality during spring and early summer. Excellent winter hardiness, but not as resistant to drought as the Siberian and Standard forms of crested wheatgrass. Excellent seed producer. Recommended for semi-arid range sites with at least 25cm of annual precipitation.

PI 583980. Agropyron fragile (Roth) Candargy