

PI 590944. *Trifolium alexandrinum* L.

Cultivar. Pureline. "JOE BURTON". CV-131. Pedigree - Derived from two sets of 80 plants each, one from seed of bulk virus tolerant Multicut berseem survivors and the second from four plants selected from an adjacent stand. Winter vigorous, late blooming selected from Multicut germplasm for tolerance to several viruses: Clover Yellow Vein Potyvirus, Alfalfa Mosaic Virus, Bean Yellow Mosaic Virus, and Cucumber Mosaic Virus. For use as fall-sown green chop, silage, pasture, hay crop, or cover crop in the irrigated central valley and desert valleys of California, or as a spring-sown annual forage or cover crop in temperate zones. Frost tolerant down to -8 deg. C.

The following were developed by J. G. McLeod, Agriculture Canada, Swift Current Research Station, P. O. Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada. Received 07/03/1995.

PI 590945. X *Triticosecale* sp.

Cultivar. "AC ALTA"; UM8401A-29E1; T122. Pedigree - CIN/CNO//Beagle/3/Merino'S'/4/W74.103-ADX/Beagle'S'-M2A/X/IRA. Adapted to the Canadian Prairie region. High yielding, improved straw strength. Seeds very large averaging 47.2mg. Very resistant to the prevalent races of stem rust (*Puccinia graminis*) and leaf rust (*P. recondita*). Highly resistant to common bunt (*Tilletia laevis* and *T. caries*). Moderately resistant to common root rot (primarily *Bipolaris sorokiniana*).

PI 590946. X *Triticosecale* sp.

Cultivar. "AC CERTA"; 8930-020; T128. Pedigree - Hare 263/CIVET. Adapted to the Canadian Prairie region. Improved hectolitre weight and harvest-time sprouting resistance. Kernels small for triticale, averaging 40.9mg. Very resistant to the prevalent races of stem rust (*Puccinia graminis*) and leaf rust (*P. recondita*). Highly resistant to common bunt (*Tilletia laevis* and *T. caries*). Resistant to common root rot (*Biopolaris sorokiniana*).

The following were developed by J.M. Clarke, Agriculture and Agri-Food Canada, Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada; R. M. De Pauw, Agriculture Canada, Swift Current Research Station, Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada; J. G. McLeod, Agriculture Canada, Swift Current Research Station, P. O. Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada; T.F. Townley-Smith, Agriculture Canada, Research Branch, 195 Dafoe Road, Winnipeg, Manitoba R3T 2M9, Canada. Received 07/03/1995.

PI 590947. X *Triticosecale* sp.

Cultivar. "AC COPIA"; 8432-B1E; T111. CV-13. Pedigree - Juanillo 'S'/3/W74.103-ADX/Beagle 'S'-M2A//IRA. Adapted to the Canadian Prairie region. Improved hectolitre weight. Seeds large averaging 44.2mg. Very resistant to the prevalent races of stem rust (*Puccinia graminis*) and leaf rust (*P. recondita*). Highly resistant to common bunt (*Tilletia laevis* and *T. caries*). Moderately resistant to common root rot (*Bipolaris sorokiniana*).

The following were developed by J. G. McLeod, Agriculture Canada, Swift Current Research Station, P. O. Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada. Received 07/03/1995.

PI 590948. *Secale cereale* L. ssp. *cereale*

Cultivar. "AC RIFLE"; RT152; 8093G. Pedigree - Puma/2D 1125. Semi-dwarf winter rye. Represents 30% reduction in plant height and improved lodging and shattering resistance compared to available commercial cultivars. Kernel weight averaged about 30mg. Low temperature tolerance