

Variety: Morex      CI#: 15773

Class: Spring Barley

Participants in Release

University of Minnesota---St. Paul, MN

Release Date: February 1, 1978

Variety Description

Morex is a six-rowed, smooth-awned spring barley. The kernels are covered, medium-sized with short rachilla hairs and have a white aleurone. The spike is medium-lax, medium-long, and semi-erect. Morex is medium-early, mid-tall, and has moderately strong straw.

In regional trials conducted in collaboration with the USDA Barley and Malt Laboratory, Madison, WI, Morex exceeded Larker in extract by 2.6%. In other quality traits, it appears equal to Larker, except for protein percentage, which is lower and alpha amylase, which is higher. The malting and brewing industry has completed 4 years of testing for malting and brewing quality and has classified Morex as malting barley. Morex is superior to lodging reaction, yield, and disease resistance. Morex has a high level of resistance to stem rust and loose smut and moderately resistant to spot blotch. Grain yields of Morex have exceeded those of Larker by 9% in 28 trials in Minnesota. It is adapted to the barley growing areas in Minnesota, North Dakota, and South Dakota.

Pedigree

Morex barley, (CI 15773), was developed by the Minnesota Agriculture Experiment Station and released February 1, 1978. Tested as M23, Morex originated from an F5 plant selected from the cross Cree/Bonanza made in 1969. Selection and evaluation was done in all generations through F10, except in F2, F3, F4, and F6 generations which were grown in greenhouses and/or in a winter nursery. Selection in the early generations was done at the Northwest Experiment Station, Crookston, MN.

Seed Class

Breeder seed is maintained by the Minnesota Agriculture Experiment Station, St. Paul, MN 55108. Foundation seed will also be maintained by the Idaho Agricultural Experiment Station USDA/ARS will have no seed available for distribution. Foundation Seed should be requested through the producers own state Foundation Seed Program of Crop Improvement Association. Registered and certified classes of seed are available through certified seed dealers.