



Four New Sweet Corn Inbreds Containing the sh2 Allele

WARF: P02305US

Inventors: William Tracy

The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in several new sweet corn inbreds carrying the sh2 mutation.

Overview

Sweet corn results from a mutation at the sugary locus (su), which causes the endosperm of the seed to accumulate twice as much sugar as field corn. New mutants (sh2 and se) have been developed to improve sweet corn's sweetness and other qualities.

The Invention

A UW-Madison researcher has now developed several new sweet corn inbreds carrying the sh2 mutation. Three of the inbreds have been tested in hybrid combinations for at least three seasons and yield hybrids with good to excellent quality. These inbreds have yellow germplasm. A fourth inbred line has very high quality, flavor and texture and is useful as a male.

Applications

- Production of commercially competitive fresh market hybrids

Key Benefits

- Inbreds contain the sh2 mutation for improved corn sweetness.

Tech Fields

- [Animals, Agriculture & Food : Plant varieties](#)

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