ROBUST

Synonyms - None.                             Experimental # M36

HISTORY

Robust originated from a single F₅ plant from a Morex/Manker cross made in 1973. It was developed by the Minnesota Agricultural Experiment Station and released in February 1983.

AREA OF PRODUCTION

Robust is well adapted to Minnesota and adjoining states.

AGRONOMIC CHARACTERISTICS

Yield – Grain yields of Robust exceed those of Morex by 7% in Minnesota (1978-1983), and by 10% in regional trials (1979-1982).

Maturity - Medium late, 2 to 3 days later than Morex.

Straw Strength – Moderately strong; superior to Morex.

Disease Reaction – Resistant to stem rust and spot blotch, susceptible to loose smut.

UTILIZATION

Used for malting and brewing.
DESCRIPTION

**Plant** - Spring growth habit.

**Head** - 6-row, medium long, medium lax, semi-erect. Spike less tapering than Robust.

**Beard** - Smooth.

**Glume** - Glumes are covered with long hairs.

KERNEL

**Hull** - Adhering and wrinkled.

**Aleurone** - Colorless.

**Rachilla Hairs** - Short.

**Veins** - Central and lateral veins moderately prominent.

**Barbs of Lateral Veins** - Few to none.

**Crease** - Crease V-shaped, narrow at the base.

**Point of Attachment** - Depression tending toward a crease.

**Kernel Size** - Medium large.

**Kernel Shape** - Plump. Wide at center, tapering to both ends. Lateral kernels moderately twisted.