

## **ROBUST**

Synonyms - None.

Experimental # M36

### **HISTORY**

Robust originated from a single F<sub>5</sub> 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.