

STANDER

Synonyms - None.

HISTORY

Stander originated from an F₅ plant from the cross Excel//Robust/Bumper made in 1984 and was tested as M64. It was developed by the Minnesota Agricultural Experiment Station and released in February 1993.

AREA OF PRODUCTION

Stander is well adapted to the major malting barley production areas of the upper Midwest. It is particularly resistant to lodging, which can occur in this region.

AGRONOMIC CHARACTERISTICS

Yield - Stander has yielded 9% higher than Robust and similar to Excel in Minnesota trials.

Maturity - Medium late, approximately 2.0 days later than Robust.

Straw Strength - Very strong.

Straw Length - Medium, shorter than Robust and similar to Excel.

Disease Reaction - Stander possesses the *Rpg1 (T)* gene for resistance to stem rust and is moderately susceptible to the QCC pathotype of stem rust. It has the NDB112 gene for resistant to spot blotch and is 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.

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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.