

FOSTER

Synonyms - None

HISTORY

Foster was selected from the cross Robust///Hazen sib//Glenn/Karl made in 1985. The F₃ selection was made in 1987 and was tested as ND11055. Foster was developed by the North Dakota Agricultural Experiment Station and released in 1995. Foster is named after the long time North Dakota State University barley breeder, Dr. A. Earl Foster.

AREA OF PRODUCTION

Foster is widely adapted to the major Midwestern malting barley production areas and has performed particularly well in central and north central regions of North Dakota. Its characteristically low grain protein levels allow it to be grown in drier areas where high grain protein limits malting barley production.

AGRONOMIC CHARACTERISTICS

Yield - In North Dakota trials, Foster has yielded 5% higher than Robust.

Maturity - Midseason, approximately 1.5 days earlier than Robust.

Straw Strength - Moderately strong, similar to Excel.

Straw Length - Medium, shorter than Robust.

Disease Reaction - Foster is susceptible to wheat stem rust pathotype QCC, but has the *Rpg1* (*T*) gene that confers resistance to other common pathotypes. Foster is moderately susceptible to net blotch and resistant to spot blotch.

UTILIZATION

Used for malting and brewing.



DESCRIPTION

Plant - Spring growth habit.

Head - 6-row, medium long, medium lax, semi-erect.

Beard - Semi-smooth.

Glume - Covered with long hairs. Glumes awn approximately twice the length of the glume.

KERNEL

Hull - Adhering.

Aleurone - Colorless.

Rachilla Hairs - Long.

Veins - Central and lateral veins moderately prominent.

Barbs of Lateral Veins - None.

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, lateral kernels moderately twisted.

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