

Drummond

Synonyms - None

Experimental # ND15477

HISTORY

'Drummond' is an F₄ selection from the cross ND9712//Stander/ND12200 that has kernels with a white aleurone, long rachilla hairs, and a semi-smooth awn. The cross to produce Drummond was a three-way cross. The cross between Stander and ND12200 was made in fall 1991, and ND9712 was crossed to the F₁ of Stander/ND12200 in spring 1992. The experimental line designation of Drummond was ND15477.

Drummond is named in honor of Bill Drummond who has served barley growers and industry throughout his working career. Bill was the first executive director of the North Dakota Barley Council, an agronomist with the Malting Barley Improvement Association, and worked for the North Dakota Extension Service.

AREA OF PRODUCTION

Drummond is widely adapted to the six-rowed malting barley growing regions of the upper Midwest United States. Because of its good agronomics and excellent malt quality profile, we view Drummond as a possible replacement for Robust and Foster.

AGRONOMIC CHARACTERISTICS

Yield - Drummond has an average yield potential superior to Robust, and similar to Foster and Stander.

Maturity – Midseason, similar to Robust

Straw Strength – Very strong, superior to Stander

Straw Length – Medium-short, similar to Stander

Disease Reaction - resistant to spot blotch and moderately susceptible to net blotch; however, Drummond has better net blotch resistance than currently grown six-rowed barley cultivars. Fusarium head blight susceptibility of Drummond and Robust are similar. Based on limited data, accumulation of deoxynivalenol (DON) on Drummond is similar to that on Foster. Drummond is resistant to races of wheat stem rust prevalent in North Dakota before 1989, but is susceptible to pathotype Pgt-QCC.

UTILIZATION

Used for malting and feed.



DESCRIPTION

Plant - Spring growth habit.

Head - 6-row, Medium-lax.

Beard – Semi-smooth.

Glume – Completely covered with long hairs.

KERNEL

Hull – Adhered and slightly-wrinkled

Aleurone – White.

Rachilla Hairs – Long.

Veins – Moderately prominent.

Barbs of Lateral Veins – Absent.

Crease - Narrow at base, flared toward beard end.

Point of Attachment – Depression.

Kernel Size – Midlong to long.

Kernel Shape - Plump, no prominent bulges.

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