Registration of Crop Varieties

REGISTRATION OF GALT BARLEY
(Reg. No. 91)

S. A. Wells

‘GALT’ barley, (Hordeum vulgare L. emend. Lam.), CI 11770, was developed at the Research Station, Lethbridge, Alberta, in cooperation with the Experimental Farm at Swift Current, Saskatchewan. Galt originated from the cross ‘Glacier’ × ‘Newal’ 2x ‘Husky’. It was licensed for sale in Canada in February, 1966.

The initial cross (Glacier × Newal) was made at Swift Current in 1944. A line from this cross with high resistance to lodging and shattering was crossed with Husky at Lethbridge in 1954. Early-generation selection was done on irrigated land at Lethbridge. Superior lines were assessed on irrigated land at both Swift Current and Lethbridge in the years 1959 to 1961. A line designated 5668-11 (later Galt) was submitted on the basis of these results for evaluation in national co-operative tests.

Galt is a six-rowed, semi-smooth-awned, spring barley of medium maturity. The straw is mid-tall and highly resistant to lodging. Galt is more resistant to shattering than varieties of the Manchurian type, but not equal to those of the Coast type. It is superior to Coast-type varieties in seed type and ease of threshing. It is resistant to stem rust, moderately resistant to covered smut and false loose smut, and susceptible to loose smut and scald.

In Canada, Galt appears to be suitable for production over most of Alberta and Saskatchewan. Galt should be adapted to both dry and irrigated land since it consistently has been among the highest yielding varieties in tests at low, intermediate, or high yield levels. Galt is not suitable for malting purposes and has been classed as a feed variety.

Breeder seed will be maintained at the Canada Department of Agriculture Research Station at Lethbridge, Alberta. A more detailed description of Galt has been published by Wells and McBean.

REGISTRATION OF FLORAD OATS
(Reg. No. 204)


‘FLORAD’ oats (Avena sativa L.), C.I. 805, originated from the cross ‘Florad’ 5x ‘Fulgrain’ 2x ‘Victrigrain’ 3x ‘Fulghum’ 3x ‘Suregrain’ made at Beltsville, Md. and Pathologist, North Carolina Agricultural Experiment Station, Raleigh, N.C.

The origin, history, description, and performance of Florad have been published.

REGISTRATION OF FLORIDA 500 OATS
(Reg. No. 205)


‘FLORIDA 500’ oats (Avena sativa L.), C.I. 805, originated from the cross ‘Florad’ 5x ‘Fulgrain’ 2x ‘Victrigrain’ 3x ‘Fulghum’ 3x ‘Suregrain’ made at Beltsville, Md. and Pathologist, North Carolina Agricultural Experiment Station, Raleigh, N.C.

The origin, history, description, and performance of Florad have been published.

REGISTRATION OF ROANOKE OATS
(Reg. No. 206)

T. M. Starling, F. A. Coffman, and T. D. Jackson

‘ROANOKE’ oats (Avena sativa L.), C.I. 7413, Beltsville, was derived from the cross ‘Arlington’ x ‘Cleo’ made at the Idaho Agricultural Experiment Station in 1954 for W. H. Chapman. The selection was made at the Idaho Agricultural Experiment Station in 1960.

Florad is a tall, early, stiff-strawed oat variety that tillers very little and makes an upright growth of medium-large leaves. Grain color is reddish-yellow to red; lower kernels have twisted awns; and some off-type kernels with basal hairs are present. Florad is resistant to Victoria blight, culm rot, and all prevalent races of crown rust including race 264. Florad is susceptible to loose smut and soil-borne mosaic virus.

The origin, history, description, and performance of Florida 500 have been published.

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