REGISTRATION OF CROP CULTIVARS

REGISTRATION OF DUNDY BARLEY

'DUNDY' BARLEY (Hordeum vulgare L.) (Reg. no. 185), PI 466738, was developed by the Nebraska Agricultural Experiment Station and released in 1982. It is a six-rowed, awned, winter feed barley. Dundy is a F₂-derived line selected from the cross 'Sabbaton'/'Meimi'/'Decatur'/'Paoli' made at the Nebraska Agricultural Experiment Station in 1971. It was tested in the Uniform Barley Winter-hardiness Nursery and the Uniform Winter Barley Nursery of Hardy Varieties as NE76129.

In Nebraska tests from 1977 through 1982, Dundy has been similar to 'Nebar' in winterhardiness but slightly less hardy than 'Kearney'. However, it survives better during cold, wet winters than Kearney. During this same period, Dundy was more productive than Nebar. Dundy is similar to Kearney in maturity and 1 to 3 days earlier than Nebar. It is 10 to 15 cm shorter in height than Kearney and Nebar and similar to Nebar and much superior to Kearney in lodging resistance. Tests for disease and insect reaction are limited, but they indicate that Dundy is susceptible to scald, caused by Rynchosporium secalis (Oud.) J.J. Davis, and greenbug (Schizaphis graminum Rondani).

The hull of Dundy is adhering and only slightly wrinkled. Awns are long and moderately rough. The spike is erect and lax to dense. The basal internode is short and straight with a closed to slightly open collar. The neck is straight but will get brittle if the crop is not harvested soon after the grain has ripened. The basal mark is a depression. Glumes are short haired with long, slightly barbed awns. Rachilla hairs are long but rachis hairs are short. Aleurone color is white to pale blue.

Dundy was named and released by the Nebraska Agricultural Experiment Station in 1982. Seed classes recognized are breeder, foundation, registered, and certified. Breeder seed will be maintained by the Nebraska Agricultural Experiment Station.

J. W. SCHMIDT, A. F. DREIER, AND S. M. DOFING (1)

References and Notes

1. George Holmes professor, professor, and graduate research assistant, respectively, Dep. of Agronomy, Univ. of Nebraska-Lincoln, Lincoln, NE 68583. Published as Paper no. 7117, Journal Series, Nebraska Agric. Exp. Stn. Registration by Crop Sci. Soc. of Am. Accepted 6 June 1983.

REGISTRATION OF ABBEE BARLEY

'ABBEE' BARLEY (Hordeum vulgare L.) (Reg. no. 186), PI 473574, was developed by Alberta Agricultural Crop Research, Lacombe, Alberta, Canada. 'Abee' was selected from a short strawed European line of unknown parentage reared through the SeCan Assoc., 885 Meadontawa, Ontario, Canada. K2C 3N2.

Abee was released by Alberta Agriculture Crop Research in 1982. Breeder seed will be maintained by Alberta Agricultural Crop Research, Lacombe, Alberta, Canada. K2C 3N2.


References and Notes

1. Head of research and plant breeder, plant breeder, and computer technologist, breeding technologist, computer technologists, respectively. Alberta Agriculture Crop Research Program, Bag Service #47, Lacombe, Alberta, Canada. Registration by Crop Sci. Soc. of Am. Accepted 6 June 1983.

REGISTRATION OF EMPRESS BARLEY

'EMPERESS' BARLEY (Hordeum vulgare L.) (Reg. no. 187), PI 473575, was developed by Alberta Agriculture Crop Research, Lacombe, Alberta, Canada. 'Empress' was selected from a short strawed European line of unknown parentage reared through the SeCan Assoc., 885 Meadontawa, Ontario, Canada. K2C 3N2.

Empress was released by Alberta Agriculture Crop Research in 1982. Breeder seed will be maintained by Alberta Agriculture Crop Research, Lacombe, Alberta, Canada. K2C 3N2.