REGISTRATION OF ZORA BARLEY
(Reg. No. 100)

Rex L. Smith and J. P. Jones

‘ZORA’ barley (Hordeum vulgare L. emend. Lam.), CI 11903, was developed by the Arkansas Agricultural Experiment Station. The variety originated from the cross ('Kenbar' × 'Rogers') (Kenbar × CI 6311) made in 1956. Foundation seed was released by the Arkansas Agricultural Experiment Station in 1965.

Zora is a six-rowed, semirough awned, winter barley; early growth is intermediate to semi-prostrate; the plant is mid-tall, matures mid-season, and is yellow at maturity. The leaves are long, narrow, and drooping; collars are closed but occasionally may be open; auricles are white or rarely purple streaked; the upper leaf sheath is waxy; flag leaves are short. The spikes are dense, midlong, slightly waxy, slightly nodding, and sometimes are not fully exerted from the boot. The kernels have a white or light blue aleurone, are short to midlong, and often overlap in the middle of the spike; hulls are semi-wrinkled and the glumes bear long yellow awns. The basal rachis internode is straight but sometimes curved, 1 to 3 mm long. The glumes are 1/2 to 3/4 the length of the lemma, are covered with short pubescence and have glume awns equal in length to the glumes. The rachilla is short haired.

Zora was released to replace Rogers because of its superior performance. Zora is 5 to 6 days earlier, has greater lodging resistance and greater yield potential than Rogers. In 3 years of testing from 1960 to 1962 at Stuttgart, Arkansas, Zora yielded an average of 3,873 kg per hectare (79 bu/a) to 2,798 kg (55 bu/a) for Rogers. In the Uniform Semihardy Barley Nursery (20 locations in southern states) during 1962-64 Zora yielded an average of 3,002 kg per hectare (55.4 bu/a) for Rogers. Zora is similar to Rogers in disease reaction with the exception that it is susceptible to scald whereas Rogers is resistant. Breeder seed of Zora will be maintained by the Arkansas Agricultural Experiment Station.

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REGISTRATION OF PAWNEE BIG BLUESTEM
(Reg. No. 1)

L. C. Newell

‘PAWNEE’ big bluestem (Andropogon gerardi Vitman) was