BARLEY VARIETIES REGISTERED, III

H. K. Hayes

SPARTAN, REG. NO. 6

The original cross of Spartan barley was made and the early generations of breeding were conducted under the direction of the late F. A. Spragg at the Michigan Agricultural Experiment Station. It was tested and introduced by E. E. Down, H. M. Brown, and F. H. Clark, and Mr. Down applied for its registration. Spartan resulted from a cross of Michigan Black Barbless, a pedigreed line obtained from Lion, with Michigan Two-Row. The cross was made in 1916 and the last selection made in 1920.

The variety is two-rowed, classified as *Hordeum distichon palmella rigens*, and has the desirable characters of smooth, deciduous awn, stiff straw, and early maturity. It has been compared at East Lansing with Wisconsin Pedigree No. 9, the variety grown most commonly in Michigan, for 4 years, 1925 to 1928, inclusive.

Considering the yield of Spartan as 100, the yield of Wisconsin Pedigree No. 9 during the four years of the test has been 91.5, 91.9, 92.6, and 116.2, respectively. In 1929, in over-state trials, it was considerably superior to Wisconsin Pedigree No. 9 in yield. Its registration is justified on the basis of its smooth, deciduous awn, and its yielding ability.

1Registered under a cooperative agreement between the Bureau of Plant Industry, U. S. Dept. of Agriculture, and the American Society of Agronomy. Received for publication November 24, 1930.

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