REGISTRATION OF VARIETIES AND STRAINS OF OATS, XIV

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The thirteenth consecutive report on the registration of improved oat varieties was published in May 1944. During the past year, only one variety, described below, was submitted and approved for registration.

Group and Varietal Name | Reg. No.
Midseason white:       | 104
Mission               |     

Mission (C. I. 2588) originated from a cross between Markton and Victory made at the Aberdeen Substation, Aberdeen, Idaho, by G. A. Wiebe in 1923. From this same cross, the previously registered Bannock, Huron, and Bridger varieties were derived.

Some of the most vigorous selections from this cross that had been resistant to smut in tests at Aberdeen were sent to the Montana Agricultural Experiment Station at Bozeman and its branches at Havre and Moccasin, Montana, in 1929, where several of the most promising selections have been tested up to and including 1944. Among these selections is C. I. 2588, which proved to be superior in yield, quality, stiffness of straw, and resistance to smut. It was primarily through the continued good performance at the North Montana Branch Station at Havre that Mission was selected as an improved variety for dry land production. It was named Mission in 1944, and is being increased in Montana for distribution to farmers for growing principally on dry land. Mission is a product of cooperative research between the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, and the Idaho and Montana agricultural experiment stations. Many workers had a part in its development.

The application for the registration of Mission was submitted by S. C. Litzenberger and Royse P. Murphy, Montana Agricultural Experiment Station, Bozeman, Mont., who furnished brief descriptive notes on the variety in addition to data on yield and quality.

Mission is a medium tall, early to midseason oat of the sativa type, with spreading panicles, a relatively stiff straw, and plump white