REGISTRATION OF IMPROVED WHEAT VARIETIES, IX

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EIGHT previous reports present the registration of 48 improved varieties of wheat. In 1934, five varieties were registered, and the previous registration was referred to as in former years.

Improved varieties approved for registration in 1935 are as follows:

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<td>Hymar</td>
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HYMAR, REG. NO. 314

Hymar (Wash. 2876, C. I. No. 11605) was developed in cooperative experiments of the Washington Agricultural Experiment Station at Pullman, Wash., and the Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Dept. of Agriculture. It is the result of a cross between Hybrid 128 and Martin made by E. F. Gaines in 1923. It is a winter-habit, soft white-kerned club wheat, very similar to Albit in appearance. It is a high-yielding variety and, according to Gaines, is expected to replace Albit in the Palouse section of Washington. About 1,000 bushels of seed were distributed for commercial growing in the fall of 1935. The advantages of Hymar over Albit are that it shatters less and has a heavier test weight per bushel and a higher average yield. It is similar to Albit in smut resistance. The comparative yield data upon which registration is based are shown in Table 1.

COMET, REG. NO. 315

Comet (N. No. 649, C. I. No. 11465) was developed in cooperative experiments of the Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Dept. of Agriculture, and the Montana Agricultural Experiment Station from a cross between Marquis and Hard Federation made in 1921. The cross and selection numbers of Comet were 21202B-1-24-50-5. Large numbers of F2 plants were grown at Bozeman and Moccasin, Mont., in 1923 and extensive F3 populations at Bozeman, Moccasin, and Havre in 1924. The results of the F2 and F3 studies were published. The B-1-24 F2 plant was the highest in crude protein content of 567 in that generation grown at Bozeman.

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 December 9, 1935.
2Senior Agronomist, Wheat Investigations, Bureau of Plant Industry, U. S. Dept. of Agriculture. Member of the 1935 Committee on Varietal Standardization and Registration of the Society charged with the registration of wheat varieties.