REGISTRATION OF IMPROVED WHEAT VARIETIES, V

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Four earlier reports present the registration of 264 varieties of wheat. The first, in 1926, was the registration of 229 standard varieties. Since then, 35 improved varieties have been registered on the basis of performance. Certificates of registration have been issued for the improved varieties. In 1929, three varieties were registered and the previous articles cited.

Varieties approved for registration this year are as follows:

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<th>Varietal name</th>
<th>Registration No.</th>
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<td>Ioturk</td>
<td>266</td>
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<td>Iowin</td>
<td>267</td>
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The origin and performance of these varieties are given below.

IOTURK, REG. NO. 266

Ioturk (Iowa No. 1154), a selection from Turkey wheat, was produced by the Farm Crops Section of the Iowa Agricultural Experiment Station. The variety has been under experiment for 12 to 15 years at Ames and was distributed for commercial distribution about 1926. It has since replaced much of the other Turkey wheat in the state. Comparative yield data are shown in Table I.

IOWIN, REG. NO. 267

Iowin (Iowa No. 2025, C. I. No. 10017) was produced as a pure-line selection from Theiss wheat by the Farm Crops Section of the Iowa Agricultural Experiment Station. The variety has been included in plat experiments at Ames for 5 years, and 250 acres were grown to furnish seed for its first commercial distribution in the fall of 1930. Iowin is bearded and has white glabrous glumes, the stems are tall and fairly strong and the spikes somewhat open, and the kernels short, red, and semi-hard to hard. The advantages of Iowin are rust resistance and high yield. The yields from plat experiments, furnished by L. C. Burnett, the breeder and applicant, are given in Table I.

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.

2Senior Agronomist in Charge of Western Wheat Investigations, Office of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Dept. of Agriculture; member of the 1929-30 Varietal Standardization and Registration Committee of the American Society of Agronomy charged with the registration of wheat varieties.