REGISTRATION OF IMPROVED WHEAT VARIETIES, VI

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Five previous reports present the registration of 267 wheat varieties. In 1929, three varieties were registered and the previous articles cited. Last year two varieties were registered.

Varieties approved for registration this year are as follows:

<table>
<thead>
<tr>
<th>Varietal name</th>
<th>Registration No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasta</td>
<td>268</td>
</tr>
<tr>
<td>Cheyenne</td>
<td>269</td>
</tr>
<tr>
<td>Komar</td>
<td>270</td>
</tr>
</tbody>
</table>

The origin and performance of these varieties are given as follows:

GASTA, REG. NO. 268

Gasta (Ga. No. P 303, C. I. No. 11398) was produced as a pure-line selection from Purplestraw at the Georgia Agricultural Experiment Station, Experiment, Georgia. The selection was made in 1921 and the new variety has been in nursery experiments (six series, three rod rows, center row cut for yield) since 1924. It is similar to Purplestraw except for having a higher yield and resistant in field tests to strains of loose smut present at Experiment, Ga. About 100 bushels of this wheat were distributed to farmers in the state this fall and it is being further increased for a larger distribution next year. The yields from the experiments, furnished by R. P. Bledsoe, the breeder and applicant, are given in Table 1.

CHEYENNE, REG. NO. 269

Cheyenne (Nebraska No. 50, C. I. No. 8885) was produced as a pure-line selection from Crimean (C. I. No. 1435) at the Nebraska Agricultural Experiment Station, Lincoln, Nebr. The selection was made in 1922 and the new variety included in plat experiments for 4 years at Lincoln, Nebr. Cheyenne differs from Crimean or Turkey

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 2, 1931.

2Senior Agronomist, Wheat Investigations, Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture; member of the 1931 Committee on Varietal Standardization and Registration of the American Society of Agronomy charged with the registration of wheat varieties.
