Table 1. Yields and test weights for Erie, Alpha, and Wisconsin 38 from 75 New York tests in 1940-1951.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Grain yield, bushels per acre</th>
<th>Grain test weight, lb. per bushel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erie</td>
<td>40.1</td>
<td>60.0</td>
</tr>
<tr>
<td>Alpha</td>
<td>36.2</td>
<td>49.2</td>
</tr>
<tr>
<td>Wisconsin 38</td>
<td>35.4</td>
<td>44.7</td>
</tr>
</tbody>
</table>

Erie was chosen for superior yield, test weight, powdery mildew, and loose smut resistance. It replaced the old Alpha variety in New York and surrounding areas. Comparative yield and test weight data for Erie, Alpha, and 'Wisconsin 38' are shown in Table 1. Additional information on Erie was reported by Wiebe and Reid.

REGISTRATION OF HUDSON BARLEY
(Reg. No. 54)

N. F. Jensen

'Hudson' (Hordeum vulgare L., emend. Lam.), CI 8067, was developed by the Cornell University Agricultural Experiment Station. It is from the cross of 'Michigan Winter' × 'Wong' made at Ithaca in 1941 by H. H. Love and W. T. Craig. Sel. 563a13-11-1 was chosen about 1949 and named and released as Hudson in 1951 by N. F. Jensen. The first Foundation Field of 3 acres was grown on the Harwood Martin farm, Honeoye Falls, New York in 1952 and commercial sales to farmers began in the fall of 1953.

Hudson is a medium early, hardy, high yielding, heavy test weight winter barley. Its plant type is short and vigorous, producing short compact heads on strong straw. The head is 6-rowed with rough awns. Kernels are blue, indicating a feed type barley in the U.S. Hudson is scald and mildew resistant but moderately susceptible to loose smut. A nodding head and tough awns may give trouble in combine harvesting at too high a grain moisture content or when the machine is improperly adjusted to this crop.

Although not as generally popular as Wong, Hudson with its greater hardiness has found a place in the northern areas of winter barley culture. Average yields of 54.6 bushels per acre for Hudson and 41.7 bushels for Wong were obtained in 67 tests in 1947-53. Average test weights in 28 tests in 1952-53 were 49.4 pounds per bushel for Hudson and 46.0 pounds for Wong. Additional information about Hudson was reported by Jensen and by Wiebe and Reid.

REGISTRATION OF WONG BARLEY
(Reg. No. 52)

A. R. Brown

'Ga-Jet' (Hordeum vulgare L., emend. Lam.), selected at the College Experiment Station by A. R. Brown from [(Hordeum 16 × 'Wong-Jet'). The cross was made by John H. Brown. Ga-Jet is a short, stiff strawed, early maturing winter variety. The heads are of a medium length and very compact, kernels overlapping one-half of the glumes. The rachis edges are smooth. The rachis is very short but the length of the glumes. The glumes and rachilla are hairy. The glume awns are half length awns on the two dominant rows of kernels.

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Additional information about Hudson was reported by Wiebe and Reid.

REGISTRATION OF GAI-JET BARLEY
(Reg. No. 52)

A. R. Brown

Ga-Jet is a short, stiff strawed, awnless winter variety. The heads are of medium length and very compact, kernels overlapping one-half of the glumes. The rachis edges are smooth. The rachis is very short but the length of the glumes. The glumes and rachilla are hairy. The glume awns are half length awns on the two dominant rows of kernels. The rachis edges are smooth. The rachis is very short but the length of the glumes. The glumes and rachilla are hairy. The glume awns are half length awns on the two dominant rows of kernels.

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