REGISTRATION OF ITANA WHEAT

E. R. Henn and H. K. Klages

'TITAN' (Triticum aestivum L. em. Thell.), C.I. 12933, was developed from a cross of Blackhull-Rex X Cheyenne. The cross was made at the Sherman Branch Experiment Station, Moro, Oregon, in 1942. Itana was released by the Montana Agricultural Experiment Station in 1956 and by the Idaho Agricultural Experiment Station in 1957.

Itana is resistant to the races of bunt and dwarf bunt that were prevalent in the Pacific Northwest at the time of release. It is susceptible to race D-3 of dwarf bunt. It is susceptible to stem rust, leaf rust and stripe rust. Itana is susceptible to race D-3 of dwarf bunt. It is resistant to stem rust, leaf rust and stripe rust. Itana is susceptible to race D-3 of dwarf bunt.

Morphological characteristics of Itana have been described as follows: plant winter habit, early to midseason, mid-tall; stem white, midstrong; spike awned, oblong to fusiform, middense, inclined; glumes glabrous, brown, midlong, narrow to midwide; shoulders midwide, square to rounded; beaks midwide, acuminate, 3 to 8 mm long; awn white, (light brown), 2 to 7 cm long; kernels red, short, hard, ovate; germ midsized; crease midwide, shallow; cheeks rounded; brush midsized, mid-long.

Pure seed is maintained by the Montana Agricultural Experiment Station and the Montana Seed Growers Association.

REGISTRATION OF REGO WHEAT

E. R. Henn and C. R. Haun

'Rego' (Triticum aestivum L. em. Thell.) C.I. 15181, is a semi-solid- to solid-stemmed, hard red winter wheat with resistance to the wheat-stem sawfly (Cephus cinctus Nort.) and with moderate resistance to stripe rust (Puccinia striiformis West.). It is resistant to some races of bunt, and has some resistance to loose smut. It was developed cooperatively by the Montana Agricultural Experimental Station, the Crops and Entomology Research Divisions, Agricultural Research Service, U. S. Department of Agriculture.

Rego was selected from the cross 'Yogi' X 'Rescue' made at the Montana State Agricultural Station in 1946. The F2 populations were selected for sawfly resistance and winter hardiness. Re-selection within these lines followed, and Montana 56-28 (later named Rego) was a composite of four F2 lines. Rego was released by the Montana Agricultural Experiment Station in 1957.

Rego is mid-season, tall; stems white, weak; spikes awnleted, fusiform, lax, inclined to nodding; glumes glabrous, white, midlong, midwide; shoulders narrow, oblique to rounded; beaks midwide, acute to obtuse, 0.5 mm long; awnlets white, 2 to 15 mm long; kernels red, midlong, hard, ovate; germ midsized to small; crease midwide, mid-deep; cheeks rounded; brush midsized, mid-long. Rego has red hard wheat quality characteristics similar to 'Turkey' and superior to 'Karizona'. It is moderately winter-hardy, and particularly adapted to North Central Montana. Breeder seed is maintained by the Montana Agricultural Experiment Station.

Pure seed is maintained by the Montana Agricultural Experiment Station and the Montana Seed Growers Association.

REGISTRATION OF FULTON WHEAT

C. A. Lamb, Howard N. Lafever, and Lewis C. Saboe

'Fulton' wheat (Triticum aestivum L. em. Thell.) C I No. 13358, is a soft red winter wheat selected from a bulk hybrid in the F2 generation from the cross 'Butler' X 'Thorne'. It was developed at the Ohio Agricultural Research and Development Center and named and released in 1964.

Fulton is a midtall, midseason-maturity variety with strong purple stems. Auricles are white with hairs sparse. It is awnless except extreme apical awns 10-15 mm. Spike is fusiform, middense, erect to inclined. Glumes are glabrous, white, midlong, mid wide with shoulder midwide, square to elevated; beak midwide, obtuse, 1-2 mm range. Kernel is red, midlong, chalky and elliptical. Germ is large.

Fulton is adapted to Ohio and immediately: vicinity. The variety withstands the heaving type of winter in very well. It has been higher in yield over a 9-year period, with 72 tests, than other commercial varieties in Ohio (Table 1).

<table>
<thead>
<tr>
<th>Year</th>
<th>Yield, lb/A</th>
<th>Test weight, lb/bu</th>
</tr>
</thead>
<tbody>
<tr>
<td>1964</td>
<td>226.9</td>
<td>58.7</td>
</tr>
<tr>
<td>1965</td>
<td>225.8</td>
<td>58.0</td>
</tr>
<tr>
<td>1966</td>
<td>247.2</td>
<td>59.7</td>
</tr>
</tbody>
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Table 1. Yield and test weight of 3 wheat varieties at 13 locations covering a period of 9 years in Ohio.

Milling and baking qualities are excellent. Fulton shows immunity to loose smut races presently in Ohio. It is similar in maturity and height to Seneca.

Registered by the Crop Science Society of America. Received March 26, 1966.