Registration of Sawmont Wheat
(Reg. No. 454)
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'SAWMONT' (Triticum aestivum L. em. Thell.), C.I. 15544, is a semi-solid- to solid-stemmed, hard red winter wheat with resistance to the wheat-stem sawfly (Cephus cinctus Nort.) and moderate resistance to stripe rust (Puccinia striiformis). It was developed cooperatively by the Montana Agricultural Experiment Station and the Crops and Entomology Research Divisions, Agricultural Research Service, U.S. Department of Agriculture.

E. R. Hehn made the cross, 'Yogo' × 'Rescue' in 1948. In 1954 he crossed a solid-stemmed selection of Yogo × Rescue to 'Marvin.' Selection from lines of (Yogo × Rescue) × Marvin was made for sawfly resistance, agronomic, and quality characteristics. (Yogo × Rescue) × Marvin — 1065 (later named Sawmont) has higher test weight and is slightly more winterhardy than 'Rego.' It equals Rego (the winter wheat now recommended for sawfly resistance) in resistance to sawfly-cutting and in quality characteristics. Sawmont was authorized for release in 1965.

Sawmont has been described as: "spike awned, fusiform, lax inclined; glumes glabrous, white, midlong, midwide, keel prominent from base to beak; shoulders narrow, oblique; beaks midwide, acute, 0.1 mm long; awns white, 2-8 cm long; kernels red, midlong, hard ovate; germ small; crease midwide, shallow; cheeks rounded; brush midized, short. Distinguishing features are: 1) The prominent keel on the glume; 2) acute beak; 3) small germ."

Sawmont is adapted to dryland areas where sawflies are a problem, particularly the western part of the Triangle area in north-central Montana.

Breeder Sawmont seed will be maintained at the Montana Agricultural Experiment Station.

Statement on Standard Deviations

"The errors reported with means in our papers in Crop Science 5:163-166, 5:172-175, and 5:517-521, 1965, are standard deviations or s = \sqrt{\frac{\sum(x-x)^2}{n-1}}. We refer to these errors as standard errors or s.e."

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