REGISTRATION OF VARIETIES AND STRAINS OF OATS, XI

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THE ninth consecutive report (3) on the registration of improved varieties of oats was published in January 1940. During 1940, six varieties, listed and described below, were approved for registration:

Group and varietal name  Registration No.
Early red:
  Fultex .......................... 92
Early yellow:
  Vicland .......................... 93
Midseason red:
  Ranger .......................... 94
  Rustler .......................... 95
Midseason yellowish-white to white:
  Huron .......................... 96
  Uton .......................... 97

FULTEX, REG. NO. 92

Fultex (C. I. 3531) was selected from a cross (No. X3020) between Fulghum (C.I. 708) and Victoria made at Arlington, Va., in 1930 by F. A. Coffman. Bulk seed for the F₃ generation was sent to Texas Substation No. 6, Denton, Tex., in 1932. Fultex (Tex. No. 12-34-33) was selected in 1933 by I. M. Atkins. It was subsequently tested and increased by I. M. Atkins and P. B. Dunkle, and distributed to farmers of north central Texas in 1940. Fultex was bred cooperatively by the Texas Agricultural Experiment Station and the Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Dept. of Agriculture.

Fultex is classified as an early to midseason short, stiff-strawed variety belonging to the red oat group (Avena byzantina C. Koch). However, in some characters, it is more or less intermediate between red and common oats (A. sativa L.).

In a statement by I. M. Atkins, submitted with the application for registration, Fultex is described as having shorter and stronger straw than Fulghum and as being outstanding among all commercial red oat varieties in its ability to stand long after maturity for combine harvesting. It is about 5 days later than Fulghum and 4 days earlier than Red Rustproof at Denton. It is resistant to smut and crown rust. The grain is very high in test weight, being short and plump with a short black (on the lower portion) awn, which threshes off easily.

1Registered under cooperative agreement between the Bureau of Plant Industry, U. S. Dept. of Agriculture, and the American Society of Agronomy. Received for publication, December 19, 1940.

2Senior Agronomist, Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Dept. of Agriculture, member of the 1940 Committee on Varietal Standardization and Registration, charged with the registration of oat varieties.

3Reference by number is to "Literature Cited", p. 251.

4C. I. refers to accession number of the Division of Cereal Crops and Diseases, formerly Office of Cereal Investigations.