REGISTRATION OF FULCASTER 612 WHEAT
(Reg. No. 410)
Edward L. Smith

FULCASTER 612, CI 13715, (Tenn. 612) is a soft red winter wheat developed by the Tennessee Agricultural Experiment Station. It was distributed in 1940.

According to C. D. Sherbakoff, who developed the variety, Fulcaster 612 resulted from a pure line selection from a field of bearded wheat (presumably Fulcaster, CI 4862) that had been grown for a number of years on a farm in Dyer County, Tenn. The selection was made in 1929.

For a number of years Fulcaster 612 was grown extensively in Tennessee and to some extent in surrounding states. At the present time this variety is being grown to a limited extent in Tennessee.

Fulcaster 612 is midseason in maturity, tall in height; the stems are purple and midweak; the spike is awned, fusiform, and lax; the glumes are white; and the kernels are soft and red. Fulcaster 612 differs from Fulcaster only in its greater uniformity in appearance and in its consistently higher yielding capacity.

Table 1—Yield, test weight, disease response, an d insect response of Kaw and other commercial varieties of wheat in Kansas, 1955-1962.

Table 1—Yield, test weight, and disease response of Ottawa and other varieties of wheat in Kansas, 1955-1962.

REGISTRATION OF OTTAWA WHEAT
(Reg. No. 412)
E. G. Heyne, E. T. Jones, and C. D. Sherbakoff

OTTAWA, CI 12804, is a hard red winter wheat from the cross (Mediterranean-Hope X Pawnee 1 (W38 X Comanche) made in 1943. 49454, was made in 1948 in the F6 generation for reaction to race 56 of stem rust. Resistant progenies were bulked in 1957 and became Ottawa. It was distributed to Kansas farmers in the fall of 1960. In 1962 it was grown commercially in Kansas.

Ottawa has a winter habit of growth, is medium short. Its parts have the following characteristics: stem—awned, fusiform, middense, inclined; glumes—glabrous, white, midlong, narrow to midwide; shoulders—midweak, oblique to rounded; beaks—midweak, acuminate, 2 to 4 mm. long; awns—white, 2 to 6 cm. long; kernels—red, midlong, hard, ovate; germ—midlong; crease—midhigh, rounded; brush—midweak, long.

Ottawa is resistant to race 56 of stem rust, resists, in the adult stage, the races of leaf and stem rust. These mixtures have contributed about 0.3% of the population.

Kaw is high in test weight and is a good quality hard wheat. Some difficulty has been experienced in maintaining pure seed. The original material released was heterogeneous for resistance to race 56 of stem rust. Some difficulty has occurred in maintaining pure seed. The original material released was heterogeneous for resistance to race 56 of stem rust.

Table 1—Yield, test weight, and disease response of Ottawa and other varieties of wheat in Kansas, 1955-1962.