REGISTRATION OF PARENT LINE

of MAIZE

T169 (Reg. no. PL-136, PI 534659) is an inbred line of white dent maize (Zea mays L.) developed at the Tennessee Agricultural Experiment Station, University of Tennessee, Knoxville. This line resulted from a breeding project to convert yellow dent lines to white dent grain. Following evaluation as an inbred line and as a parent in hybrid yield trials, T169 was released in February 1989 because of its potential in producing white dent hybrids adapted to the Southern U.S. Germlasm quantities (50 seeds) of T169 may be obtained from the Department of Plant and Soil Science, University of Tennessee, Knoxville, TN 37901-1071.

T169 was developed from (T226 × Mol8W)F2 × T226. Both parental lines have WF9 in their pedigree. Ear-to-row selection and self-fertilization were used to advance T169 to the F3 generation. This line, a wire-leafed, 50% white dent, was released in February 1989. The line is late maturing and has excellent plant growth vigor. It has a head angle of 180°, compared with 135° for the check. The line is susceptible to the maize dwarf mosaic virus-strain 2.

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