

1. N. J. 143y - A potent sweet corn fertility restorer.

The apparent scarcity of good fertility restorers in established sweet corn inbreds as well as in most sweet corn lines and varieties make the finding of such a strain of general interest. Seed of N. J. 143y-830-2, a remarkable combiner, was received in 1954 from Dr. Robert Snell of the New Jersey Agricultural Experiment Station. This inbred demonstrated its ability to restore fertility completely to sterile C13 of the T type, at this station in 1955. Dr. Snell says, "N. J. 143y was started in 1933 by Dr. Howard B. Sprague in a cross of Golden Giant sweet corn as seed parent with a 5th generation inbred of Northwestern Yellow Dent, selected for early maturity and smut and lodging resistance, as pollinator." It is possible then that the restorer factor found in this strain of sweet corn may have been transferred from field corn.

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