

same summer Jerseyqueen was selected, and has been considered very promising each year since. After the winter of 1962-63, buds of most varieties of peaches of New Jersey received some injury; but all the bearing trees of Redqueen came through with a full set of live buds. Redqueen is being introduced as a very hardy, very productive, midseason, freestone variety.

Redqueen is a cross between (Hale x Eclipse) x Blake made in 1951. The fruit is large, well covered with red on bright yellow. The fruit is of good quality, and has as much firmness and shelf life as Elberta. When it is well grown, the fruit resembles Blake, but when a tree is overloaded, the fruit will naturally be small, and sometimes slightly dark. It has showy flowers and reniform leaf glands.

Trees are available from the New Jersey Peach Council, R. D. 3, Princeton, New Jersey 08540.

Literature Cited

- Hough, L. F. and Catherine H. Bailey. 1962. Ten nectarines for eastern North America. *Fr. Vars. & Hort. Dig.* 17:9-12.
New Jersey Crop Reporting Service. 1963. New Jersey apple and peach tree survey—1963. *Circ.* 427. 36p.

Reliance, a New, Hardy, Freestone Peach

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On July 15, 1964, the New Hampshire Agricultural Experiment Station introduced a hardy, yellow, freestone peach named Reliance (NH 59E). As a seedling with promising fruit characteristics, it was first tagged for further observation in August, 1959.

A cross had been made at Durham between a selection of a hardy, white-fleshed peach from Minnesota (Minn. PH-04559) and Meredith. NH 59-E came from open-pollinated (probably

selfed) seeds of a selected tree from this cross.

In the winter of 1961, the following minimum temperatures were recorded four rods from the five-year old tree of NH 59-E: Jan. 22 = 21.5°; Jan. 23 = -14°; Jan. 24 = -25°; and Feb. 2 = -15° Fahrenheit. The ground was covered with 16 inches of snow when the lowest temperature prevailed. A total crop loss of peaches was anticipated. Yet about one bushel of fruit was harvested from NH 59-E in late August, 1961, although several standard varieties in a nearby orchard were a complete failure. The rather hardy Marquette bore one peck on a large seven year old tree; Cumberland and Polly each had only one or two fruit on 15 year old trees.

Reliance fruit are nearly round, with a slightly prominent suture, are moderately fuzzy, and have a dull red color splashed over a yellow skin. The bright yellow flesh is juicy, medium firm, slightly stringy, has good flavor, and ripens evenly. The flesh has separated freely from the stone even in cool summers. When thinned properly, 2 $\frac{3}{4}$ inch fruits can be matured. It ripens with Golden Jubilee and Oriole, approximately August 22 to 25 at Durham, New Hampshire.

The flowers of Reliance are pink and showy. The leaves have stalked globose glands. The set of fruit buds per foot of length has been relatively high.

Since NH 59-E exceeds older varieties in winter hardiness, it has been released under the name Reliance for further testing in northern areas where peach culture is uncertain because of cold winters. Some trees will be available from commercial nurseries in 1965, and limited amounts of budwood can be obtained by propagators from the New Hampshire Agricultural Experiment Station.—E. M. Meader, *New Hampshire Agr. Exp. Sta., Durham, N. H.*