CULTIVAR AND GERMLASM RELEASES

‘Rizzi’: A Processing Clingstone Peach with Extended Postharvest Storage Potential

T.M. Gradziel, W. Beres, J. Doyle, and C. Weeks
Department of Pomology, University of California, Davis, CA 95616

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One to three glands are present on the petiole 'Rizzi' clingstone peach [Prunus persica (L.) Batsch] is a “Late” season processing peach with extended postharvest storage potential. The tree is vigorous, productive, and hardy under central California conditions. ‘Rizzi’ fruit are of high quality and ripen with ‘Ross’ and ‘Dr. Davis’. ‘Rizzi’ fruit have been stored at 0°C for up to 8 weeks. This prolonged storage stabilizes raw product supply to the processing industry.

Origin

‘Rizzi’ originated at the Univ. of California, Davis, from a 1973 open-pollination of ‘Everts’ (Fig. 1). The seedling was selected by Robert Fenton in 1978 and tested as 19,2-72. Due to its good performance in field and processing evaluations, ‘Rizzi’ was propagated and placed in trials at Davis and Winters, Calif., beginning in 1979. The name ‘Rizzi’ is given in honor of Aldo D. Rizzi, who served for 22 years as extension pomologist at the Univ. of California, Davis.

Description and performance

Trees are vigorous and upright to upright-spreading. ‘Rizzi’ is productive even on upright shoot growth; this characteristic results in improved cropping potential under high-density systems.

‘Rizzi’ fruit flesh is clingstone and nonmelting. Fruit shape is uniform and globose to slightly oblate (Fig. 2). Average suture diameter is 64 mm, which is in the preferred range for canning. The primary ground color is a yellow-orange, with 20% to 60% red blush. The skin is of average thickness with moderate pubescence and is readily lye-peeled. Flesh is a uniform yellow (color chip 10-K-5) (Maerz and Paul, 1930) from skin to stone cavity. The stone is light brown and is medium to smaller-than-average in size (28.3 m long × 22.0 m wide × 17.0 m tall).

Leaf ripen with ‘Ross’ and ‘Dr. Davis’, which are classified in the “Late” California clingstone peach maturity group.

Leaves are moderately large and dark green with moderately undulate, crenate margins. The petiole glands are medium and reniform.

Availability

A limited amount of budwood indexed for Prunus necrotic ringspot virus and prune dwarf virus is available under license agreement with the Univ. of California. ‘Rizzi’ peach license information for propagation may be obtained by writing the Office of Technology Transfer, 1320 Harbor Bay Parkway, Suite 150, Alameda, CA 94501.

Literature Cited


Postharvest performance and cold storage potential of clingstone peach advanced breeding lines. Rpt. California Cling Peach Advisory Board.

Table 1. ‘Rizzi’ clingstone peach performance compared to that of ‘Dr. Davis’ and ‘Ross’ (1980-91).

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Ross</th>
<th>Dr. Davis</th>
<th>Rizzi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvest firmness (N)</td>
<td>31.1</td>
<td>27.0</td>
<td>36.0</td>
</tr>
<tr>
<td>Diameter (mm)</td>
<td>67</td>
<td>68</td>
<td>64</td>
</tr>
<tr>
<td>Case yield per ton</td>
<td>59.4</td>
<td>60.0</td>
<td>60.2</td>
</tr>
<tr>
<td>Storage potential (weeks)</td>
<td>5-6</td>
<td>5-6</td>
<td>7-8</td>
</tr>
<tr>
<td>Days anthesis to harvest</td>
<td>150</td>
<td>153</td>
<td>157</td>
</tr>
</tbody>
</table>

Available rating = 36.0 (least desirable) to 5 (most desirable). *One case contains 24 no. 2.1/2 cans.

Fig. 1. ‘Rizzi’ peach pedigree.