Growth of Exocortis-Infected Citrus on Dabeh Rootstock

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Dabeh is a local citrus clone grown in the Khuzestan plain for its large citron-like fruits. Although the foliage and fruits indicate citron parentage they differ in character from Etrog and other true citrons. Seedlings are very vigorous and uniform indicating asexual seeds. Because of this vigor it has occasionally been used for rootstock. Virus-free clones of various kinds of citrus grown on Dabeh are also vigorous. Its extreme susceptibility to phytophthora gummosis, however, has reduced its usefulness.

Redblush grapefruit and local Dezful orange budded onto Dabeh produced small compact trees less than one meter

DISCUSSION

The purpose of this report is to indicate Dabeh as a possible new indicator host for the study of exocortis virus strains such as reported by Kapur *et al.*, (1974), Rodriguez *et al.*, (1974), and Calavan and Weathers (1961). Because of its strong reaction to one strain of exocortis virus it may be useful for the study of others, particularly mild strains. It may high after two years in the orchards. These were in contrast to trees of the same age grown from the same bud sources on Cleopatra mandarin which were over two meters high. The dwarfed trees had dense dark green foliage and appeared healthy, other than being dwarfed. They set many fruits both the first and second year in the orchard and developed typical exocortis bark shelling lesions below the bud union (Calavan and Weathers, 1961). Sprouts of the Dabeh rootstock showed no leaf distortion similar to that of exocortis on Etrog citron (Garnsey and Cohen, 1965; Kapur et al., 1974).

also be useful for the production of dwarfed trees as suggested by Cohen (1968, 1969, 1974). Small trees are reported to have borne heavy crops even at two years of age. To be useful, exocortisfree orchard trees on Dabeh would have to be grown until they reached the desired size before inoculation with exocortis virus.

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