

## **Investigation and selection of the best mandarin variety on citrus different rootstocks in Jiroft region**

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In order to determine the most agreeable middle and early mature orange variety different citrus rootstock in Jiroft basin conditions, an experiment was conducted as split plots in four replicates from 1986 on four rootstocks, sour orange, rough lemon, cleopatra mandarin and troyer citrange as main plots and five mandarin varieties, fortune, kinnow, dancy, orlando tangelo and local mandarin as sub plots. In this research trees were compared in vegetative and mature phases. *In vegetative phase the first five years factors such as tree height, trunk diameter in 30 cm above the graft location, tree width and canopy were measured.* The results show that sour orange, rough lemon, troyer citrange and cleopatra mandarin were more suitable respectively, and on second five years maturity factors such as fruit weight, fruit length and diameter, total soluble solids (TSS), total acidity (TA), TSS/TA, vitamin C, seed number and yield were measured. The one year results (98) shows that varieties are different in all factors but fruit diameter and yield. rootstocks are different in TSS and vitamin C.