

Investigation and selection of the best orange variety on different citrus rootstocks in Jiroft region

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In order to determine the most compatible middle and early mature orange variety on different citrus rootstocks in Jiroft basin conditions, an experiment was conducted as split plots in four replicates from 1986. Four rootstocks, sour orange, rough lemon, cleopatra mandarin and troyer citrange were as main plots and six orange varieties, mars early, salustiana, hamlin, pine apple, parson brown and local orange as sub plots. In this research, trees were compared in vegetative and mature phases. In vegetative phase, 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 rough lemon, sour orange, troyer citrange and cleopatra mandarin were more suitable respectively, and in the 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) show that varieties are different in all factors but fruit length, and rootstocks are different in, yield, TSS, Ta and fruit weight.