

Investigation on the effects of different citrus rootstocks on the quality and quantity grapefruit variety.

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In order to determine the most adaptability grapefruit variety to different citrus rootstocks in Jiroft basin conditions, an experiment was conducted as split plots in four replicates since 1988, where four rootstocks, sour orange, rough lemon, bakraey and troyer citrange were sub plots and three grapefruit varieties, redblush, raby star and march were as main 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 upper the graft location, tree width and canopy were measured that results show that Sour orange, bakraey, rough lemon and troyer citrange 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 results (98) show that varieties there weren't significant differences in all factors and rootstocks are different only in respect total acidity (TA).