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Research Paper

Growth and decomposition analysis of mango and sapota in South Gujarat

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ABSTRACT : Mango and sapota are the main fruit crops having a major share in socio-economic development of South Gujarat. During last few decade the production of mango and sapota in the state has increased. To know the performance of these crops the present investigation undertaken study the growth and instability in area, production and productivity and the major sources or factors affecting on production of mango and sapota in South Gujarat. The growth was worked out with help of CAGR while instability was studied by co-efficient of variation. The decomposition was worked out with conventional decomposition method. The results of investigation showed that area and production mango and sapota significantly raised during study period in majority of districts of South Gujarat. The yield of mango significantly increased in Dang district while yield of sapota increased in all the districts except Tapi and Valsad district. The variability was observed in South Gujarat in respect of area, production and yield of mango and sapota. Yield was the major factor responsible for production of mango while area was dominant factor for production of sapota in most of districts of South Guajrat.

KEY WORDS : Growth, Decomposition, Mango sapota, Area effect, Yield effect

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