Resource productivity of tomato in different seasons in western Maharashtra

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ABSTRACT
The tomato crop is grown in all the seasons i.e. kharif, rabi and summer. However, each season has its own peculiarities in terms of production, demand and supply, costs and prices, market preferences and comparative advantages. Considering all this, study on costs and returns of tomato crop grown in different seasons is very important and with this view in mind, the investigation, resource productivity of tomatoes in kharif, rabi and summer season was carried out during the years 2005-06 at Sangamner tehsil of Ahemadnagar district. The data was collected from 90 tomato growers by personal interview method with the help of pretested schedule on inputs utilization in tomato production. The results revealed that the regression coefficient of plant protection, nitrogen, phosphorus were positive but non-significant coefficient of multiple determination ($R^2$) was 0.829 which indicated that 82.90 per cent variation in all independent variables. ‘F’ value was highly significant (154.00) in kharif season. In rabi season, N, P and K were positive but non-significant coefficient of multiple determination ($R^2$) was 0.979 which indicated 97.90 per cent in rabi tomato production. In summer season $R^2$ was 0.986 which indicated that 98.60 per cent variation in tomato production explained due to variation in all independent variables.

Key words: Tomato fruits, Production function, Resource productivity