



Research Article

Resource use efficiency in sugarcane production in Konkan region (M.S.)

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SUMMARY : The functional analysis was carried out to know the contribution of independent variables in yield of sugarcane. From the estimated Cobb-Douglas production function (log linear production function), it was observed that, in suru sugarcane co-efficient of determination (R^2) was 0.9113 indicating 91 per cent of variation and in ratoon sugarcane co-efficient of determination (R^2) was 0.9344 indicating that, 93 per cent of the variation in the yield explained by identified input variables included in the function. The expenditure on manures, plant protection, potassium and nitrogen in suru sugarcane cultivation and plant protection and manures to be curtailed considering their excess utilization in ratoon sugarcane cultivation. Whereas, MVP to FC ratios was more than unity for phosphorus and nitrogen, human labour, irrigation indicated under utilization of these resources in sugarcane cultivation which underlines scope of expanding the use of these inputs.

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