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Resource use efficiencies of okra in Thane district of Maharashtra

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ABSTRACT : The functional relationship between inputs factors in production of okra namely independent variables like seed (X_1), fertilizers (X_2), plant protection (X_3), human labour (X_4) and dependent variable as okra production (yield) was estimated by Cobb-Douglas type production function. The co-efficient of determination (R^2) was 0.824 indicating that 82 per cent of the variation in the yield is explained by independent factor such as seed (X_1), fertilizers (X_2), plant protection (X_3) and human labour (X_4). R^2 was found to be statistically significant. The functional analysis indicated that seed, fertilizer plant protection and human labour were used excessively. They need proper monitoring to increase allocative efficiency.

KEY WORDS : Inputs, Production, Production function, Resource use efficiency

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