



**RESEARCH ARTICLE :**

## Resource productivity and resource use efficiency in coconut production

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**SUMMARY :** Investigation was carried out during the year 2013-14. In all 48 cashewnut growers were randomly selected from sixteen villages of two tehsils in South-Goa district of Goa State. Cross sectional data were collected from coconut growers with the help of pretested schedule by personal interview method. Data were related to coconut output and inputs like machine labour, manure, fertilizers, irrigation and family human labour as resources. Cobb-Douglas production function was fitted to the data. The result revealed that, regression co-efficient of area under coconut was 0.383 followed by that of irrigation (0.044). In next order, regression co-efficient of manure was 0.048. Regression co-efficient of hired human labour, nitrogen and family human labour were positive but non-significant. Marginal product of area under coconut was 91.77 quintals followed by that of machine labour (1.418 q), manure (0.178 q) and irrigation (0.003) and so on. MVP to price ratio with respect to machine labour was 2.65 followed by area under coconut was 2.24, nitrogen (1.85), irrigation (1.42) and manure (1.24). Hence, preference might be given to increase machine labour on priority basis in coconut cultivation. Optimum resource use of area under cotton was 0.85 hectares and that of irrigation was 2121.16 m<sup>3</sup>.

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