



Research Paper

Resource productivity and resource use efficiency in cashewnut production

■ **B.R. PAWAR, R.A. KOLAMBKAR AND P.U. KAUTHEKAR**

See end of the paper for authors' affiliations

Correspondence to :

R.A. KOLAMBKAR

Department of
Agricultural Economics,
College of Agriculture,
Vasanttrao Naik
Marathwada Krishi
Vidyapeeth, PARBHANI
(M.S.) INDIA
Email: kolambkar.rachana14@gmail.com

ABSTRACT : 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 cashewnut growers with the help of pretested schedule by personal interview method. Data were related to cashewnut outputs and inputs like machine labour, manure, fertilizers, irrigation and family human labour as resources. Cobb Douglas production function was fitted to the data. The results revealed that, regression co-efficient of area under cashewnut was 0.278 followed by that of machine labour (0.052). In next order, regression co-efficient of potash was 0.008 followed by irrigation (0.139). Regression co-efficient of manure, nitrogen and family human labour were positive but non-significant. Marginal product of area under cashewnut was 6.431 quintals followed by that of machine labour (0.129 q), family human labour (0.035 q) and manure (0.129 q) and so on. MVP to price ratio with respect to machine labour was 2.28 followed by area under cashewnut (1.86), family human labour (1.61), potash (1.49), nitrogen (1.25), irrigation (1.19) and manure (1.16). Hence, preference might be given to increase machine labour on priority basis in cashewnut cultivation. Optimum resource use of area under cotton was 1.26 hectares and that of irrigation was 5505.50 m³.

KEY WORDS : Cashewnut, Geometric mean, Resource productivity, Marginal productivity, Optimum resources

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