



## RESEARCH PAPER

# Resource use efficiency and farm managerial abilities of groundnut farmers of Gujarat and Karnataka : Achieving higher profit by enhancing RUE and FPO based extension system

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**Abstract :** Globally, groundnut covers 315 lakh hectares with the production of 536 lakh tonnes with the productivity of 1701 kg per hectare (FAOSTAT, 2020). Using resources and achieving high productivity is concerned with annual all-season coverage of 55.71 lakh hectares, globally, India ranks first in groundnut area under cultivation and is the second largest producer in the world with 102 lakh tonnes with productivity of 1831 kg per hectare in 2020-21. There is a gap in yield or additional increase in output per unit input from the existing production level of groundnut. To bridge the gap or to improve the productivity we have to find out ways to increase output per unit input. This will lead to attainment of desirable transfer of factors of production among small and marginal farmers for high output for unit input. Hence, this study assessment of Resource Use Efficiency (RUE) and Farm managerial abilities of small and marginal farmers was undertaken among small and marginal farmers. The study revealed that the determinants of output among these groups are land preparation, seed and post-harvest handling practices. Resources used were more on these components. Farmers use more seeds, machineries and labours at the time of land preparation and post-harvest practices. The frontier function model on technical efficiency expressed the per cent of output lose due to in efficiency among small and marginal farmers. It revealed, about 24 to 37 per cent of outputlose noted among 88 per cent of small and marginal farmers. As far as farm managerial abilities were concerned most of them fell in medium categories. Though in other components farmers performed well in managerial abilities, but knowledge on scientific practices was concerned, majority (80-90%) fell on medium categories, thus this may, along with other factors are responsible for medium resource and technical efficiency of small and marginal farmers. These findings under score the importance of RUE driven FPO based technology delivery mechanism is an essential step in achieving higher productivity, minimising the cost and increasing the profit in rainfed groundnut production system.

**Key Words :** Groundnut, Resource use efficiency, Farm managerial abilities, Profitability

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