

Use and Productivity of Water in Head Region of a Canal Irrigation System – An Economic Approach

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ABSTRACT

The study aimed at the optimal water use at farm level in Narasapur canal irrigation system in West Godavari district of Andhra Pradesh, revealed that the irrigation intensity and cropping intensity were more in the large sized farms. The per cent of area under wet crops was more if canal constituted as main source of irrigation. In the case of tube well irrigated farms, the per cent of area under irrigated dry crops also increased. Irrigation intensity and cropping intensity were more in farms which were adjacent to the water resources. The number of installation of tube wells increased with increase in the distance of the farms from the outset of the supply channel.

Key words : Canal Irrigation, Productivity of Water