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## Yield gaps analysis of sugarcane in Maharashtra (India)

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This paper is an attempt of yield gaps analysis in different planting types of sugarcane in Maharashtra. Primary data were collected from 250 sugarcane cultivators using random sampling technique. Data collected during 2011-2012 were analyzed using the IRRRI methodology on yield gaps, multiple linear regression and tabular analysis. Results reveal that the magnitude of yield gap-I was higher, which implies that, the technology developed at research station cannot be duplicated on demonstration plots to exploit the full potential of sugarcane. This gap was attributable to environmental differences and non transferable component of technology. The orthodox practices being followed on farmer's field lead to yield gap-II. The farmers usually do not adopt a technology as a package but take up individual practices suitably trimmed to fit into their budget and skills (management and operational) which lead to the variation in the adoption of cultural practices and consequently to the yield gaps. The yield gaps cannot be completely eliminated, but can be minimized by efficient and effective resources management.

### Biography

Tai Deokate completed her Ph.D. at the age of 29 years from Mahatma Phule Agricultural University Rahuri, Ahmednagar and postdoctoral studies from Indira Gandhi Institute of Development Research. She is the Junior Research Assistant at MPAU. She has published more than 25 papers in reputed journals.

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