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Quantification of yield gaps in different planting of sugarcane in western Maharashtra

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ABSTRACT : This paper is an attempt the yield gaps analysis in different planting types of sugarcane in western Maharashtra. 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.

Key Words : Sugarcane, Yield gaps, Quantification

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