



Research Article

## Adoption of improved cultivation practices of *Kharif* rice crop and constraint faced by the farmers of Kheda district of middle Gujarat

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**SUMMARY :** Rice is the most important and extensively grown food crop in India. It is the staple food crop for more than half of the world. Rice is grown on about 44 per cent of the total area under cereals crop and it contributed about 45 per cent of the total cereal production in India. In Gujarat state, district Kheda is ranked first in production and area with the area 0.095 million ha and 0.23 million tonne production. The present study was undertaken in Matar taluka of Kheda district with the specific objectives to study the adoption of improved cultivation practices of *Kharif* rice crop and constraints faced by the farmers of Kheda District in Gujarat. Majority of the respondents had medium level to high level of adoption about improved cultivation practices of rice. About 74 per cent of the respondents had medium level of adoption where as 16 per cent respondents had high level of adoption about improved cultivation practices of rice. Majority of the respondents had adopted hand weeding practices and no. of hand weeding required, land preparation, application of FYM, used improved varieties, suitable soil type, selection of land for nursery preparation practices etc. While least adopted practices were TP system (Line sowing), seed treatment, disease control method, seed treatment by bio- fertilizers, marketing of harvested produce and chemical weed control etc., respectively.

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