



Research Paper

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Assessment of adoption gap and adoption level of turmeric production technology of turmeric growers in Muzaffarnagar district of Uttar Pradesh

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ABSTRACT : The present study was carried out during the year 2008-09 in the Muzaffarnagar district of Uttar Pradesh to assess the adoption gap in turmeric production technology and adoption level of turmeric growers. Study reveals that about 78-96 per cent gap in adoption were found in the turmeric processing of all categories of turmeric growers *i.e.* marginal, small, medium and large scale turmeric growers, respectively. The lowest adoption gap (11.80-32.30 %) was found in selection of soil of all categories turmeric growers *i.e.* marginal, small, medium and large turmeric growers. The average adoption gaps of marginal turmeric growers were found highest 57.73 per cent and lowest 35.0045 per cent for large turmeric growers. The adoption gaps of small and medium turmeric growers were 49.47 and 42.21 per cent, respectively. The highest adoption level (88.20 %) was found in soil selection of large turmeric growers and 63.74 per cent of marginal turmeric growers. The adoption level of small and medium turmeric growers were 71.80 and 80.80 per cent, respectively. The average adoption level in large turmeric growers were found highest 64.99 per cent and lowest 42.26 per cent of marginal turmeric growers. The adoption level of small and medium turmeric growers were 50.244 and 57.68 per cent, respectively.

KEY WORDS : Technology gap, Adoption level, Turmeric production technology

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Turmeric (*Curcuma Longa*) is an important Indigenous spices crop in India. It is widely used in processing industry and medicinal use. It is grown to a limited extent in selected locations in almost all the states of India. The area of turmeric in U.P. is increasing day by day. The rhizomes of turmeric are fleshy and possess a fragrant, peppery aroma, slightly bitter and musky flavour with warm spicy taste. It is used as a condiment in vegetables and prepared custard, because of its colour and mild flavour. It is also utilized of unchanging flavour of food items. It is used in pickles and other food stuff as a preservative. It is also used for dyeing wool, silk and cotton textile. As a medicine turmeric has been used in Ayurveda system of medicine in India. It is claimed to be a stomachic tonic, blood purifier, antiseptic, antacid and carminative.

On the basis of above importance of turmeric crop, it is necessary to increase production and productivity of the crop. It is observed that full production potential is not tapped by the turmeric growers. It was felt necessary to undertake the present of turmeric growers with following specific objectives to study the assessment of adoption gap of turmeric production technology of turmeric growers and their adoption level.

RESEARCH METHODS

The study was conducted in Muzaffarnagar district of Uttar Pradesh during 2008-09. The district comprises of 14 blocks and of them three blocks *i.e.* Baghra, Shahpur and Khatauli were selected on the basis of area under crop and the crop productivity. Five villages from each block and eight