

## Knowledge and adoption of sugarcane management practices by the farmers

G.K. SASANE, R.P. KHULE AND U.D. JAGDALE

### ABSTRACT

The respondents belonged to the old age group of above 56 years (41.67 per cent) followed by middle age group (36.66 per cent) and young group (21.67 per cent). A half of the respondents belonged to nuclear family (50.00 per cent) and joint type (50.00 per cent) of families. A large majority (90.83 per cent) of the respondents had small sized families. About 98.33 per cent of respondents had agriculture as their main occupation. More than two-fifth (41.66 per cent) of the respondents had obtained annual income less than Rs. 50,000. that almost all the paddy growers was complete knowledge about selection of soil and preparatory tillage operations, planting season, Improved varieties and Intercultural operations. Majority of Sugarcane growers complete knowledge about Source of planting material (98.33 per cent), seedrate(99.17 per cent), irrigation management (98.33), yield (97.50 per cent), harvesting (93.33), plant protection (86.66 per cent). that almost all the paddy growers was complete adoption about selection of soil (90.00per cent) and preparatory tillage operations(92.50), harvesting(87.50 per cent).,Majority of sugarcane growers complete adoption about planting season (38.33 per cent), seed rate (58.33 per cent) ,interculturaling (92.50), improved varieties (67.50 per cent), plant protection (48.33 per cent). All the respondents faced the constraints like load shading of electricity. A large majority (76.67 per cent) of respondents facing the constraints as non availability of improved varieties and non availability fertilizer (72.50 per cent).The 70.00 per cent farmers faced the constraint lack of quantity of water supply for irrigation and 70.00 per cent farmer faced the constraint of lack of technical knowledge about proper use of micronutrient.

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### INTRODUCTION

Sugarcane is the major cash crop of Western Maharashtra. Kolhapur is the major sugarcane growing district of Western Maharashtra. Mahatma Phule Krishi Vidyapeeth has given many improved varieties / hybrids of the vegetables and of different crops grown in the state. Similarly improved animal breeds, farm implements innovation in high-tech Agriculture, crop and water management and integrated pest management have also been recommended and given to the farming community.

Under the services at College Development Block, the extension personnel are engaged in the transfer of agriculture and allied innovations at the farms of the farmers by using the various and suitable extension teaching methods. However, the efforts taken by the personnel of extension education for the transfer of MPKV's innovations are not known. Hence, to know the extent of the knowledge and adoption of farm technologies generated by Mahatma Phule Krishi Vidhyapeeth, Rahuri in Maharashtra, the present study was designed with the following objectives : to study the socio-economic characteristics of the respondents, to study the extent of knowledge

and adoption of sugarcane management practices by the respondents and to study the constraints faced by the respondents in adoption of sugarcane management practices by respondents.

### METHODOLOGY

The study was conducted in the College Development Block situated in Hatkanangle, Radhanagari and Bhudharghar Tahsils of Kolhapur district. In all, 12 villages from College Development Block were selected randomly. From these selected villages, 10 farmers from each village were selected randomly. The farmers were interviewed with the help of structured interview schedule personally. In all 120 farmers were interviewed for this study.

### RESULTS AND DISCUSSION

The findings of the present study have been presented under following heads:

#### Personal and socio-economic profile1:

Age:

The respondents belonged to the old age group of above 56 years (45.83 per cent) followed by middle age group (36.67 per cent)

#### Key words :

Knowledge,  
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Constraints

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