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RESEARCH ARTICLE

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Developmental disability intensity index of orange growers

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ABSTRACT

The present investigation entitled "Developmental disability of orange growers in Maharashtra". Amravati district were selected for the present study. The general objectives to study developmental disability intensity of orange growers and carry out the resource analysis of orange growers. It was found that on an average 40.50 per cent of orange growers were belonged to middle age group (36 to 50 years), 32.75 per cent orange growers were having secondary education level and 35 per cent were from semi medium land holding (2.01 to 4.00 ha). The average area under orange growers was 26.50 per cent 62.75 per cent and 10.75 per cent per ha. Of orange growers in case of small, medium high herd size, respectively. The annual income of the orange growers an average was 28.25 per cent (Rs. 50,001 to Rs. 1, 00,000) and medium (9.34 to 18.66) Socio economic status 55.00 per cent than medium (9 to 16) scientific orientation was 49.50 per cent economic motivation of the orange growers was 52.75 per cent in medium category and only 51.75 per cent orange growers having high (Above 16) risk preference. The knowledge level of the orange growers according to their practice wise knowledge in this respondents had knowledge about recommended per cent of fruit dropping (48.25%), Pit depth (55.50%), Pruning method (56.25%), Fertilizers recommendation (57.00%), Recommended tillage operation at the time of fruiting stage (57.75%) revealed that most of the respondents (67.00%) had high knowledge about recommended orange cultivation practices, followed by 30.00 per cent of the respondents with medium knowledge. However only 3.00 per cent of the respondents belong to the category of low-level knowledge.

KEY WORDS : Disability, Intensity index, Orange growers

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INTRODUCTION

Nagpur Mandarin orange is one of the most important fruits of Maharashtra state. The area production and yield per hectare of orange in Maharashtra during the year 2000-01 were 78.503 hectares, 7,64,533 tones and 9.731 tones/ ha, respectively. The important orange growing districts in Maharashtra are Nagpur, Amravati, Wardha, Yavatmal and Akola. In Amravati District orange cultivation covers an area of 67057.00 hectares with production of 288000 tones and productivity of 9000 tones/ha during 2006-07.

This shows that the average yield of orange in Amravati district is 8.0512 tones/ ha. Which is obviously that average yield of Maharashtra state (9.731 tones/ha) Inspite of the high genetic potential in the crop and availability of latest technology the productivity of orange

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remained at 8.0512 tones/ha probably, it may be because of various production constraints like non availability of inputs and their exorbitant prices (Chikhale, 1993 and Bhople *et al.*, 1996) lack of knowledge and skill (Gomase, 1997) and irrigation constraints (Kadam, 1999). In this context the present study was undertaken to identify the constraints encountered by orange growers during use of various reasons for decline of orange cultivation.

MATERIALS AND METHODS

The present research investigation was carried out in Amravati district of Vidarbha region of Maharashtra State. A list of orange growers of orange cultivators obtained from taluka Agriculture officers of each Panchayat Samiti. In all, there were 100 orange growers were selected from each panchayat samiti total 400 orange growers were selected for the present investigation. Amravati district was having 14 talukas. Amongst those, Worud (15025 ha), Morshi (1, 0996 ha), Chandur Bazar (7436 ha) and Achalpur (6729 ha.) talukas have highest area under orange cultivation. So these four talukas was purposively selected. 10 villages from each taluka having highest area under orange cultivation were purposively

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