

**Research Note****ROLE OF FARM WOMAN IN AGRICULTURAL OPERATIONS**L. D. Nagalwade<sup>1</sup>, R. M. Zinjarde<sup>2</sup> & Valshall K. Bhangey<sup>3</sup>

The farm woman though she is in reality on equal partner of man in agriculture suffers from many handicaps which stand in the way of her effective participation in development process. The farm woman is not recognised as a partner of man or she is included in the efforts of bringing new technology in agriculture. The contribution of farm woman is considerably very high in agriculture with due education and training the farm woman could be more productive. Thus, it is essential to recognise the current position of farm woman in agricultural activities and role played by them. With this background, the present study was undertaken with the following specific objectives. To study the different profiles, constraints of the farm women in performing the role in farm operation and to know the relationship between personal, socio-economic and psychological characteristics of farm woman and their role performance.

**METHODOLOGY :**

The present study was conducted in Hingna panchayat samiti of Nagpur district in Maharashtra state. The sample of study comprised 150 farm woman randomly selected from ten villages of Hingna panchayat samiti. Data were collected by personal interview method. Then, data were subjected to statistical test of co-efficient of correlation ( $r$  value) to ascertain the relationship between independent and dependent variables.

**RESULT AND DISCUSSION :**

The data given in Table 1 reveal the level of role performance in agricultural operation of farm woman. It was found that majority (62.33%) of farm woman had medium level of role performance in agricultural operations and about 20% and 16.67% of farm woman had high and low level of role performance, respectively in various agricultural activities viz. sowing, weeding, transplanting, fertilizer application, harvesting and grain storing etc.

Category	Respondents	
	Number	Percentage
Low	25	16.67
Medium	95	63.33
High	30	20.00

The relationship between personal, socio-economic and psychological characteristics were tested against role performance of farm woman in agricultural operations. The data provided in Table 2 shows that contacts, irrigation potentiality and economic motivation were found to have significant association with the role performance in agricultural operations of farm woman. Similar results were reported by Dakhore *et al.* (1988). While, education, land holding, annual income and socio economic status of farm woman found to have negatively significant relationship with role performance in agricultural operations. These results are in accordance with the observations of Grover and Kapoor (1988). However, variable family labour of farm woman found to have a non-significant relationship with role performance in agricultural operations.

Further, it has been observed that majority of farm woman (73.33%) stated difficulty in performing agricultural activities due to lack of opportunity to attend meetings, exhibitions and

demonstrations for getting information's. It has also been found that about 72.00% farm woman had difficulty to spare time for farm operations due to domestic work.

#### CONCLUSION :

The study indicated that age, social participation, extension contacts, irrigation potentiality and economic motivation have been identified as important factors affecting the role performance of farm woman as these variables were found positively significant and therefore, the importance must be given to these variables while assessing the role performances in agricultural operations. Similarly, education, land holding, annual income and socio-economic status were also important factors which showed negative correlation with role performance in agricultural operations. It is, therefore, suggested to take care of these variables which are important in increasing the role of farm woman in agricultural operations. The extension agencies may organise training programmes for rural woman in agricultural technology and an opportunity to attend meetings, exhibitions and demonstrations for getting information. The constraints expressed by the farm woman may be attended by the extension agencies and concerned departments so that the farm woman can perform their role more efficiently and thus can increase their agricultural production.

#### REFERENCES :

1. Dakhore, A. G., Dalvi, V.B., Sawant, P. S., and Nirban, A. J. (1988) : Role of farm woman in farming and allied activities of the families. Paper presented at National Seminar at Dr. P. D. K. V. Akola, October 7-8, 1988.
2. Grover, I. and Kapoor, A.C. (1988) : Researches and appropriate agricultural technology for farm woman. Abstract of paper presented at international technology for farm woman at ICAR, New Delhi 110 087, November 30, 1988.

**Table 2. Relationship between personal, socio-economic and psychological characteristics and their role performance in agricultural operations.**

Characteristics	'r' value
Age	0.355**
Annual income	-0.726**
Land holding	-0.270**
Education	-0.471**
Family labour	0.045
Social participation	0.400**
Extension contact	0.379**
Socio-economic status	-0.370**
Irrigation potentiality	0.259**
Economic motivation	0.666**

\*\* Significant at 0.01 level of probability

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