

DECISION MAKING ABILITY OF FARMWOMEN IN AGRICULTURAL DEVELOPMENT

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ABSTRACT

This present study entitled “Decision making ability of farmwomen in agricultural development” was conducted in the year 2020, with a sample of 200 respondents. The ex-post facto research design was used for the research study. The study was carried out in Vadodara district of Gujarat. From these four Talukas were selected on the basis of area under higher cotton production viz, Karjan, Dabhoi, Sinor and Padara. The study was conducted to know the decision making ability of farmwomen in agricultural development. Major activities were interculturing operation and gap filling (ranked 1st), ginning (ranked 2nd), thinning (ranked 3rd), Utilization of stock (ranked 4th), packing (ranked 5th), place of storing for produce (ranked 6th), maintaining farm implement (ranked 7th), picking and number of picking (ranked 8th), Mixing time of FYM (ranked 9th), transportation of manures to the field and discussion with other progressive farmer and specialist (ranked 10th) in decision making in crop production. Major activities were disposal of cow dung and making cow dung cakes (ranked 1st), care of pregnant animals (ranked 2nd), taking animals for grazing, fodder collection and chaffing fodder (ranked 3rd), management of new born calves, sick and pregnant animals (ranked 4th), construction of shed (ranked 5th), milking and processing of milk (ranked 6th), type and number of dairy animals to be kept (ranked 7th), selection of animals (ranked 8th), marketing of milk and value added products (ranked 9th) and utilization of dung (ranked 10th) in decision making in animal husbandry and dairy management.

Keywords: decision making ability, farmwomen, agricultural development

INTRODUCTION

India is agriculture based country and majority of its populations are living in rural areas. Women is the moulder and builder of any nations destiny, They plays significant role in development of economy. They regarded as the backbone of rural livelihood sector.

Most of the women perform various types of works for their livelihood and agriculture and allied is considered as biggest sector which is unorganized where large number of rural women actively participates in it. Rural women is able to manage multifaceted works, which include agriculture and its allied activities, house hold activities, caring for family members and maintaining all the household activities without any hassles. Numerous of these activities are not defined as “economically active employment” contributing to the GDP of nation even though they are indispensable part for the wellbeing of rural households. Even though their contribution is much their role is neglected. Hence, the present study was taken to know the decision making ability of farmwomen in agricultural development.

OBJECTIVE

To know the decision making ability of farmwomen in agricultural development

METHODOLOGY

The present study was carried out in Vadodara district of Gujarat. From this district 4 talukas were selected based on area under higher cotton production and from each taluka 5 villages were selected randomly, thus, the total 20 villages were selected for this study. Ten farmwomen were selected randomly from each village. Thus, by simple random sampling technique, a random sample of 200 farmwomen was selected for the study. Mean score and rank method is used to measure decision making ability of farmwomen in agricultural development.

RESULTS AND DISCUSION

Decision making ability of farmwomen in crop production

Decision making ability of farmwomen in crop production refers different activities related to

land preparation, sowing activities, irrigation and water management, application of manures, fertilizer applications, after care operations, harvest and post-harvest activities, marketing and management practices. To measure decision making ability of farmwomen in decision making in various activities mean score was used for giving rank. The data related to decision making ability of farmwomen in crop production were presented in Table1.

Table 1: Distribution of farmwomen according to their decision making ability in crop production
(n= 200)

Sr. No.	Activities	Mean Score	Rank
1	Irrigation before sowing	0.15	36 th
2	Removal of stubbles	0.82	27 th
3	Clod crushing	0.32	32 nd
4	Ploughing of land	0.13	37 th
5	Leveling of land	0.28	33 rd
6	Seedbed preparation	1.05	25 th
7	Preparation of water channel	1.33	20 th
8	Selection of variety	1.32	21 st
9	Seed Treatment	1.47	15 th
10	Sowing of crop	1.54	14 th
11	Type of irrigation method	1.45	17 th
12	Interval of irrigation	1.44	18 th
13	Preparation of FYM	1.22	23 rd
14	Quantity of FYM	0.54	31 st
15	Mixing time of FYM	1.82	9 th
16	Transportation of manures to the field	1.80	10 th
17	Uniform distribution of manures to the field	1.79	11 th
18	Type of fertilizer	0.75	29 th
19	Transportation of fertilizer to the field	0.78	28 th
20	Time of application of fertilizer to the field	1.19	24 th
21	Method of application of fertilizer to the field	1.25	22 nd
22	Application of micro-nutrients with dose	0.84	26 th
23	Thinning	2.14	3 rd
24	Gap filling	2.29	1 st
25	Interculturing operation	2.29	1 st
26	Selection of herbicides & its dose	1.46	16 th

Sr. No.	Activities	Mean Score	Rank
27	Mechanical weeding	0.22	34 th
28	Identifying pest and diseases	0.19	35 th
29	Spraying of insecticides	1.42	19 th
30	Spraying of pesticides	1.42	19 th
31	Picking	1.91	8 th
32	Number of picking	1.91	8 th
33	Utilization of stock	2.07	4 th
34	Place of storing for produce	2.00	6 th
35	Ginning	2.19	2 nd
36	Grading	1.76	11 th
37	Packing	2.01	5 th
38	Transportation to market	1.19	24 th
39	Price decision	0.74	30 th
40	Supervision of hired laboures in the field	1.71	13 th
41	Maintaining farm account	1.75	12 th
42	Maintaining farm implement	1.95	7 th
43	Discussion with other progressive farmer and specialist	1.80	10 th

The result indicates that activities in which high degree of participation of farmwomen in decision making were interculturing operation and gap filling (2.29 score ranked 1st), ginning (2.19 score ranked 2nd), thinning (2.14 score ranked 3rd), Utilization of stock (2.07 score ranked 4th), packing (2.01 score ranked 5th), place of storing for produce (2.00 score ranked 6th), maintaining farm implement (1.95 score ranked 7th), picking and number of picking (1.91 score ranked 8th), Mixing time of FYM (1.82 score ranked 9th), transportation of manures to the field and discussion with other progressive farmer and specialist (1.80 score ranked 10th).

The result indicates that activities in which least degree of participation of farmwomen were ploughing of land (0.13 score ranked 37th), irrigation before sowing (0.15 score ranked 36th), identifying pest & diseases (0.19 score ranked 35th), mechanical weeding (0.22 score ranked 34th) and leveling of land (0.28 score ranked 33th).

Decision making ability of farmwomen in animal husbandry and dairy management

Decision making ability of farmwomen in animal husbandry and dairy management refers different activities related to care and nurturing of animals, feeding & insurance of animals, making dairy products etc. To measure decision

making ability of farmwomen in various activities mean score for giving rank was used. The data related to decision making ability of farmwomen in animal husbandry and dairy management were presented in Table 2.

Table 2: Distribution of farmwomen according to their decision making ability in animal husbandry and dairy management (n= 200)

Sr. No.	Activities	Mean Score	Rank
1	Construction of shed	1.77	5 th
2	Selection of animals	1.54	8 th
3	Purchase and sale of animals	0.82	11 th
4	Taking animals for grazing	2.22	3 rd
5	Fodder collection	2.22	3 rd
6	Chaffing fodder	2.22	3 rd
7	Disposal of cow dung	2.55	1 st
8	Making cow dung cakes	2.55	1 st
9	Care of pregnant animals	2.23	2 nd
10	Type and number of dairy animals to be kept	1.57	7 th
11	Taking loans and advances	0.77	13 th
12	Types of fodder to be cultivated	0.82	11 th
13	Purchase of concentrate feed	0.77	13 th
14	Treatment of animals	1.43	10 th
15	Vaccination and deworming	0.08	15 th
16	Management of new born calves, sick and pregnant animals	2.09	4 th
17	Milking and processing of milk	1.75	6 th
18	Marketing of milk and value added products	1.49	9 th
19	Insurance of animals	0.82	11 th
20	Utilization of dung	1.43	10 th
21	Adoption of new scientific management practices	0.81	12 th
22	Farm expansion	0.52	14 th

The result from Table 2 indicates that activities in which high degree of participation of farmwomen in decision making were disposal of cow dung and making cow dung cakes (2.55 score ranked 1st), care of pregnant animals (2.23 score ranked 2nd), taking animals for grazing, fodder collection and chaffing fodder (2.22 score ranked 3rd), management of new born calves, sick and pregnant animals (2.09 score ranked 4th), construction of shed (1.77 score ranked 5th), milking and processing of milk (1.75 score ranked 6th), type

and number of dairy animals to be kept (1.57 score ranked 7th), selection of animals (1.54 score ranked 8th), marketing of milk and value added products (1.49 score ranked 9th) and utilization of dung (1.43 score ranked 10th).

CONCLUSION

From the above result it can be concluded that major activities were interculturing operation and gap filling (2.29 score ranked 1st), ginning (2.19 score ranked 2nd), thinning (2.14 score ranked 3rd), Utilization of stock (2.07 score ranked 4th), packing (2.01 score ranked 5th), place of storing for produce (2.00 score ranked 6th), maintaining farm implement (1.95 score ranked 7th), picking and number of picking (1.91 score ranked 8th), Mixing time of FYM (1.82 score ranked 9th), transportation of manures to the field and discussion with other progressive farmer and specialist (1.80 score ranked 10th) in decision making in crop production. Major activities were disposal of cow dung and making cow dung cakes (2.55 score ranked 1st), care of pregnant animals (2.23 score ranked 2nd), taking animals for grazing, fodder collection and chaffing fodder (2.22 score ranked 3rd), management of new born calves, sick and pregnant animals (2.09 score ranked 4th), construction of shed (1.77 score ranked 5th), milking and processing of milk (1.75 score ranked 6th), type and number of dairy animals to be kept (1.57 score ranked 7th), selection of animals (1.54 score ranked 8th), marketing of milk and value added products (1.49 score ranked 9th) and utilization of dung (1.43 score ranked 10th) in decision making in animal husbandry and dairy management.

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