

Impact of Vermicompost Production in Terms of Income and Employment Generation

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Abstract

Vermicompost is the major component of organic farming as it may fulfill all the requirements with respect to production and protection of crop plants. The vermicompost may also be used as a tool for income generation, organic farming, environment protection, maintaining the soil health and sustaining the agricultural production. The department of Agriculture and Farmers Welfare has been conducted so many training programmes on vermicompost technology to promote this. The present study focused on "Impact of Vermicompost production in terms of Income and Employment generation in Hoshangabad district (M.P.) 96 respondents producing vermicompost were selected to know the impact of vermicompost production in terms of income and employment generation. Higher percentage of respondents had generated medium level of employment where as medium level of income by using vermicompost production technology.

INTRODUCTION

As the vermicompost is a biological source of nutrient and can be prepared with the use of biodegradable wastes available at the village farm level through the joint action of microbes and earth worms. Vermicompost is the major component of organic farming as it may fulfill all the requirements with respect to production and protection of crop plants. The vermicompost may also be used as a tool for income generation, organic farming, environment protection, maintaining the soil health and sustaining the agricultural production.

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requirements with respect to production and protection of crop plants. The vermicompost may also be used as a tool for income generation, organic farming, protection of environment, maintaining the soil health and sustaining the agricultural production.

OBJECTIVE:

To see the impact of vermicompost production on income and employment generation.

REVIEW OF LITERATURE:

Aski and Hirevenkanagoudar (2010) observed that most of the respondents 57 per cent had low level of income generation at the starting point of the work but after two years it consistently increase in income and employment.

Hiremath and Maydan (2013) concluded that in order to derive wider generation, a study with large sample size could be conducted. Comparative studies on trainings conducted by various colleges on vermicompost production technology can be taken up to derive wider generalizations which imply that medium level of income generation was created.

Srinivas and Sailaja (2013) found that 65 per cent respondents had medium level of increase in their income generation as well as employment generation.

Singh et al. (2015) conductance of on campus vocational training programmes had a positive impact on the knowledge gained by the practicing farmers. On campus trainings played an important role in developing the skills among the practicing farmers and also benefiting the farmers particularly women for generation of income and employment generation.

METHODOLOGY:

96 respondents producing vermicompost of Hoshangabad district were selected to know the impact of vermicompost production in terms of income and employment generation by using pre tested interview schedule.

RESULT & DISCUSSION

Impact of vermicompost in terms of income and employment generation: Impact was drawn in terms of income generation and employment generation.

Impact of vermicompost in terms of income generation

Their income level before and after adoption of vermicompost technology shows the

impact in terms of income generation.

S.No	Aspects	Partially Agree		Agree		Completely Agree	
		F	%	F	%	F	%
1	Able to generate income whole year	16	16.66	55	57.29	25	26.04
2	Income generation varies according to season	22	22.91	42	43.75	32	33.33
3	Good source of income generation in minimum time	25	26.04	25	26.04	46	47.91
4	Good source of income generation at lower input cost	22	22.91	45	46.87	29	30.20
5	Vermicompost production is less risky and beneficial business	20	20.83	32	33.33	44	45.83
6	Before adopting vermicompost production technology generate income whole year	19	19.79	38	39.58	39	40.62
7	Vermicompost production technology is good source of income generation	16	16.66	26	27.08	54	56.25

LEVEL OF INCOME GENERATION BY USING VERMICOMPOST TECHNOLOGY

Level of Income Generation by using vermicompost production technology

1. whole year income generation by vermicompost technology

The maximum number of the respondents (57.29%) show their agreement on getting income whole year by producing vermicompost, followed by completely agree (26.04%) and partially agree (20.83%). Vermicompost production is less risky occupation and not affected as much by climatic change and it is one of the best allied agriculture activity.

2. Income generation varies according to season

It is observed that 43.75% respondents were agree followed by (33.33%) completely agree and (22.91%) partially agree on the aspects that income generation varies regarding seasonal variation. It shows that this activity needs full attention towards adopting the technology.

3 Good source of Income generation in minimum time

It is depicted that (47.91%) respondents were completely agree on the aspect that vermicompost is a good source of income generation in minimum time, followed by (26.04%) were partially agree and (26.04%) were agree. Vermicompost production is easy to operate and takes minimum time so it concluded that this technology is collateral with agricultural activities and good subsidiary occupation.

4. Good source of income generation at lower input cost

It is clearly shows that (46.87%) respondents were agree on this aspect followed by

(30.20%) completely agree and (22.91%) partially agree. For vermicompost production raw material required is litter, residues, cow dung of livestock and earthworms so initial cost of vermicompost production is not expensive.

5. Less risky and beneficial business

Result of the study indicates that 45.83% respondents were completely agree on this aspect followed by 33.33% agree and 20.83% partially agree. Vermicompost production is not affected by climate change so it is not risky occupation. Vermicompost production increases production as well as income generating business of dual profit.

6. Able to generate income whole year

It is observed that maximum no. of respondents (40.62%) completely agree followed by (39.55%) and 19.79% partially agree. Farmers gain income via cropping, dairy, fishery, poultry etc before adopting vermicompost technology but farmer's view for this allied activity shows that those occupations are risky and time taking while vermicompost production technology is favourable in farmer view.

7. Vermicompost production is a good source of Income generation

It is depicted that (56.25%) respondents were completely agree followed by (27.08%) agree and (16.66%) partially agree. By using Vermicompost production technology farmer increased their agricultural production as well as income at minimum cost and in minimum time.

Impact of vermicompost production in terms of employment generation

Impact of vermicompost production in terms of employment generation refers to the change in employment level of the respondents occurred after the adoption of vermicompost technology.

Level of employment generation by using vermicompost production technology -

S.No.	Aspects	Partially Agree		Agree		Completely Agree	
		F	%	F	%	F	%
1	Able to generate employment whole year	17	17.70	56	58.33	23	23.95
2	Employment generation varies according to season	20	20.83	51	53.12	25	26.04
3	Generate employment only for family members	20	20.83	38	39.58	37	38.54
4	Able to generate employment for unemployed	22	22.91	45	46.87	29	30.20
5	Women have equal share in employment	23	23.95	38	39.58	35	36.45
6	Before adopting vermicompost production technology able to get employment whole year	22	22.91	38	39.50	36	37.50
7	Vermicompost unit is good source of employment generation	19	19.79	26	27.08	51	53.12

f= Frequency, %= Percentage P.A.=Partially agree A.= Agree C.A.= Completely agree

Level of Employment Generation by using Vermicompost production Technology

1 Able to generate employment whole year

The maximum number of the respondents (58.33%) were agree on this aspect followed by (23.95%) were completely agree and (17.70%) partially agree. Vermicompost production is not affected as much by climatic change and it is one of the best collateral agriculture activity to generate employment whole year.

2 Employment generation varies regarding season

Majority of respondents (53.12%) were agree followed by (26.04%) completely agree and (20.83%) partially agree on this aspect because farmers specially engaged in cropping that varies according to season so income and employment generation varies accordingly.

3 Employment Generation only for family

The maximum number of the respondents (39.58%) shows agreement on the aspect followed by (38.54%) completely agreed and (20.83%) partially agree. Majority of the respondents belonged to nuclear family and they started vermicompost production as a subsidiary occupation so only family members are involved.

4 Able to Generate Employment for Unemployed

Majority of respondents (46.87%) were agree followed by (30.20%) completely agree and (22.91%) respondents were partially agree. It is directly related to area under vermicompost production. When the vermicompost unit started at large scale it generates more income and employment for unemployed.

5. Able to generate Employment for women in equal share

The maximum number of the respondents (39.58%) were agree to generate employment for women followed by (36.45%) completely agree and (23.95%) partially agree. Vermicompost production depends on individual's skill. vermicompost production is that type occupation which not require labour and hard work so women got equal opportunity of employment.

6 Able to generate Employment whole year before adopting vermicompost production

Majority of respondents (39.50%) shows were agree on the aspect followed by (37.50%) completely agree and (22.91%) partially agree. Farmers get employment whole year via cropping, poultry, dairy, fishery etc.

7. Vermicompost production technology is a Good source of Employment Generation

The maximum number of the respondents (53.12%) respondents were completely agree followed by (27.08%) agree and (19.79%) partially agree. Vermicompost technology is good source of income and employment generation in minimum time.

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