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ANALYTICAL STUDY OF AGRICULTURE INPUT PROBLEMS OF FARMERS, RETAILERS AND COMMISSION AGENTS BEFORE AGRICULTURE DEVELOPMENT IN NANDED DISTRICT

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Abstract:-The increase in production from agriculture and allied activities has undoubtedly a very prominent role in the process of economic development. But in a predominantly agrarian economy like that of Nanded district, where the pressure of population on land is already very high and is constantly increasing, the solution to the slow progress of economic growth and living standard lies in the diversification of major economic activity, a process which largely depends on the rapidity of industrial development.

Keywords: Retailers And Commission Agents , Analytical , Agriculture Development .

INTRODUCTION:

Hence, the researcher interested to find out the agriculture input problems of farmers, retailers and commission agents before agriculture development in Nanded district. Apart from this, the present study will definitely be useful to tress out remedies for overcoming the problems of agriculture development in the district.

RESEARCH METHODOLOGY OF THE STUDY:

In order to collect the primary data following methodology has been adopted. The investigation in economics starts with selection of appropriate numbers of respondent's preparation of scheduled selection of proper tools of analysis for the collection of data. Details regarding the plan of investigation i.e. sampling design, nature & sources of data, Statistical tools & Techniques etc. adopted for the study are presented in this paper under the following heads:

Sampling design:

Since the study has aimed at finding out the agriculture input problems in Nanded district, the sample for the study necessarily involves the selection of cultivators as well as marketing intermediaries for gathering relevant data on the above aspects of the study.

In this study for the selection of cultivators multistage sampling techniques have been followed with district as the first unit, tehsils as the second unit and villages as the third and final unit.

Selection of district:

The agro climatic conditions prevailing in Nanded district of the Marathwada region in Maharashtra state are congenial for agriculture. Similarly, there is a good network of canals in the district, which enables to increase water table of the wells in the command area of the canals. This offers good scope for agriculture development. Hence, Nanded district has been selected purposively for the present study.

Selection of tehsils:

There are sixteen tehsils in Nanded District and all the talukas are selected as samples for the present study.

Selection of villages:

In this study, five villages from each taluka are selected randomly. These total samples villages are 80 from sixteen talukas have been selected for the present study.

Selection of farmers:

20 farmers from each taluka totaling 320 have been selected randomly (purposive random selection method). The list of farmers of selected villages has been obtained from the land holding.

Selection of markets:

Agricultural Production in Nanded district is marketed either in Nanded or Hyderabad market. Hence, the researcher has been selected as market of the production area and the latter as market of the consuming area.

Selection of market functionaries:

From Nanded market 10 commission agents and 30 retailers and 2 commission agents and 10 retailers from each taluka level market have been selected randomly. The Primary cross sections data have been collected by the survey method through conducting personal interviews of head of the respondent family. The data have been gathered with the help of well-structured specially designed pre-tested schedules separately for agriculture crop cultivators and each marketing functionary involved in the problems & prospectus of agriculture.

OBJECTIVE OF THE STUDY:

To identify the agriculture input problems of the farmers, retailers and commission agents in Nanded District.

Hypothesis of the study:

In-depth qualitative rather than quantitative information was used for the purpose to answer the research questions. Farmers, Retailers and the commission agents were interviewed to gather information.

Following is the hypothesis of the present study.

Farmers, retailers and commission agents of Nanded district are encountering the main cultivation problems i.e. high fertilizer prices, manpower problem, high wage rate, inadequate irrigation facility and untimely and inadequate of loans.

Statistical Tools & Techniques:

The following tools are used for analysis and interpretation of the study as wherever they are suitable / applicable.

- A. Percentages
- B. Ratios
- C. Growth Rates
- D. Chi-Square Analysis
- E. Figures

Agriculture Input Problems:

TABLE
AGRICULTURE INPUT PROBLEMS OF THE RESPONDENTS

Sr. No.	Problems	No. of Respondents			Total	%
		Farmers	Retailers	Commission Agents		
A) Fertilizer Prices						
01	High	187	112	30	329	60.92
02	Affordable	133	68	10	211	39.08
Total		320	180	40	540	100.00
<i>(X²=4.28, table value @ 5% level = 5.99)</i>						
B) Manpower Availability						
01	Adequate	132	75	15	222	41.12
02	Inadequate	188	105	25	318	58.88
Total		320	180	40	540	100.00
<i>(X²=0.24, table value @ 5% level = 5.99)</i>						
C) Wage Rates						
01	High	237	145	22	404	74.81
02	Affordable	83	35	18	136	25.19
Total		320	180	40	540	100.00
<i>(X²=11.57, table value @ 5% level = 5.99)</i>						
D) Availability of Irrigation						
01	Adequate	198	116	27	341	63.14
02	Inadequate	122	64	13	199	36.86
Total		320	180	40	540	100.00
<i>(X²=0.67, table value @ 5% level = 5.99)</i>						
E) Availability of Loan						
01	Timely & Adequate	173	103	29	305	56.48
02	Untimely & Inadequate	147	77	11	235	43.52
Total		320	180	40	540	100.00
<i>(X²=4.97, table value @ 5% level = 5.99)</i>						

Source: - Field Survey

Views of the farmers, retailers and commission gents in respect of various problems of agriculture input faced by them are brought out in above table.

From the table, it may be revealed as under, Majority 329 i.e. about 60.92% are facing high fertilizer prices problem while only 39.08% (i.e. 211 respondents) have felt affordable price of fertilizers.

As in case of Manpower problem about 58.88% respondents are suffering from inadequate manpower problem and only 41.12% were having adequate manpower.

Regarding the Wage Rates, 404 respondents (about 74.81%) are suffering from the high wage rate problem and other 25.19% do not have such problem.

As regard to the availability of irrigation, 341 (about 63.14%) samples are having adequate irrigation while other 199 about 36.86% are suffering from inadequacy of irrigation problem.

In respect of availability of loan, 305 (about 56.48%) respondents are satisfied as timely and adequate loan by other 235 i.e. 43.52% respondents are not satisfied about this facility.

Testing of Hypothesis:

From the calculations based on the above table, following results are available.

High Fertilizer Prices:

Calculated value of Chi-Square is worked out as 4.28 whereas Table Value at 5% degree of freedom is 5.99. Calculated value of Chi-Square is less than the table value. Therefore the hypothesis is accepted. It can be concluded that the farmers of Nanded district are facing the problem of High Fertilizer Prices.

Inadequate Manpower:

Calculated value of Chi-Square is worked out as 0.24 whereas Table Value at 5% degree of freedom is 5.99. Calculated value of Chi-Square is less than the table value. Therefore the hypothesis is accepted. It can be said that the farmers of Nanded district are facing the problem of Inadequate Manpower.

High Wage Rate:

Calculated value of Chi-Square is worked out as 11.57 whereas Table Value at 5% degree of freedom is 5.99. Table value is less than calculated value of Chi-Square. Therefore the hypothesis is rejected. It is proof to say that the farmers of Nanded district are not facing the problem of high wage rate.

Inadequate Irrigation:

Calculated value of Chi-Square is worked out as 0.67 whereas Table Value at 5% degree of freedom is 5.99. Calculated value of Chi-Square is less than the table value. Therefore this hypothesis is accepted. It can be claimed that the farmers of Nanded district are facing the problem of irrigation.

Untimely & Inadequate of Loans:

Calculated value of Chi-Square is worked out as 4.97 whereas Table Value at 5% degree of freedom is 5.99. Calculated value of Chi-Square is less than the table value. Therefore the hypothesis is accepted. It can be concluded that the farmers of Nanded district are getting timely and adequate loans.



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