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ANALYTICAL STUDY OF LEVEL OF CULTIVATION KNOWLEDGE PROFILE OF THE FARMERS, RETAILERS AND COMMISSION AGENTS 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:Farmers, agriculture ,economy ,Analytical .

INTRODUCTION:-

Hence, the researcher interested to find out the level of cultivation knowledge profile of farmers, retailers and commission agents before agriculture development in Nanded district. Apart from this, the present study will definitely be useful to stress 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 level of cultivation knowledge profile of farmers, retailers and commission agents 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 and prospectus of agriculture.

Objective of the study:

To know the level of cultivation knowledge profile 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 of Nanded district having average cultivation knowledge.

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

Level of Cultivation Knowledge Profile of the Respondents:

Cultivation Knowledge of agriculture includes knowledge of seed variation, crop rotation, soil testing, chemical and compost fertilizers as well as marketing of the produce which boosts economic condition of the farmers.

TABLE
LEVEL OF CULTIVATION KNOWLEDGE PROFILE OF THE RESPONDENTS

Sr. No.	Level of Cultivation Knowledge	No. of Respondents			Total	%
		Farmers	Retailers	Commission Agents		
			Including Rental Basis			
01	Average	41	12	03	56	10.37
02	Good	129	59	12	200	37.04
03	Better	109	74	13	196	36.30
04	Best	41	35	12	88	16.30
Total		320	180	40	540	100.00

Source: - Field Survey

(X² =16.71, table value @ 5% level = 12.6)

Above table reveals that the average level knowledge respondents grossly aggregated 10.37% wherein 41 farmers, 12 retailers and 3 commission agents are included. Out of the total 200 respondents were having good knowledge of agriculture, amongst whom 129 are farmers, 59 retailers and 12 commission agents which grossly aggregated 37.04%. The number of respondents who have better knowledge is 196 consisting 109 are farmers, 74 retailers and 13 commission agents which aggregate 36.30%. Only 88 respondents have best knowledge of agricultural which aggregated 16.30% amongst whom 41 are farmers, 35 retailers and 12 commission agents. It can be inferred that more than 70% respondents were having good level of agriculture cultivation knowledge.

Testing of Hypothesis:

From the calculations based on the above table, calculated value of Chi-Square is worked out as 16.71 whereas Table Value at 5% degree of freedom is 12.6. Calculated value of Chi-Square is more than the table value. Therefore the hypothesis is rejected.

CONCLUSION:

It can be said that the farmers of Nanded district are not having the average level cultivation knowledge.



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