DETERMINANTS OF COMMUNICATION BEHAVIOUR OF CONTACT FARMERS—APATH ANALYSIS*

The Training and Visit system of Agricultural Extension envisages that the technological information given to the contact farmers by the Agricultural Demonstrators will be conveyed effectively to other fellow farmers in the area so that a large scale adoption of improved agricultural practices could be effected without much time lag. The essential tenet of the Training and Visit system, ie., to achieve multiplier effect through contact farmers depends mostly on effectiveness of the communication behaviour of contact farmers.

As in the case of many variables, such as adoption, the efficiency of the contact farmers' communication behaviour is determined by a host of independent variables such as the socio-economic and psychological characteristics of the contact farmers. The identification and quantification of the influence of socio-economic and psychological characteristic of contact farmers on the effectiveness of their communication behaviour is very crucial in the Training and Visit system. A correct measure of the direct and indirect effect of the socio-economic and psychological characteristic of contact farmers on their communication behaviour will be the application of the path analysis technique. Path and analysis is a method of measuring influence along each separate path in such a system of variables and finding the degree to which variation of a given effect is determined by each particular cause, In order to quantify the influence of socio-economic and psychological characteristics of contact farmers on their communication behaviour a research study was conducted in Trivandrum district of Kerala during 1983.

Trivandrum district was randomly selected as the locale for the study. All the three agricultural sub-divisions under the Training and Visit system in the district, viz., Attingal, Neyyattinkara and Nedumangad were selected for the study. One hundred contact farmers were selected for the study using a three-stage random sampling procedure. The data were collected by interviewing the respondents individually with the help of a pre-tested interview schedule developed for the purpose of this study.

Communication behaviour was considered as the dependent variable in this study. Nine independent variable, viz., extension orientation, scientific orientation, management orientation, pattern of the preference of information sources, mass media participation, socio-economic status, attitude towards contact farmer system, role perceptton and role performance were studied to find out their direct and indirect effect on the dependent variables.

The method followed by Pandyaraj (1978) was used with slight modification for measuring the communication behaviour. Extension orientation and

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mass media participation were measured using the methods followed by Bhaskaran (1979). Pattern of preference of information sources was measured using the method followed by Pandyaraj (1978). The scales developed by Supe (1969) Samantha (1977) and Venkataramaiah (1983) were used for measuring the respondent's scientific orientation, management orientation and socio-economic status respectively.

Role perception and role performance were determined using the scales developed for the study. Similarly attitude of the respondents towards contact farmer system was also measured using the scale developed for the purpose of this study.

Path analysis was done using the 'Do-little method' suggested by Wright (1921).

Correlation between communication behaviour and selected independent variables are presented in Table 1.

Table 1

Correlation between communication behaviour and independent variable

Si. No.	Variable	r Value
1	Extension orientation	0.2162*
2	Scientific orientation	0.1496 NS
3	Management orientation	0.2993*
4	Pattern of preference of information sources	0.3814*
5	Mass media participation	0.3076*
6	Socio-economic status	0.3096*
7	Attitude towards contact farmer system	0.5396*
8	Role perception	0.2546*
9	Role performance	0.4748*

^{*} Significant at 0.05 level NS Not significant

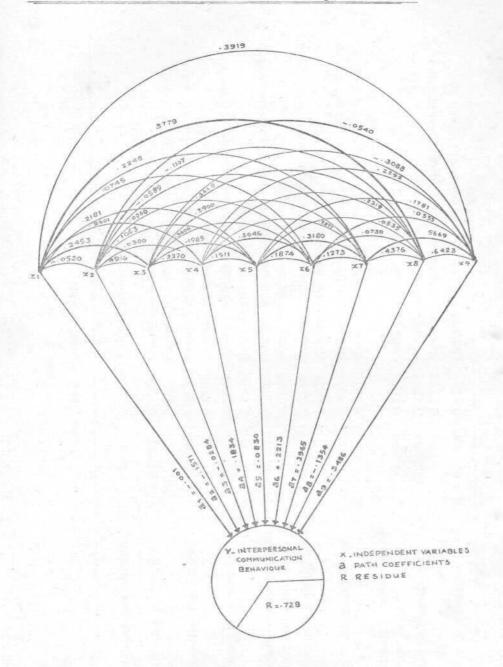
Out of the nine socio-economic and psychological characteristics studied eight characteristics were positively and significantly correlated with communication behaviour of contact farmers. Scientific orientation was the only variable which was not significantly correlated with the communication behaviour of contact farmers.

Since, intercorrelation matrix forms the basis of path analysis the intercorrefation matrix was constructed and the results are presented in Table 2.

The direct and indirect effects of the independent variables on the dependent variable ie., the communication behaviour are furnished in Table 3,

Tath ≥ 2 Intercorrelation matrix

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- Table 3
Direct and indirect effects

SI. no.	Independent variables	Direct effects	Sub	stantial indirect effect
1	Extension orientation	-0.0010	0.1366 0.0667	through role performance and through attitude towards contact farmer system
2	Scientific orientation	-0.1571	0.0675 0.0150	through attitude towards contact farmer system and through role perception
3	Management orientation	-0.0284	0.1156 0.1076	through attitude towards contact farmer system and through role performance
4	Pattern of preference of information sources	0.1834	0.0853 0,0799	through attitude towards contact farmer system and through role performance
5	Mass media participation	0.0830	0.0943 0,0621	through attitude towards contact farmer system and through role performance
6	Socio-economic status	0.2213	0,0559 0.0378	through pattern of perference of information sources through attitude towards contact farmer system
7	Attitude towards contact farmer system	0.2965	0.1976	through role performance
8	Role perception	-0.1354	0,2297 0.1297	through roleperformance and through attitude towards contact farmer system
9	Role performance	0.3486	0.1681	through attitude towards.contactfarmer system

The data clearly indicated that the role performance, attitude towards contact farmer system and socio economic status were the main deciding factors of interpersonal communication behaviour. Role performance and attitude towards contact farmer system ware having the highest and next best indirect influence on communication behaviour of contact farmer respectively.

The R value was 0.723 which shows that only 27.2 per cent of the variations in the communication behaviour of contact farmers were explained by independent variables included in the study. The path diagram showing cause and effect relationships is given in Fig. 1.

The path analysis study conducted in Trivandrum district of Kerala among selected contact farmers revealed that the variables, role performance, attitude towards contact farmer system and socio-economic status were having maximum influence on the communication behaviour of contact farmers. It is indicative of the fact that these variables are to be considered while defining and explaining communication behaviour.

The R value was 0.728. This pointed out to the fact that communication behaviour of contact farmers is too complex a phenomenon to be explained by a handful of factors. Rather, it is an outcome of the interaction between ever so-many socio-politico-psychological and situational variables.

സംഗ്രഹം

കരുടെയിടയിൽ നടത്തിയ പഠനത്തിൽ നിന്നും സമ്പർക്ക കർഷാംരുടെ കർമ നിർവ്വഹണം സാമൂഹ്യ സാമ്പത്തിക നിലവാരം, സമ്പർക്ക കർഷക പരിപാടിയോടുള്ള അഭിഭാവം തുടഞ്ഞിയവയാണ് അവരുടെ ആശയവിനിമയ സാഭാവത്തെ ഏററവും ശക്തിയായി സാധീ നിക്കുന്നത് എന്ന് മനസ്സിലായി. ആശയവിനിമയ സാഭാവത്തിന് നിർവ്വചനം നൽകു മ്പോരം മേൽപറഞ്ഞ കാര്യങ്ങരം കണക്കിലെടുക്കേണ്ടത് വളരെ (ന്വാ എന്നത് അത്യയികം സൂചിപ്പിക്കുന്നത്. കൂടാതെ കർഷകരുടെ ആശയവിനിമയ സാഭാവം എന്നത് അത്യയികം സങ്കീർണ്ണമായ ffirai പ്രതിഭാസമാണെന്നും ഏതാനും ചില ഘടകങ്ങളെ ആസ്പദമാക്കി മാത്രം അതിനെ വിവരിക്കാനാവില്ലെന്നും പാനം വെളിവാക്കി. മറിച്ച്, figmnja/l സാമൂഹ്യ, രാഷ്ട്രിയ, മാനസിക ഘടകങ്ങളുടെ പ്രതിപ്രവർത്തനത്തിൻെറ ഫലമായുളവാകു ന്നതാണ് ആശയവിനിമയ സാഭാവം എന്നും വ്യക്തമായി.

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