



## RESEARCH PAPER

# A detailed study on factors affecting the crop insurance with respect to coconut in Karur district of Tamil Nadu

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**Abstract :** Factor analysis attempts to identify underlying variables that determine the various risk coping mechanism followed and risk management strategies adopted by the farmers, and provides an empirical classification scheme of clustering of statements called factors. It is clear that among the 18 variables, only eight variables like gender, land holdings of the farmer, contact with extension agency, organic farming, livestock position, integrated farming, awareness about market information and number of days of employment in a year were found to have positive and significant correlation. Among eight variables, strategies like integrated farming, contact with extension agency, awareness about market information, and organic farming, were considered to be important factors. Among the eight factors, three factors were extracted depending on component matrix eigen values.

**Key Words :** Factor analysis, Principle component analysis, Correlation co-efficient, Rotated component matrix

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