Input Utilization Pattern in Relation to Extent of Knwledge and Profile of Rice Farmers

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ABSTRACT

The present investigation was carried out to study the relationship between profile characteristics and extent of knowledge on input usage in rice cultivation in Nellore district of Andhra Pradesh. *Ex-post facto* research design was followed with a sample size of 120 respondents. Correlation analysis revealed that, the variables education, extension contact, social participation, mass media exposure, economic orientation, scientific orientation, risk orientation, management orientation, innovativeness and net returns were positively and significantly related with the knowledge level, whereas, the variables like age, farming experience and cost of cultivation were negative and significantly related with the knowledge level of rice farmers. As per the study, the variables annual income, farm size, decision making ability and deferred gratification were non-significantly related with the knowledge level of rice farmers. Regression analysis revealed that all the seventeen selected independent variables put together explained 55.20 per cent variation in the knowledge level of rice farmers. It also revealed that farming experience though negatively significant have contributed to higher level of the variation in knowledge level of rice farmers.

Keywords: *Correlation, input usage, knowledge, profile characteristics and regression*