

Study & Comparing the Effects of Insurance & Agricultural Inputs on Rice Production in Gilan Province

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Abstract

Strategic products enjoy very high importance in agriculture and one of such products is rice. Rice is the most important foodstuff throughout the world and its annual consumption amounts to about 3 million tons. This product sustains deep damage due to natural disasters in the agriculture sector and to compensate such damage rice insurance would be highly essential. Insurance of agricultural products is one of the influential programs to support financial sources of the producer and investors in this sector which, in case of promulgation among farmers, would prove as being effective to realize goals specified in the agriculture sector. This study is to analyze effects of insurance on rice production in the farming period 1388-89 (2009-2010) and the required information have been collected from 200 rice cultivators through completion of the questionnaire and participation in the interview. The results, achieved on the basis of Cobb-Douglas function, show that areas under cultivation, cultivated seeds, urea fertilizer, amount of herbicide, manpower and, the insurance have a positive and meaningful relation with production whereas phosphate fertilizer and poison have negative relation. Therefore, it is proposed that through organizing training courses, awarding exemplary rice cultivators and proper promotion with regard to insurance, it would be further developed among rice cultivators in the region.

Keyword :

Production, Rice, Insurance, Agricultural Inputs, Production Function, Gilan Province.

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