

Investigating Sources of Product Risk for Rice Producers in Mazandaran Province

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Abstract

Food production should be increased with regard to growth in population and increase in income. Food production is subject to instabilities in production of some agricultural yields, including in the operation and area under cultivation. The main purpose of this study is to investigate production instabilities between 1983 and 2006 in four rice varieties in Mazandaran. To this end, the variance and covariance approach of accidental variables have been used.

Results showed that production of rice increased in 1991-1992 in accordance with structural change in area under cultivation. But, such an increase in production has been accompanied by instability and has increased income risk and price. Therefore, it is proposed that instability should be decreased in the long run by using different tools such as insurance of crop and appropriate management in order to access market stability.

Also, considering that the area under rice cultivation would be decreased as a result of more willingness towards urbanization and industrialization, therefore more attention should be paid to the cultivation of rice varieties, including Tarom, Khazar and Neda, improvement in production of which is more related to their yield

Keywords:

Product Risk, Income Variation, Rice, Mazandaran Province.

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