

Wanlapa Yenrayab 2007: An Analysis of Price Movement and Price Integration of Fresh Baby Corn and Its Products. Master of Science (Agricultural Economics), Major Field: Agricultural Economics, Department of Agricultural and Resource Economics. Thesis Advisor: Associate Professor Somporn Isvilanonda, M.A. 140 pages.

The study has objectives (1) to analyze the price movement of baby corn and its products and also to forecast price by using ARIMA model and (2) to analyze price integration of those prices in spatial markets by using market integration procedure. Price data of baby corn and its products during the period from January 1998 to December 2004 were used in the analysis.

The study of ARIMA model showed that each price series could be stationary at level in which they could be utilized in forecasting. The farm price related to the previous 2 last months. In the case of Bangkok market, the retail price related to non-price factor at the 2 last months, the wholesale price related to the 2 last months and was also related to non-price factor at last month. In the export market, the prices of baby corn products exported to Japan also related to its own price and non-price factor at last month, the price of fresh baby corn exported to United Kingdom related to the last months and the price of canned baby corn to United State also related to its own price and non-price factor at the previous 2 last months.

The study of market integration analysis showed that, the export prices of fresh baby corn exported to United Kingdom and Japan and the export price of canned baby corn to Japan were affected by previous wholesale price in Bangkok market.

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