

Nipa Wungsintaweekul 2007: Supply Chain of Mango cv. Nam Dok Mai for Export to Japan in Chachoengsao Province. Master of Science (Agricultural Economics), Major Field: Agricultural Economics, Department of Agricultural and Resource Economics. Thesis Advisor: Assistant Professor Boonjit Titapiwatanakun, Ph.D. 158 pages.

The main objectives of this study were to analysis production and marketing process, to study connection of farmers' with farmers group, and to analyze relationship between farmers group with company and importer, and to study problems and obstacles in supply chain in the province of Chachoengsao.

The results of study revealed that farmers adopted production process under Good Agricultural Practice conditions. The production practice was based on original farm knowledge and additional knowledge on chemical applications. Farmers production were delivered to and assembling at their group in Chachoengsao province, then there were delivered to exporting firms for further value added through vapor heat treatment process. All the treated products were exported by air transportation to Japan where the price was higher than the domestic market. This was due to the high cost of air transportation.

The study shown that the supply chain of mango for export was inefficiency, because of imperfection of information on quantity produced and quantity sold to the farmers' group which were quite different in actual practice. Farmers had to sell more than half of their production in the local market with a low price.

Based on the study, it is suggested that all processes of supply chain should be planed for production in response to consumers' demand in Japan through the development of information system. In addition, the government should conduct researches on appropriate supply chain for better production planning and distribution, so that the supply chain for export can be further expanded.

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