

Surachai Prachanai 2009: Factors Effecting Demand and Supply of Beef Cattle in Thailand. Master of Science (Agricultural Economics), Major Field: Agricultural Economics, Department of Agricultural and Resource Economics.

Thesis Advisor: Mr. Apichart Daloonpate, Ph.D. 147 pages.

The objectives of this research were to study general situations of production and marketing of beef cattle and to analyze factors affecting demand and supply of beef cattle in Thailand. Secondary data from 1982 to 2006 were used annually. Two-stage least-squares method was employed to analyze the simultaneous models.

The study results showed that beef cattle production and beef consumption had simultaneously increased. Beef import was higher than export due to domestic shortages. According to the analysis, this research found that the price elasticity of beef cattle supply was 0.019, which was inelastic. The price and income elasticities of demand for beef were 0.704 and 0.488 respectively, which were also inelastic. On the contrary, the elasticity of import demand for beef with respect to the domestic beef cattle quantity and domestic wholesale price were 3.194 and 1.162, respectively, which were elastic.

This research suggested that related government agents have policies to support production and marketing of beef cattle domestically. Such policies would be beneficial to both farmers and consumers.

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