NEW CONTRIBUTIONS OF PHD THESIS

Full name of PhD candidate: Le Van Thu
Thesis title: A study on the supply chain of farmed shrimp in Quang Nam province
Specialty: Agricultural Economics
Code: 62620115
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New contributions of the PhD. thesis

The thesis contributed to systematizing and clarifying theoretical and practice issues related to supply chain/value chain of shrimp farming industry. The thesis defined CCSPTN as a system of organizations, persons, technology, activities, information and the resources related to launching the farmed shrimp products from farmers to consumers. The operation of the supply chain is also the process of creating value to transform the resources of water, land, seed, feed, veterinary drugs... and unprocessed products, to complete products and bring them to final consumers.

The thesis studied issues related to the supply chain/value chain of farmed shrimp in the intimate relationship with economic efficiency and competitiveness of farmed shrimp. First of all, the model of supply chain analysis resulted from the perspective of integrating conventional supply chain analysis and Michael Porter’s value chain was employed to analyze the current situation of CCSPTN in Quang Nam province. This model identified the actors involved in each chain through the movement of the flows of material products constituting the structure of CCSPTN, of the flows of value creating process, finance, information and the collaboration between the involved actors in CCSPTN. The value creating process is the most important process in the chain and also the ultimate goal of the supply chain management. Analyzing CCSPTN also incorporates evaluating the groups of factors affecting the operation of the chain like: natural conditions, markets, shrimp farmers, Government and state governance agencies, supply chain management, infrastructure in the cultured areas and support services, which eventually served as the foundation for
identifying the system of evaluation criteria and research methods adopted in CCSPTN in Quang Nam province. Based on the analysis of value creating process, the thesis came up with an evaluation of the performance and economic efficiency of each actor and the whole supply chain of farmed shrimp. The thesis also pointed out limitations and shortcomings in the flows of information, the collaboration, the value creating process and irrationality in the value added distribution between the actors and clarified the causes of the loss of shrimp farmers in the process of benefit distribution. In addition, the research analyzed the key factors affecting productivity, investment efficiency of shrimp farmers – the central actors of the chain and at the same time determined the competitive advantage of farmed shrimp products, and confirmed the viability and the potentials of this industry in the context of global integration. The thesis carried out an in-depth evaluation on the negative and positive impacts of each factor having on the operation of CCSPTN in Quang Nam province, including: i) natural conditions, ii) market, iii) shrimp farmers, iv) Government and state governance agencies, v) the management of CCSPTN, iv) infrastructure in the cultured areas and support services.

Based on the analysis of the current situation of CCSPTN in Quang Nam, the thesis proposed key solutions to increase economic efficiency, competitiveness and develop the farmed shrimp industry in a sustainable manner. The focal point is to increase shrimp productivity and economic efficiency of farming households, enhancing the collaboration and information exchange to increase value added for each actor in the chain. In addition, the thesis confirmed the responsibility of state governance for shrimp farming industry in terms of planning, upgrading infrastructure in cultured area, expanding consumption markets, enhancing human resources as well as formulating policies on management and offering more support to this industry in the coming time. The thesis provided evident scientific foundation for local government units at various levels to develop strategic orientation for the sustainable development of shrimp farming industry.

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