

Poochanee Kongpet 2009: The Impact of Demand for Gasohol on Price of Cassava in Thailand. Master of Science (Agricultural Economics), Major Field: Agricultural Economics, Department of Agricultural and Resource Economics.
Thesis Advisor: Assistant Professor Prapinwadee Sirisupluxana, Ph.D. 70 pages.

Fluctuation of global oil price has urged the government to promote using gasohol as an alternate to gasoline which has led to increase in demand for cassava, raw material for production. It is therefore interesting to examine that whether and to what extent gasohol demand has an effect on cassava price. This study is aimed at exploring the production and utilization of gasohol in Thailand and analyzing the impact of gasohol demand upon cassava price in Thailand.

Data used for this study was the monthly data from 2004-2008 and analyzed by ordinary least squares method. Results of the study showed that factors influencing cassava price in Thailand were as follows: cassava demand for production of cassava chip, for production of tapioca and for production of ethanol which have positive relationship, that is, when the three factors have increased, cassava price will increase while the factor of policy relating to pledge of cassava had positive effect without statistical significance.

From the analysis, it can be seen that demand for cassava for production of ethanol will have an impact on cassava price. Therefore, the government should continue promoting the use of gasohol more systematically in order to reduce the need to import oil and fuel. In addition, the government should seek for measures for management of raw materials to avoid competition for raw material between the industry; especially food and energy industries.

Student's signature

Thesis Advisor's signature