

Sila Chamneansuk 2019: Analysis of Costs for Complying with Voluntary Sugarcane Production Standard. Master of Science (Agribusiness), Major Field: Agribusiness, Department of Agricultural and Resource Economics. Independent Study Advisor: Lecturer Nopasom Sinphurmsukskul, Ph.D. 83 pages.

This Research aims at studying the increasing cost of complying with Bonsucro standard. For this purpose, 23 sugarcane farmers who live in Thap Lung Sub-District, Ban rai District, Uthai Thani Province were randomly selected and interviewed.

Results show that the production of sugarcane can be grouped into 2 types which are : growing the new sugarcane and maintaining the ratoons. The first option has an average cost of 9,713.61 baht/rai. The average cost of ratoon maintenance is 4,847.42 baht/rai. The cost of harvesting and transportation can be separated into 5 groups: 1. The costs of harvesting and transporting fresh sugarcane by farmer themselves are 3,582.31 baht/rai 2. The costs of harvesting and transporting fresh sugarcane by outsourcing are 3,520 baht/rai 3. The costs of harvesting and transporting burned sugarcane are 2,388.74 baht/rai 4. The costs of harvesting burned sugarcane by farmer themselves and outsourcing the transporting are 3,102.83 baht/rai 5. The cost of harvesting and transporting of burned sugarcane are 2,647.19 baht/rai

Result show that the farmers in this study do not pass the Bonsucro standard according to the 7 main indicators and 6 general indicators. If the farmers were to pass the Bonsucro standard, they are going to pay for the increasing costs. According to this study, the large-scale farmers has an increasing average cost of 1,448.02 Baht/rai or 192.28 Baht/ton. The medium-scale farmers has an increasing cost about 2,339.90 Baht/rai or 246.82 Baht/ton and for the small-scale farmers the increasing cost is around 1,628 Baht/rai or 177.34 Baht/ton.

The recommendations for the sugar factory is as follows. First, the factory should provide the farmers both the technical and financial assistant. Second, the findings of this study could provide a sound basis for estimating the financial add to be provided to the farmers by the factory.

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Independent Study Advisor's signature