

TITLE	CARBON FOOTPRINT ASSESSMENT OF CANNED PINEAPPLE PRODUCTS FOR THE GREEN SUPPLY CHAIN CASE STUDY: THAI PINEAPPLE CANNING INDUSTRY CO.,LTD.
KEYWORD	GREENHOUSE GASES/ CARBON FOOTPRINT OF PRODUCT/ GREEN SUPPLY CHAIN
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ABSTRACT

The objectives of this research the study are 1) to estimate the amount of GHGs that generated from the product of canned pineapple of Thai Pineapple Canning Industry Co.,Ltd. Including to use the generally assessment by Green Supply Chain Logistics Management Scorecard. 2) to propose development, improvement or change in technology using in production process which also pointing to reduce the carbon footprint from canned pineapple products which could be led to green supply chain management. This study found out that volume of carbon footprint for producing 20 ounce of canned pineapple product is 394.44 gCO₂e, while the volume for acquiring the ingredient of canned pineapple ingredient is 359.49 gCO₂e. With in the same category, the result of this research presents that the volume of carbon footprint of producing 20 ounce of canned pineapple product comparing with one ton of fresh pineapple is approximately 147.02 kgCO₂e/ton. As a consequence, the suggestions could be made essentially in the process of acquiring ingredient especially in the use of fertilizer by agriculture. The result of generally assessment by using Green Supply Chain Logistics Management Scorecard found out that the

company ranking low in the topic of order processing and order communication and also low in the procedure of receiving order and communicating on delivery. Therefore, the company should collect information in the information system and choose environmentally conscious suppliers. In addition, the electronic information exchange system should be used to assist the firm for ordering the products according to the system forecast.

KEYWORDS: Greenhouse Gases, Carbon Footprint of Product, Green Supply Chain