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Evaluation of Key Factors, Productive Losses and Environmental Impacts in Palm Oil Production Process

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Abstract

Palm oil production is a coordinated activity that includes the execution of procedures, the application of specific techniques and processes and the integration of resources as equipments, labor, people, and materials in a way that each of them has a direct influence not only in the production, but the positive impacts of this activity as well. In this work it is applied a process of analysis, applied in a palm oil producing company located in the north Caribbean of Colombia. It is focused in the evaluation of five specific dimensions of the productive process and its resources complemented with the study of causes and effects according with Ishikawa. All of this work is intended to search for the particular conditions that determine the main loses and impacts attached with the extraction of palm oil, showing the effects of process standardization, the productive impact of the correct selection of materials, the level of education and training of people, the actual status of machinery and equipment and all the relationship between these elements over production losses, critical points of control in the process, biological, physical and social-economic impacts of extraction.

Keywords: loses, production, palm oil, Ishikawa
