In vitro Comparison of Methylene Bis (Thiocyanate) and FUBAORG as well as Their Impact on Human Health

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Chemical substances used to control pests in agricultural fields cause serious problems in public health, pesticides have been associated with severe allergies, cancer, neurological damage, genetic mutations that can lead to malformations and also recent studies have linked to bad Parkinson with some chemical pesticides. FUBAORG (Organic Fungicide and Bactericide) is an excellent alternative to mitigate this problem. It is a product made of tropical and subtropical plants, is environmentally friendly because the active ingredients of the product does not generate greenhouse gases or toxic residues in soil and water. The general objective of this project is to compare the effectiveness of Methylene bisthiocyanate (chemical pesticide) with FUBAORG (organic pesticide) by in vitro confrontations as well as the impact of both pesticides on human health. Also possible signs and symptoms of poisoning caused by direct and indirect contact with agrochemicals were determined through a survey to agricultural workers. In vitro tests to determine the efficacy of Methylene bisthiocyanate (chemical pesticide) and FUBAORG (organic pesticide) were positive since in any of the treated mediums mycelial growth was observed, this demonstrates the effectiveness of FUBAORG and how viable would be to use it in agricultural practices to replace chemical pesticides considering the serious environmental and health damages. In the surveys were detected since three to four symptoms of pesticide poisoning, that tells us that the use of these products causes severe health damage, and if this people keep overusing this chemicals these symptoms may progress to diseases as serious as cancer, so we conclude that the use of these chemicals are the epigenetic origin of a lot of current diseases.

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