

HEALTH IMPACT OF PESTICIDES USED IN VEGETABLE CROPS IN RAJASTHAN

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Received-01.08.2021, Revised-17.08.2021, Accepted-27.08.2021

Abstract: This study has analyzed the trend of pesticides' use in vegetable farming in India, and its impact in public health. This study tries to find out the increasing trend of pesticides' use in vegetable farming and its optimum impact in human health that has also focused for the protection of environmental and human health. Agrochemicals used to increase agricultural productivity have also caused many negative direct and indirect impacts on human health resulting in loss of working efficiency of labour. Pesticides are the toxic chemical that are released to environment to kill, prevent, control, repel or mitigate the population of harmful pest of agricultural, domestic and industrial setting. Pesticides serve as a modifier that works as destroying pest. farmer's and family characteristics and other variables affecting health symptoms due to prolonged exposure to pesticides; medicinal history and expenditures incurred in treating the illness of farmers particularly impacts caused by use of pesticides. Farmer's awareness of the change in health condition due to greater or prolonged use of pesticide; farm outputs and prices and income from the farm. Application of pesticide protects crop yields from pest outbreaks. It benefits farmers by controlling pest damages at the costs of damaging health and overall environmental ecology. Hence, the main objective of this study is to assess social optimal level of pesticide use in vegetables production in the Rajasthan.

Keywords: Pesticide, Insecticide, Health impact, Agrochemicals, Soil health, Vegetables

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