

## ADOPTION OF BIO-PESTICIDES AND BIO-CONTROL AGENTS

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**Abstract :** Bio-pesticides (also known as Biological Pesticides) are certain types of pesticides derived from such natural materials as animals, plants, bacteria and certain minerals, for example at the end of 1998 there were approximately 175 registered Bio-pesticide active ingredients and 700 products of bio-pesticides.

The Chemical Pesticide consumption is increasing @ 20% per annum. The pest and disease cause over Rs. 29,000 cores crop losses per annum. This situation has been caused by indiscriminate use of chemical pesticides resulting in development of resistance in pests and resurgence of minor pests. Rejection of Indian argil exports are more than Rs. 4000 cores per annum, because of very high pesticide residue contents. WHO estimates 1 million pesticide-poisoning cases and 20,000 death every year globally. This is due to high pesticide residues in food chain. Chemical pesticides cause significant health hazards like Vomiting, Paralysis, Blindness, Coma, Death, damage to respiratory tract, allergies, anemia etc.

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