

# To Study the Biological Control Agent and Physical Control Agent to Control the Insect Pest around the Sangamner Tahsil Ahnednagar District (MS)

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**Abstract:** *The biological control agent is the naturally occurring organism that control the insect pest .this agent is the part of food chain ,it included in the tropic level of food chain. In an ecosystem different organism are present in a relation eating and being eaten. In agricultural areas the crop field is affected by the large number of insect pest .this insect pest control by some naturally occurring organism , which feeds on this insect. In this area 90 percent crop field are damage by insect pest .The larva of insect is very active and voracious feeder , they feeds continuously in their life span .so to control this pest to use biological control agent and physical control agent. The physical control agent is a man made agent also used to control insect pest. This two agent used to control pest without use of any chemical or insecticides .The insecticides has large affect on the crop field as well as also show the impact on the body of other organism . This insecticides enters into the food chain and causes various diseases. The increasing prevalence of insect pests in agricultural ecosystems around Sangamner Tahsil has necessitated the exploration of sustainable pest management strategies. This study investigates the efficacy of biological and physical control agents in reducing pest populations across major crops such as sugarcane, tomato, and onion. Biological agents including Trichogramma chilonis, Beauveria bassiana, and predatory insects like ladybird beetles and green lacewings were deployed through scheduled releases and habitat management. Physical control methods such as light traps, pheromone traps, sticky barriers, and netting were integrated to monitor and suppress pest activity.*

**Keywords:** Biological control agent, Physical control agent ,insectisidess , diseases, etc

