

Producción de entomopatógenos e insecticidas botánicos para el control de la mosca de frutas y hortalizas en el departamento de Chuquisaca

Abstract

The project research is about the biological and natural control is an alternative way to control plagues and diseases, for its efficiency, low cost, readily available and generally do not pollute the environment. The objective of this project is to improve agricultural production by producing botanical insecticides and entomopathogenic tare and quinoa laboratory for fly control, pest Hortifrutícola. The methodology for the production of entomopathogenic is performed using inoculation techniques, in-vitro cultures prior isolation of pathogens from the same fly able to cause injury or death. Botanical extracts of tare and quinoa get through maceration and infusion techniques, then the biological activity of entomopathogenic and botanical insecticides be evaluated by tests in fly populations reared in the laboratory. The autocidal control is effective in controlling low fly populations at a level that does not cause economic damage, in addition to the environmental protection and health. Thus contributing improves agricultural production in the department of Chuquisaca.

Keywords: Agricultural production, entomopathogenic, insecticides, flies.