

ABSTRACT

In present world technology plays an important role in every field, either it is space or the agriculture field; everyday new changes can be seen. Technology helps to do work in simplest way possible so that human work can be made easy. Areca Tree Climbing Machine with Antifungal Solution Sprayer is one such innovation which will help the areca growers. Areca nut cultivation is the main livelihood in south coastal Karnataka and Kerala region. Areca nut farming faces many problems, fruit rot (koleroga) disease to the areca buddings mainly during monsoon seasons. In order to prevent the disease a labor should climb the tree top and should spray the anti-fungal solution manually, which should be repeated 3-4 times depending upon the intensity of rainfall every year. Presently there are no suitable machines available to spray the anti-fungal solution. Therefore an attempt is made to develop a machine that can climb the tree and can spray the solution to the areca buddings in order to ease the human efforts.