

The Rhino Shield for The Coconut Palm: An Automated Protection System for Coconut Tree

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Abstract: *This paper will provide the concept and installation of the automated Rhino Beetle Shield system, which defends coconut plants against attacks by rhinoceros beetles, are presented in this work. The system makes use of chemical sprayers that are managed by an Arduino board, poles, pumps and electrical valves. It is talked about how well the technique works to keep the coconut trees healthy and prevents beetle infestations. The Rhino Beetle Shields potential for use in agriculture is demonstrated by experimental results.*

Keywords: beetle, automated protection, Coconut tree, Arduino, chemical sprayer, agricultural technology