

Development of Low Maintenance Desert Cooler

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Abstract: *In this research paper we have discussed the utilization of a cooler for air cooling as well as refrigeration. The purpose of this paper is to design modification of the existing design of, in which aspen pad frame, wire connection box, pipe water distribution system, fruit and vegetable box is made. All the modification done for easy maintenance of desert cooler and fruit and vegetable box made Keep Fresh vegetables for long time. The proposed model is experimentally validated by conducting a series of experiments in a controlled atmosphere inside a room for fruit and vegetable box. Box is loaded with fruits and vegetables. Also the number of trial is conducted for easy maintenance of desert cooler.*

Keywords: Aspen pad frame, wire connection box, Pipe water distribution system, Fruit and vegetable box

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