

Banana Transportation

Consumer Goods & Retail

RT

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Problem

Bananas are fragile fruits and it is necessary to take multiple precautions to transport them. Unnecessary contact stresses the banana fruit as bananas are very sensitive to knocks, pressure and friction with other objects.

Solution

A Indigenous portable and dismantable channel conveyor for the field transportation of bananas. It comprises of i) a plurality of runway channels, (ii) a roller bearing wheel setup, and (iii) legs and a channel support system.

Brief description

Bananas are fragile fruits and it is necessary to take multiple precautions to transport them. From the harvesting point of the bananas up to the retail point of sale, the bunch and the bananas are placed on different means for their transportation, process and storage. The use of many transportation means demands handling of bunches which involves hand contact with the banana fruit. This contact stresses the banana fruit as bananas are very sensitive to knocks, pressure and friction with other objects. The transporting the bananas in this manner by hanging the entire bunch results in a considerable amount of damaged or lost bananas, by the time the bunch reaches the packing area. The banana bunches can swing into stationary objects while being transported, such as supports for the cableway, causing bananas to bruise or separate from the bunch. The unsuitability of current means of transport of bananas generates considerable loss, specifically during transport from the plantation to the place of sorting and packaging. The present invention is directed towards the need in the art to develop a device for transporting bunches of bananas which is portable, dismantable, flexible and simple to use. The instant invention satisfies these needs, as well as others, and generally overcomes the deficiencies found in the background art. The handling of the banana bunches through the channel conveyor of the present invention totally avoids cuts and wounds on the surface of the fruit which in turn increases the life time of a banana, especially for export.

Stage

Prototype

Market

B2C

Location

Tamil Nadu

Method of commercialisation

Sale of Product/Service



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