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Properties of Dried Cultivated Banana Using 3-Shelves Solar Oven

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Abstract

This research is studying dried banana. Using solar drying greenhouse. To compare the rate of drying Weight loss, Humidity and wet. Materials used in the experiments is Cultivated Banana. Banana Full ball and banana cut in half. The experiment compared to dry naturally with using 3-Shelves Solar Oven for a period of 3 days from the time. 09:00 to 16:00 hrs. Which records the temperature every 30 minutes, the average temperature in the incubator is higher than the ambient temperature. For drying the third floor that the rate of drying banana full ball shown maximum 1.70 grams per hour. Banana and half in the second floor shown maximum rate of drying 1.58 grams per hour. And determining the moisture content of the wet bananas of cut in half in second floor shown minimum of 12 hours and banana full ball shown minimum of 14 hours on the standard wet equal to 22 percent of drying house. The second floor is the best for drying.

keywords: Cultivated banana solar dryers moisture standard wet

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