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Shock Analysis of Lemon Fruit from Harvesting to] Lines

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After harvesting, lemon fruit are transported to packinghouses when and quality. We measured the shock that lemon fruit received during and processing stages in order to determine the causes of shock gen measured using a "dummy lemon" that contained a shock sensor im polystyrene. It was found that lemon fruit received the most frequer the packinghouses. The second highest amount of shock was receiv while the amount received during truck transportation was not espec occurrence of shock exceeding 5 G during harvesting was primarily the farmers. This shock resulted from numerous factors, such as the harvested lemon fruit are thrown into the collection basket, and the the lemon fruit from the collection baskets to shipping containers. St was mainly generated by gaps in the drying process, rotation drum f front of the light sensor and falling from the sorting line to the boxing sorting, which requires a longer brush washing time, the amount of s fruit was many times higher than that produced by the light sensor s it is necessary to improve the sorting lines in order to reduce shock.

Key Words: acceleration, apex, equator, fall, transportation

[PDF (1205K)] [References]

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