

Title Post-harvest damage and performance comparison of sweet tamarind packaging
Author Bundit Jarimopas, Dolhathai Rachanukroa, Sher Paul Singh and Rungsinee Sothornvit
Citation Journal of Food Engineering, Volume 88, Issue 2, September 2008, Pages 193-201
Keywords Post-harvest; Sweet tamarind; Packaging; Vibration test; Drop test

Abstract

The sweet tamarind is a pod, harvested ripe and usually consumed fresh. The pod consists of a shell and pulp, which encloses the seeds. The main problem with fresh sweet tamarind is the damage caused by packaging which deteriorates the fruit quality and reduces the consumable amount of fruit. This research attempts to quantitatively evaluate the damage of the sweet tamarind packaged in current wholesale and retail containers and to propose an appropriate new package. The proposed packaging is of a sleeve design, 15 cm in diameter by 20 cm in height, containing a mixture of 5 mm foam balls and sweet tamarind inserted vertically. This packaging imparts 1/5 to 1/6 of the damage of conventional packaging and costs half the price.