

Title Some Mechanical Properties of Commercial Packages of Fruit and Vegetable
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Abstract

Packages are essential to collect and transport fruit and vegetables from producer to consumer and to protect the produces from mechanical loading. This research aimed to a) categorize commercial packagings of fruit and vegetables as related to sale, b) determine tensile and compressive of strength the packagings. Testing apparatus was the Universal Testing Machine, INSTRON 5569, providing tension and compression at the standard loading rate of 25 mm/min. Results shows that wholesale packaging includes plastic bag, bamboo-made and frustum-like container (kheng), plastic crates, corrugated paper box. Retail packaging includes plastic bag, foam tray with stretch film, paperboard box, plastic box and kheng. Information on rupture force of the packagings useful for design of package stacking and palletization is given in the paper.