



EFFECT OF PVC AND HDPE PACKAGING FILMS ON THE QUALITY MAINTENANCE OF GRAPE TOMATOES DURING STORAGE

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ABSTRACT

Packaging films can present a replacement for developing fresh vegetables and fruits postharvest life. The impact of polyvinyl chloride (PVC) and high-density polyethylene (HDPE) packaging films on some qualitative such as, mechanical, physical and chemical properties of grape tomatoes were examined. Packaging films were used as protective packaging on the grape tomatoes and stored at 4°C and 20°C for 40 days. The results didn't show any significant effects from statistical points in pH and total soluble solid compared with the packaging and without packaging. The packaging films significantly prevent moisture content and weight loss, preserve maximum work for break, maximum strain and also, maintain the firmness of the grape tomatoes, improve storage characteristics and its quality. The PVC and HDPE films had remarkable effects on color parameters. On the other hand the color of the packaged grape tomatoes had less brightness and products at 4°C had less redness during storage.
