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Effects of Sucrose Palmitic Acid Ester Coating on the Concentrations of Cavendish Bananas in Relation to Respiration and Ethylene Production

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The effects of a 2% sucrose palmitic acid ester coating were studied on the carbon dioxide and ethylene concentrations of banana fruits in relation to respiration and ethylene production during storage at 20°C after treatment with ethylene for 12 h. The 2% sucrose palmitic acid ester coating on the stomatal aperture, suppressed initial respiration and decreased the

production which ultimately retarded degreening and significantly d ripening. The internal oxygen concentration of the bananas was sign reduced by the coating treatment without elevation of the internal c internal oxygen concentration significantly reduced ($P<0.01$) the rat of the coated bananas during 9 days in storage. These observations with the sucrose palmitic acid ester modified the internal atmospher suppressed initial respiration in a manner analogous to modified atr

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