

Title Effects of combined fumaric Acid-UV-C treatment and rapeseed protein-gelatin film packaging on the postharvest quality of 'Seolhyang' strawberries

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Citation Food Science and Biotechnology, 20, Number 4, 1161-1165, 2011

Keywords strawberry; 'Seolhyang'; edible film; fumaric acid; UV-C

Abstract

'Seolhyang' strawberries were treated with fumaric acid (FA) and UV-C irradiation and packed with rapeseed protein-gelatin (RG) film containing 1% grapefruit seed extract (GSE). The initial population of total aerobic bacteria in the strawberries was 2.9 log CFU/g, while that of samples treated with FA plus UV-C and packed with RG film was 1.3 log CFU/g. For yeast and mold populations, the control had 2.6 log CFU/g, while samples treated with the combined treatment had 1.0 log CFU/g. These results suggest that combined postharvest treatment and RG film packaging can be useful for maintaining the quality of 'Seolhyang' strawberries.

<http://www.springerlink.com/content/0jv61120q1546221/fulltext.pdf>