

**Title** Postharvest application of ethylene in relation to pulp woolliness  
**Authors** M.E. Rodriguez, H. Berger, L.A. Lizana  
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#### **Abstract**

Woolliness in peaches and nectarines is still a problem for stored fruit when submitted to an extended period at low temperature resulting in decreased fruit quality. This study investigated the effects of postharvest treatments with ethylene on the development of woolliness in nectarines, cv. 'Flamekist'. Two maturity stages according to California Tree fruit Agreement Chart: M1 (Code F and G, Green) and M2 (Code K and L, Yellows), were treated with 300 ppm of ethylene and stored at 2°C. Evaluations were done when fruit reached 2 lb pulp firmness. Analyses included: peel color, pulp resistance, soluble solids content, titratable acidity, pH, ethylene and CO<sub>2</sub> production and finally development of woolliness. Exogenous postharvest ethylene applications under the conditions of this experiment did not affect the incidence of woolliness. Non-significant differences were measured among treatments stored at 2°C. Reversal of the disorder was not observed. Moreover ethylene-treated fruit with or without woolliness softened at the same rate.