

Effect of Bagging for Navel Orange Fruit Quality

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Abstract

This study used different bagging materials applied in bagging treatment to evaluate the effect to the growth and quality of navel fruit. The bagging time was at September 25 and materials including white paper bag, Kraft paper bag, double black paper bag, double yellow-black paper bag, PE bag, non-woven bag. The results showed that light intensity within plastic bag was higher than other treatment, including white paper bag, kraft paper bag and non-woven bag. The light intensity within double black paper bag and double yellow-black paper bag was almost 0 Lux. The average temperature within different bagging treatment was not difference. Temperature at 12:00 within plastic bag was highest, and temperature was within double yellow-black paper bag was lowest. The skin color of navel fruit was significantly different among the treatments. Fruit characters including weight, size, total soluble solid and fruit flesh ratio were not significantly different among the treatments. The skin color of fruit in double black paper bag and double yellow-black paper bag was yellower than other treatment. The skin color of fruit in white paper bag was yellow-green. However, to select double black paper or double yellow-black paper bagging material can enhance the color of navel fruit.

Key words : *Citrus sinensis* L. Osbeck, Bagging, Fruit color, Fruit quality.

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