

## Effect of Net House Culture on Fruit Quality of Peach cv. 'Premier'<sup>1</sup>

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### Abstract

This study is attempted to compare the effect from the treatment of net house culture on the fruit quality, bird damage and pest severity of 'Premier' peach. The result of the trail were showed that net house treatment the fruit dropping rate was significantly reduced, it was 0.5% percentage and contrast fruit tree was 7.4% at the fruit development late stage. Bird damage and pest severity were significantly reduced in the net-house. In production period, net house treatment the main production period in middle May was earlier than contrast fruits in late May. In fruit quality aspect, contrast group fruits average single fruit weight were 102.7g more heavy than net house treatment 98.4g, net house treatment total soluble sugar content 12.6° Brix was significantly increased than open field bagging treatment(CK) 10.3° Brix. In fruit color, net house treatment “L” value 50.2 was less than contrast fruits 56.8, but “a” value 42.3 was significantly increased than CK 29.7, and “b” value all treatments were between 20.8 and 24.2. The naked eye can be found that fruit color dealing and there have more much peel surface fine hair in net house treatment, and the contrasting group of fruit color is comparatively pink.

Based on the above findings, peach net cultivation can increase the sugar content of fruit and fruit to avoid the insects, birds and save the harvesting of human harm.

**Key words:** Premier peach, Net house, Bird damage, Pest, Fruit quality

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