

# Studies on the Production Techniques of Loquat (*Eriobotrya japonica* Lindl.)

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## Abstract

This experiment includes four parts: dense planting, house culture, lighting treatment, shading treatment to study the availability in forcing culture of loquat.

If we adopt hedge-dense planting, we will find the quality will be the same as that of traditional culture. Due to dense planting, we do not only produce more products from per unit area, but also managed easily the tasks of the orchard such as fertilizing, weeding, sparying and so on. Furthermore, if we have automatic sprinkling system, the result will be apparently improved.

Because of house temperature is higher than outside, so we try to adopt house culture, then it will yield early and the products will contain higher sugar. But there are also two disadvantages, one is the fruit size will be smaller than outside culture, the other is that we must be aware that weather changes. Otherwise it will be injury by heat.

Lighting at night from July to August, we can also have early flower-head for mation of loquat in late August. And then the floral buds will blossom with one accord and flowering almost 100%.

At early flower blossoming, we use 70% shading net to reduce the air temperature of orchard and anticipative the lower temperature can improve fruiting of the loquat. At present, the shading treatment can apparently enhance the early flower fruiting and the amount of early fruits are enough to thinning..

**Key words:** loquat, forcing culture, dense planting, house culture, lighting, shading, hand-pollination, fruiting.

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