Studies on Harvesting time and it's Degreening and Storage of Kumquat fruit (Fortunella margerita (L.)Swingle)¹

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summary

From survey of reproductive growth and flowering habits of Kumquat around the year, there are three flowering periods, the first flowering date is from June early decade to October late decade; the second flowering date is from June middle decade to November middle decade; the third flowering date is from July early decade to December or January middle decade. When the fruit maturity indices near 60%, they needed 99 120 days or 101 124 days or 131 133 days to grow up among three flowering period, individually. The latest flowering date had the best fruit quality than others. The fruit set to maturity need days for summation of heat units was 1179.9-1348.6 --day and 1173.7-1188.7 -day respectively. So, we collected the third day,1188.4-1351.6 flowering period's fruit about 60 70% and 70 80% maturity indices treated by 1200 ppm ethylene, 35 60 seconds intervals released once, degreening temperature also maintained 26 27 . To complete degreening effect, the timing of 60 70% maturity indices fruit needed 70 hours to degreening, 70 80% fruit just needed 39 hours. To investigate the rotten percentage among different storage temperature, we found that storage at room temperature about 3 weeks had higer rotten percentage about 83.7% and 60.5% individually by 60 70% and 70 80% maturity indices fruits, Then, storage at 5 about 3 weeks had lower rotten percentage about 23.7% and 17.4%, individually.

(Key words: Kumquat, Harvesting time, Maturity indices, Degreening, storage.)

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