

Effect of different priming period on the growth and development of Atemoya fruits

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Summary

Pruning in summer or winter for Atemoya promoted the sprout to flowering. The sprouting days that pruning in June to September (5~10 days) were shorter than pruning in February to April (10~22 days). The start flowering days that pruning in February to April (31~62 days) were longer than pruning in June to September (30~32 days), and start flowering days showed negative relation with mean temperature. The period of flowering was (50~65 days) longer and the amount of flowers were more which pruning in February to April than pruning in June to September. And the flower numbers were decreased with month. The period of flowering showed positive relation with rainfall days, sun hours and solar radiation. The growth curve of fruits appeared double S. The harvest of winter fruits were 120~160 days after anthesis, and the harvest of summer fruits were 110~140 days. The rate of split fruits was higher in summer than harvest in winter, and the percentage of split fruits showed positive relation with mean temperature.

Keywords: Atemoya, Climatic factor, Pruning, Split fruit

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