

Study on the Adaptation of Early Varieties Loquat at Taitung Area

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Abstract

The purpose of this study was to evaluate the adaptation of early variety loquat at Taitung area. The results showed that the flowering rate of Nagasakiwase and Chao-Chung No.6 both had been over 90% than Mozi variety. The average fruit weight of Chao-Chung No.6 were 45.3 gram and 49.5 gram at Beiuan and Taimali area respectively larger than Mozi. Nagasakiwase and Chao-Chung No.6 had harvested in January and February, while about one month earlier than Mozi. Nagasakiwase had high flowering rate, early mature and small fruit weight, but at Taimali area the fruit can get 35.2 gram. Chao-Chung No.6 also had high flowering rate and early mature characters, but the variety had higher rate of fruit cracking and purpura. There were no difference in total soluble solids content among three varieties. The results suggested it better to cultivate Nagasakiwase loquat above 500 meters sea level at Taitung area.

Key words: loquat, total soluble sugar content, fruit scar shoot, altitude.

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