

Title Research Progress in Postharvest Diseases of Longan Fruit and Their Control
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Abstract

Longan (*Dimocarpus longan* Lour.) is a famous subtropical fruit species in South China. Since longan fruit mature during the hot and humid August/September in China, the fruit deteriorate rapidly after harvest due to pericarp browning, aril breakdown and fruit decay, and fruit decay which was brought about by the action of postharvest diseases is one of the most important problems for keeping-quality of longan fruit. Postharvest diseases of longan fruit were caused by the pathogen invaded before harvest and the postharvest saprophytic pathogen. At present, one of the measures for control of longan postharvest diseases is to control diseases indirectly by physiologic regulation. The other measure is to control diseases by the use of fungicides. However, postharvest fungicides are not readily available in all growing areas to control longan fruit diseases. Furthermore, they are not desirable for consumers, and many countries no longer registered as postharvest chemicals due to potential oncogenic risks. Thus, the alternative means such as biological control and plant extracts for longan postharvest diseases control are needed.