

Title Effect of Modified Atmosphere Storage of Cut Rose
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Citation Proceedings of the 9th Conference of Thai Society of Agricultural Engineering 2008, The Imperial Mae Ping Hotel, Chiang Mai, Thailand, 31 January – 1 February 2008. 203 p.
Keywords Rose; Storage; Modified Atmosphere

Abstract

Study on effect of modified atmosphere storage of cut rose (*Rosa hybrida* L.cv.Red Gala) by used initial ratio of O₂ at 1 % : CO₂ at 0.7 % and compared with normal atmosphere storage (O₂ 21 % : CO₂ 0.03 %). All treatments were used along with low temperature storage at 2 °C and 95 % relative humidity. Results revealed that, cut rose that was stored in modified atmosphere had storage life of 35 days. However cut rose that was stored in normal atmosphere had storage life of 7 days. In addition to cut rose that was stored in modified atmosphere after 35 days and held in distilled water at room temperature can had qualities, such as water uptake, fresh weight, chlorophyll content, anthocyanin content and freshness difference significantly with cut rose in normal atmosphere storage.