

Title Extension of Storage Life of Lime (*Citrus aurantifolia* Swingle) by O₂:CO₂ Flow Rates and Packaging Materials

Author Somchai Glahan

Citation Proc. Of the 1st KMITL International Conference on Integration of Science & Technology for Sustainable Development, Bangkok, Thailand. 25-26 August 2004. Vol.2: 98-102.

Keyword: lime; packaging; MAP

Abstract

After storage percent fresh weight loss and TSS content slightly increased whereas TA content normally decreased as storage increased. Lime storage in PE bag+ O₂:CO₂ 20:25 PSI gave the highest fresh weight lost of 1.81 percent while the highest TSS content received from lime stored in PE bag of 7.86 brix + O₂:CO₂ 0:0 PSI. Lime stored in PE bag + O₂:CO₂ 20:25 PSI showed the most TA content of 7.42 percent while the least of 6.48 percent found from lime stored in PE bag + O₂:CO₂ 5:10 PSI. The longest and shortest storage life received from lime stored in PE bag + O₂:CO₂ 10:15 PSI and lime stored in LDPE bag + O₂:CO₂ 20:25 PSI with the mean of 80.66 and 13.33 days respectively and showed significantly difference.