

Title Involvement of spermine and S-adenosylmethionine decarboxylase in postharvest longevity of cut rose flowers

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Abstract

To examine the possible involvement of polyamines on the postharvest longevity of cut rose, the endogenous polyamine levels, ethylene production, the polyamine on the postharvest longevity and the change of S-adenosylmethionine decarboxylase (SAMDC) were analyzed in the cut rose flowers and leaves. Putrescine was the major product among analyzed polyamines in flowers and leaves in two different cut rose cultivars, 'Cardinal' and 'Vital', and rapidly decreased in 3 days.