

Title Effect of six apple rootstocks on storage span of apple cv. "Golab Kohanz"
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Abstract

The effect of five vegetative apple rootstocks and one rootstock growing from seed of "Golab Kohanz" was studied on postharvest quality and storability of apple cv. "Golab Kohanz" for four months in cold storage at normal air of 2°C with 85% relative humidity for 9 years old tree fruits. Fruits of trees grafted on M9, B9, M26, MM106, MM111 and "Kohans" (a commercial rootstock for "Golab Kohanz") were tested at the Agricultural Research Station in Semi rom (31° 25' Nand 51° 34' E, Iran). The effect of rootstocks was studied in the form of randomized block design. Results indicated that varying apple rootstocks had significant influence on storage life of apple ,during storage. After four months of storage at 2°C, percentage of weight loss was high (5.46%) in fruit grafted on B9 rootstock and least in fruit grafted on MM106 (3.71%). After four months storage period, reduction in other fruit quality i.e. percentage of juice, TSS, titrable acidity (TA) and fruit firmness were almost minimum in fruit grafted on MM106 as compared to those grafted on other rootstocks.