**Title** Effects of thiabendazole on the storage life of 'Persian' lime

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## **Abstract**

This study was conducted to determine the effect of TBZ on the shelflife of 'Persian' lime at Agricultural Research Center of Safiabad in south west of Iran. For this purpose, fruits were immersed in TBZ in three concentrations (1000, 1500 and 2000 ppm) immediately after harvest and then stored at 10°C and 85% relative humidity for 4 months. TBZ effects on juice content, total soluble solids, fungal decay, weight loss and pH of juice were studied at monthly intervals throughout the storage period.

The results indicated that the percentage of weight loss was significantly less in fruits treated with 1500 ppm TBZ (4.84%) and 2000 ppm TBZ (3.95%) compared to control fruits (7.48% - 8.53%) at the end of the storage period. Also it turned out that the TBZ was able to control the fruit decay and shelflife of 'Persian' lime fruits and those treated with 1500 ppm at 10°C was increased significantly for 4 months.