

## Effects of Carbon Dioxide on the Organoleptic Properties of Hazelnut

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**Abstract :** Carbon dioxide treatment is one of the new methods for storage pest control. It can be used to replace chemical approaches for postharvest. Hazelnut has a considerable share in the annual exports of Iran. In the present study, hazelnut was studied after being exposed to different CO<sub>2</sub> pressures (0.1-0.5bar) within 24 hours. Changes in organoleptic properties (colour, firmness, aroma, crispness, and overall acceptability) during fumigation were studied. The results showed that the sensory evaluation showed that carbon dioxide had no effect on the qualitative characteristics of hazelnut.

**Keywords :** carbon dioxide, hazelnut, qualitative characteristics, organoleptic

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