**ABSTRACT**

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The common bean is a important component in the diet of the average Brazilian person. Each harvest of beans, losses occur due to attacks of insects and rodents. One of the way to preserve the beans, and the same time keep its nutrition characteristics, is the use of gamma radiation. This study aimed to evaluate the effects of different doses of gamma radiation on the physical and chemical properties of the variety of common beans subject to cooking of soaked and unsoked beans.

Keywords: Carioca beans. Soaked. Ionizing radiation. Cooked.