

Gamma irradiation induced variability in qualitative and quantitative traits in onion (*Allium cepa* L.)

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ABSTRACT : Dry seeds of onion (*Allium cepa* L.) were exposed to five different doses (2-12kr) of gamma radiations. The data on various quantitative as well as qualitative characteristics were recorded in M₂ generation. The results obtained indicated that the physical mutagen, gamma radiation have potential to induce variability and to improve quantitative and qualitative characteristics in onion. Among all the doses of gamma radiation, lower doses were more effective than the higher doses.

Key Words: Gamma radiation, quantitative and qualitative characters, variation, onion.