



## Research Paper

### Article history :

Received : 19.02.2013

Revised : 19.03.2014

Accepted : 06.04.2014

# Effect of PGR and boron on seed quality during storage in bitter gourd (*Momordica charantia*) cv. PUSA VISESH

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**ABSTRACT :** An experiment was conducted to investigate at the effect of PGRs and boron on seed longevity at the Department of Seed Science and Technology, College of Agriculture, Raichur. The field experiment obtained seeds were subjected to ambient storage condition. Results revealed that the moisture content increases gradually as storage period increased in all the treatments. Boron at 4 ppm maintained lower moisture content of seed (7.07 %, 7.19 % and 9.16 %), seed germination (88.50 %, 91.00 % and 85.50 %), root length (13.31 cm, 13.99 cm and 13.43 cm), shoot length (7.96 cm, 8.50 cm and 8.17 cm) and speed of germination (19.17, 19.49 and 18.23) at the end of first, third and twelve months after storage, respectively.

**KEY WORDS :** Bitter gourd, Seed quality, Boron, Storage

**HOW TO CITE THIS ARTICLE :** Arvindkumar, P.R., Vasudeva, S.N., Patil, M.G. and Umesha (2014). Effect of PGR and boron on seed quality during storage in bitter gourd (*Momordica charantia*) cv. PUSA VISESH. *Asian J. Hort.*, 9(1) : 18-23.