



## Effect of Pre-sowing Seed Treatments and Time of Sowing on *Terminalia chebula* Retz. in the Nursery

**Samanpreet Singh and Kamal Sharma**

*Dr Y S Parmar University of Horticulture and Forestry, Nauli, Solan-173 230, India*  
*E-mail: samanpreet3000@gmail.com*

---

**Abstract:** This study included three pre-sowing treatments (control, seeds soaking in sulphuric acid and mechanical breaking of seed coat) at different sowing times (March, June and July) for seed germination and seedling growth of *T. chebula*. The highest rate of germination (40.83%) was observed in mechanical breaking of seed coat and the lowest (18.33%) was found in control. The growth parameters like shoot length, root length, number of leaves, total dry biomass, and root-shoot ratio recorded optimum and substantially higher in mechanical breaking as compared to others. Considering the practicality of the nursery growing technique of the species, mechanical breaking and seed soaking in sulphuric acid for few minutes revealed the best pre-treatment choice obtained in this study for large-scale plantation programmes.

**Keywords:** Germination, Seedling, Fruit, Biomass, Nursery, Parameters

---