

SEEDLING BEHAVIOUR AND EARLY GROWTH STATUS OF SEEDLINGS IN *THEVETIA PERUVIANA* (PERS). K. SHUM

YASHWANT RAI

Department of Botany, D.N. College, Meerut, Uttar Pradesh, India

ABSTRACT

Polyembryony is one of the abnormalities of seedling, which produce more than one seedling from single seed. This could be due to some developmental errors that occur in the seed or embryos developing from additional embryo sacs in an ovule. *Thevetia peruviana* have only one embryo per seed and it produced into one seedling. I had recorded 40% polyembryony (showed twin, triplet, four and five seedlings from single seed) and 50% normal seedlings in *thevetia peruviana*. Total germination of 90 per cent was recorded in *T. peruviana* within 21 days from date of sowing. These are study parameters, germination percentage, seedling behaviour and early growth status in *Thevetia peruviana*. All polyembryony seedlings survival at early growth stages of development in *T.peruviana*. It is new research survival of polyembryony seedlings. I had recorded first time survival polyembryony seedlings in *T. Pervuiana*. This research utility in various fields such as forestry, environment, genetics and embryology.

KEYWORDS: *Thevetia peruviana*, Polyembryony, Seedlings