

740. Puri, D.N., Mathur, H.N., Joshie, P., Vishwanatham, M.K. and Gupta, R.K. 1980. Introduction and screening of *Eucalyptus* species for Doon Valley. Abst. 116, National Symp. on Soil Conservation and Water Management in 1980's, Dehradun, March 12-13, 1980.

Eleven *Eucalyptus* species were evaluated at Dehradun. During the period of study (1968 to 1979), the mean annual rainfall was 1539 mm. In survival range of 80 to 90%, *Eucalyptus torulina* (4 years age) has shown maximum growth in height (549 cm) and DBH (6.47 cm) followed by *E.hybrid* (also 4 years old) (height 509 cm and DBH 3.91 cm). *Eucalyptus camaldulensis* (10 years) has shown 631 cm height and 7.89 cm DBH. In survival range of 50 to 60%, *E.rostrata* (10 years) showed 705 cm height and 4.70 cm DBH. *E.leucoxylon*, *E.radiata*, *E.rudis* and *E.dumosa* have shown less than 20% survival. Out of three pit sizes tried (30 cm³, 45 cm³ and 45 x 45 x 60 cm), 90% survival was recorded in 45 x 45 x 60 cm pits.