

Thesis Title                      Factors Affecting Growth and Development  
   of Tamarind      (Tamarindus indica Linn.)  
   Seedlings.

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### Abstract

A foliar application of urea to tamarind seedlings indicated that the concentration of 0.5 per cent seemed to be the best on growth and dry matter accumulation than other treatments, but there was no statistically significant difference. However, the soil application of ammonium sulphate at the rates of 4, 6 and 8 gm./plant showed severely toxicity to the seedlings grown in 6 x 10 inches bags.

The growth and dry matter accumulation of the seedlings were preferable at 30 and 50 per cent of light intensity. The seedlings grown in 5 x 8 " and 6 x 10 " plastic bags had no statistically difference on growth.

The  $GA_3$  had no significant effect on the seedling growth and dry matter accumulation at any concentration rates of 0 - 250 ppm. The different seed weights of 0.86 - 0.95 1.01 - 1.10 and 1.16 - 1.25 gms per seed had no statistically difference on growth and development of the seedlings.