Establishment and Management of *Erythrina subumbrans* for Animal feed

1. Effect of NAA–Hormone on Seedling Growth and The Effect of Seedling Age on Survival Rate of *Erythrina subumbrans* Propagated by Cutting Stock*

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Abstract

The effect of NAA–Hormone (L-Naphthyacetic acid) on growth of *Erythrina* cutting stock was studied at Chiang Yuen Animal Nutrition Station. Cuttings were dipped into different concentrations of the NAA–hormone for 30 seconds before planting in plastic bags. Control cuttings were dipped into distilled water. No difference on shoot, root or leaf growth of the cuttings was observed between the NAA–hormone treatments of 1,000, 5,000 and 10,000 mg/L. Growth and survival rate of *Erythrina* plants established from seedlings at different ages were also studied. After 48 weeks, it was found that seedlings transplanted at 4 and 5 months of age had a significantly higher survival rate than that of seedlings transplanted at 2 and 3 months of age. Survival rates for *Erythrina* plants grown from seedlings 2, 3, 4 and 5 months of age were 87.5, 85, 97.5 and 97.5 percent, respectively.

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