Agriculture Update
Volume **12** | TECHSEAR-10 | 2017 | 2693-2696
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e ISSN-0976-6847

RESEARCH ARTICLE :

Effect of integrated plant nutrition system on nutrient uptake of *Dalbergia latifolia* (Rose wood) seedlings

B. PALANIKUMARAN, R. THIRUNIRAI SELVAN AND M.R. BACKIYAVATHY

ARTICLE CHRONICLE :
Received :
11.07.2017;
Accepted :
25.08.2017

SUMMARY : The study was conducted at Forest College and Research Institute, Mettupalayam, to know the effect of organic manures and inorganic fertilizers on nutrient uptake of the *Dalbergia latifolia* seedlings. Among the fourteen different treatments, the treatment with 100 mg of N, 200 mg of P_2O_5 and 100 mg of K_2O along with vermicompost (5g), Azophos (10g) and VAM (5g) per seedlings showed significantly maximum shoot and root N, P and K uptake (nitrogen shoot uptake 0.81 mg per seedling and root uptake 0.48 mg per seedling, phosphorus shoot uptake 0.24 mg per seedling and root uptake 0.276 mg per seedling, potassium shoot uptake 0.93 mg per seedling and root uptake 0.69 mg per seedling). Nutrient uptake values in control were remarkably low throughout the seedling growth.

How to cite this article : Palanikumaran, P., Selvan, R. Thirunirai and Backiyavathy, M.R. (2017). Effect of integrated plant nutrition system on nutrient uptake of *Dalbergia latifolia* (Rose wood) seedlings. *Agric. Update*, **12** (TECHSEAR-10) : 2693-2696.

KEY WORDS :
Dalbergia latifolia, Uptake, Fertilizers, Nitrogen, Phosphorus, Potassium

Author for correspondence **:**

B. PALANIKUMARAN
Department of Agroforestry, Forest College and Research Institute,
METTUPALAYAM (T.N.) INDIA

See end of the article for authors' affiliations