

**B-107 : EVALUATION OF ENRICHMENT PLANTING TRIALS FOR  
SOME TREE SPECIES IN BUFFER ZONE PINE PLANTATIONS OF  
THE SINHARAJA MAB RESERVES**

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Strips of different replicated widths were cut within a 15 year old *Pinus* plantation in July, 1991. Nine commercially important tree species were planted across and adjacent to the strips, and in understory conditions. Over the course of one year, mortality and height growth were monitored.

Species were grouped into plantings that evaluated their potential for restoration and for production. In the restoration plantings the indigenous species (*Mesua ferrea*, *Shorea disticha*, *S. megistophylla*, *S. stipularis*, *S. trapezifolia*) included those trees that

dominate the *Mesu-Shorea* forest type. Results showed all had lower mortality and higher growth in locations that were not that of understory conditions. Different species performed best in light regimes of particular strip widths.

In the production planting, species tested were *Caryota urens*, *Dipterocaropus zeylanicus*, *Pericopsis mooniana*, and *Sweitenia macrophylla*. Similar results were found as compared to the restoration plantings.

Findings have direct relevance to the construction of enrichment planting guidelines in *Pinus* plantations for the lowland wet zone of Sri Lanka.

We acknowledge support from Norwegian Aid, administered by the Ministry of Environment grant No.200/11.

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