

## The Propagation and Cultivation Trial of Leatherleaf Fern

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### Abstract

Leatherleaf fern, a sciophyte, requires shade for commercial production. Desired shade level, according to the ferneries located, must be adjusted properly. The results of cultivation trial in Taitung district show that 80% shade level had superior cut leaf yield, leaf length, leaf width and leaf weight to 40% shade level. There have significant difference between them. Low shade level may cause the leaf color yellow, the short cut leaf, and no economical value.

Tree fern debris is the best germination for leatherleaf fern propagation by using spore. The best time for leatherleaf fern spore sowing is autumn in Taitung district because high summer temperature can affect the Prothallium growth and cause it browning even dying.

**Key words:** Leatherleaf fern , Propagation , Cultivation.

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