

Studies on Cultivation Technique of Nest Fern¹

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Summary

The purpose of this research was to find out the effect of appropriate cultivation distance, leaf numbers in reserve and fertilizer utilization on nest ferns. The distance between lines is fixed as 60 centimeters in the spacing experiment for growing nest ferns. The results are— edible leaf numbers and quantities of 40cm spacing treatment were better than the 50cm and 60cm. The edible parts of leaves had better quality in 50cm spacing treatment. A plant reserved 10 leaves has more leaves and higher production. Taiwan-Fertilizer special No.1 granular leather powder, one kind of organic manure, is employed in our fertilizer experiments. and its results are— Blocks using such fertilizer 1200 kilograms each hectare get the most numbers of leaves, Blocks using this fertilizer 800 kilograms each hectare get the highest production and the heaviest edible leaf weight. Harvester organic fertilizer 500 kilograms applied on fern's tip get good yields and the most numbers of leaves.

(key words : *Asplenium australasicum* (J.Sn.) Hook., organic fertilizer, planting density,)

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