

SUMMARY

Evaluation of fertilizer doses, in early development of *Myrmecophila grandiflora* (Orchidaceae) in green house cultivation

In order to offer new ornamental crops alternatives to Central Veracruz region producers, from September 2012 to June 2013, at en Peñuela, in de Amatlán de los Reyes municipality, Veracruz there were evaluated five commercial fertilizer doses of Solucat[®] 20-20-20: 0 mg L⁻¹, 50 mg L⁻¹, 100 mg L⁻¹, 150 mg L⁻¹ and 200 mg L⁻¹. Growth of the wild orchid *Myrmecophila grandiflora* (Lindl.) in plantlet stage was evaluated. Results showed that 100 and 200 mg L⁻¹ induced the highest number, width, lenght and thickness of leaves, as long as pseudobulbs per plant; however, plantlets development was slow, because they were in a very early developmental stage, which limited their ability to respond rapidly to the nutrimental support provided by the nutrient solution, coupled with the climate region conditions, that are not appropriate for the optimal development of the species.

Key words: Orchid, *Myrmecophila grandiflora*, Solucat[®] fertilizer 20-20-20, growth, leaves, pseudobulbs.