

Numidian fir tree (*Abies numidica*) role in the restoration of high mountain areas in Algerian forests

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Abstract

The Numidian fir tree (*Abies numidica*) can play a significant role in the restoration of high mountain areas and the colonization of limestone terrains, as well as in environmental protection. The aim of this work is to study the plant and forests of the Numidian fir tree and to explore its cultivation methods and conditions, including the propagation of this plant *in situ* (Djebel Babor) and *ex situ* (Tiner Wlad Saber Nursery in Sétif). It is important to note that micropropagation is a specialized technique that requires specific skills and adequate facilities, including a well-equipped tissue culture laboratory. We have learned from individuals involved in the project that approximately 1500 Numidian fir tree seeds were planted, and among them, 800 trees have survived and grown successfully in the Setif region. This represents an estimated success rate of 53.33%.

Keys words: Sapin Numidie, *Abies numidica*, Propagation, Djebel Babor.

