

**EFFECTS OF DIFFERENT SUBSTRATES ON ACCLIMATIZATION OF *ECHINODORUS*  
*IN VITRO* PLANTS IN GREENHOUSE CONDITIONS**

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**REFERENCES**

- Benoit F., Ceustermans N. (1990). The use of recycled polyurethane (PUR) as an ecological growing medium. *Plasticulture*, 88: 41-48.
- Bik A. R. (1973). Some thoughts on the physical properties of substrates with special reference to aeration. *Acta Horticulturae*, 31: 149-160.
- Boehme M. (1994). Effects of hydroponics on the development of cucumber growing in ecologically suitable substrates. *Acta Horticulturae*, 361: 133-140.
- Borchard B. (1991). Use of artificial substrates for *in vitro* propagation. *In: Bajaj Y. P. S. (Ed.). Biotechnology in Agriculture and Forestry, Vol. 17, Springer Verlag, Berlin: 270-284.*
- Debergh P. C. (1991). Acclimatization techniques of plants from *in vitro*. *Acta Horticulturae*, 289: 292-300.
- Iliev I., Kitin P., Funada R. (2001). Morphological and anatomical study on *in vitro* root formation of Silver birch (*Betula pendula* Roth). *Propagation of Ornamental Plants*, 1: 10-19.
- Maene L. J., Debergh P. (1987). Optimalisation of the transfer of tissue cultured shoots *in vivo* conditions. *Acta Horticulturae*, 212/2: 335-348.
- Murashige T., Skoog F. (1962). A revised medium for rapid growth and bioassay with tobacco cultures. *Physiologia Plantarum*, 15: 473-479.
- Pinker I., Jesch H.-H., Klausch A. (1995). Bewurzelung und Akklimation *in vitro* vermehrter *Tilia cordata* 'Wega' Sprosse. *Gartenbauwissenschaften*, 60 (6): 253-258 (in German).
- Roberts A. V., Smith E. F. (1990). The preparation *in vitro* of *Chrysanthemum* for transplantation to soil. 1. Protection of roots by cellulose plugs. *Plant Cell, Tissue and Organ Culture*, 21: 129-132.