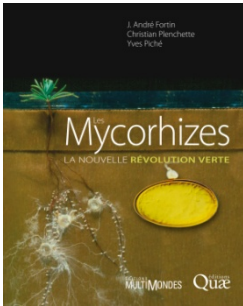


28. Non-Fiction – Horticulture

LES MYCORRHIZES / MYCORRHIZAS by J. André Fortin, Christian Plenchette, and Yves Piché



Mycorrhizas are a symbiosis formed by soil-borne fungi and plant roots – together they work wonders in horticulture. The fungi enhance plant nutrient and water uptake from the soil, and even help plants adapt to different environmental stresses. In exchange, the plants supply mycorrhizal fungi with carbon fixed using energy from the sun.

In recent years, numerous scientific studies have clearly highlighted the fundamental role that mycorrhizal fungi play in the growth and survival of the majority of plant species, whether they are in natural ecosystems or in those managed by man. However, in spite of the undeniable evidence provided by repeated scientific studies, the majority of horticulturalists, agriculturalists, sylviculturalists and environmentalists, still have only a limited understanding of the importance of mycorrhizas. This major knowledge gap must be bridged before mycorrhizal fungi can fully realise their potential to enhance sustainable plant production.

It was with this in mind that the authors – all World leaders in the field of mycorrhizal research – set about preparing this book. Their aim was to help everyone understand the biology of mycorrhizal fungi and the fascinating mycorrhizas that they form with plant roots. This book clearly shows how we can benefit from using mycorrhizal fungi in diverse aspect of plant production, while respecting the delicate balance of nature. (Book published in French)

J. André Fortin has lectured at *Université Laval* (Canada), where he founded the *Centre de recherche en biologie forestière*, and at the *Université de Montréal* (Canada), where he founded the *Institut de recherche en biologie végétale*. His research on mycorrhizal fungi, which spans over 50 years, has brought him international recognition.

Christian Plenchette is director of research at the *Institut National de la Recherche Agronomique* (INRA) in Dijon (France). Over the last 30 years, he has studied the arbuscular mycorrhizal symbiosis from an agricultural perspective. **Yves Piché** is a lecturer in mycology at *Université Laval* (Canada). While he is interested in the general role that fungi play in maintaining the balance of nature, his research has, since the outset, focused on the different factors that lead to the formation of mycorrhizal symbioses. Today, he uses molecular techniques to gain a better insight into the biodiversity of mycorrhizal fungi.

- Multimondes, 2008
- 148 pages, 16,5 X 20,5 cm
- \$24,95 Paperback