Silvicultural principles, phases and measures in growing valuable broadleaved tree species

A. Oosterbaan, E. Hochbichler, V.N. Nicolescu and H. Spiecker

Summary
Valuable broadleaved tree species can play an important role in economic forest management of today and the future. Besides good genetic characteristics and a suitable site, silvicultural treatment plays an important role in getting timber with a high value. In traditional silviculture trees are planted or regenerated and grown with a high stemnumber per hectare. In this way long knotfree boles can be achieved within a rather long rotation time. Approximately the same amount of valuable timber can be achieved in a relatively short rotation period by low tree numbers per hectare and pruning. The same principles can be used for treatment of individual trees in mixed forest stands.