

The collection of *Magnolia* species in Arboretum Mlyňany SAS

Introduction and conservation

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Introduction of *Magnolia* species to Arboretum Mlyňany



Arboretum Mlyňany belongs to the best known collections of woody plants in Slovakia. Its gene pool consists of 12 *Magnolia* species, some hybrids and many cultivars too. From Asian species were introduced Lily Tree (*M. denudata* Desr.), Japanese Willow-Leaf Magnolia (*M. salicifolia* (Sieb. et Zucc.) Maxim), Lily-flowered Magnolia (*M. liliiflora* Desr.), Medicinal Magnolia (*M. officinalis* Rehd. et Wils.), Seybold's Magnolia (*M. sieboldii* Koch.), Japanese White-bark (*M. hypoleuca* Sieb. et Zucc.) and *M. kobus* DC. Collection of American species contains Southern Magnolia (*M. grandiflora* L.), Sweet Bay (*M. virginiana* L.), Bigleaf Magnolia (*M. macrophylla* Michaux.), Cucumber Tree (*M. acuminata* L.) and Umbrella Tree (*M. tripetala* L.).

Introduction of *Magnolia* species in to Arboretum Mlyňany started at the beginning of the 20th century and last up to now.

To conserve *Magnolia* species are used:

- gene bank of tissue culture
- seed storage
- seed's exchange Index seminum
- expeditions

Asian species

American species

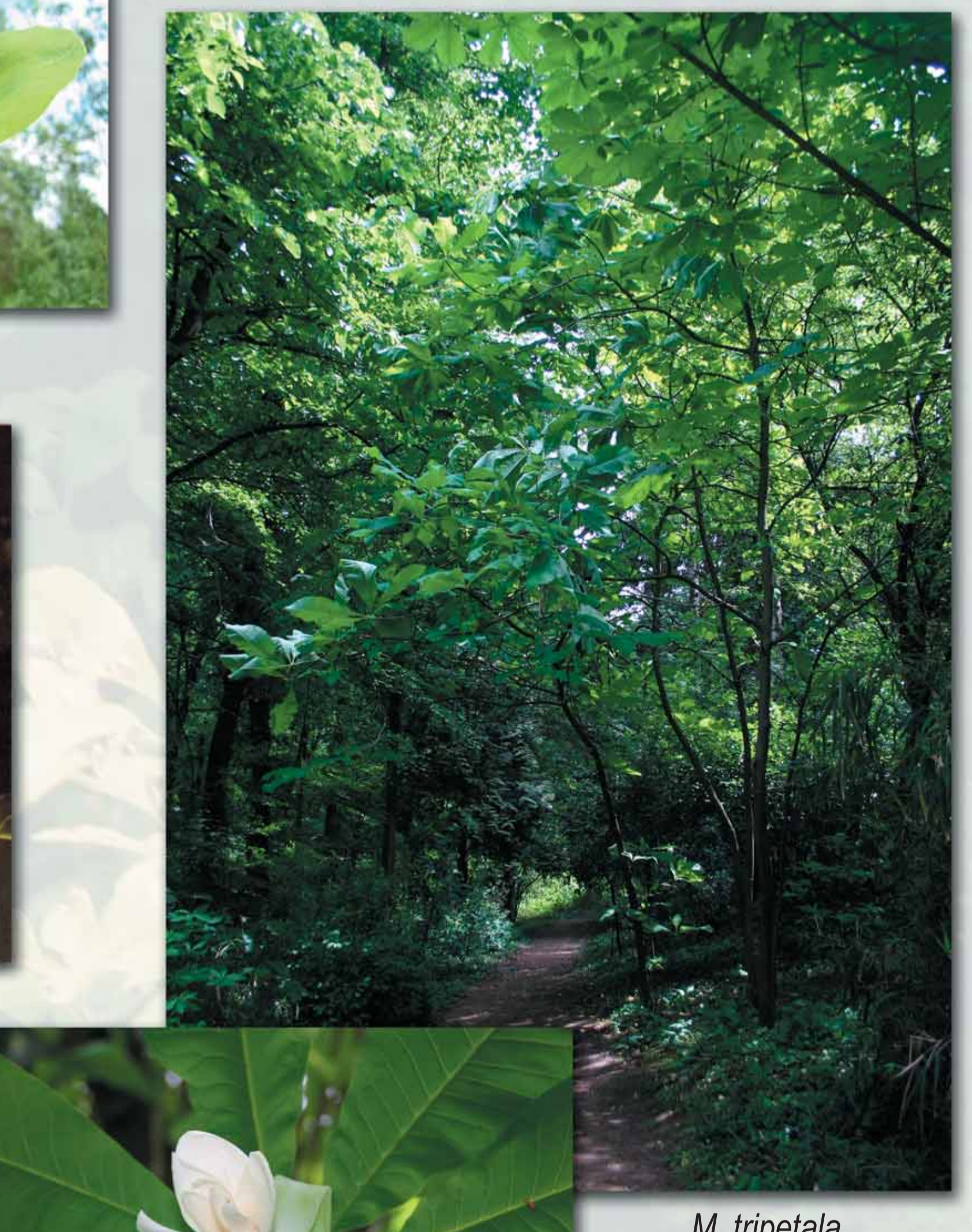


Table 1. Proportional representation of *Magnolia* sp. in Arboretum Mlyňany SAS

Origin	No. of Taxa	No. of Specimen
North America	5	12
Asia	7	18
Hybrids and Cultivars	7	14

Conservation of *Magnolia* species by tissue culture

