

Reproductive biology in species of the genus *Nothofagus*

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The reproductive systems of three species of *Nothofagus*, *N. dombeyi* (Mirb.) Oerst., *N. nitida* (Phil.) Krasser and *N. obliqua* (Mirb.) Oerst. (Fagaceae), were studied in their natural forest habitats in Valdivia, Chile, using controlled manual pollination, as well as auto- and cross-pollination methods. The three species, which are monoecious and anemophilous, flower and form fruit between September and February. They are highly self-incompatible and the formation of seeds under natural conditions is infrequent. In cross-pollination tests, however, the frequency of seed formation could be increased. The results of these tests have also been analysed in relation to climatic factors.

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