

濒危植物南方红豆杉种群生命表及谱分析

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收稿日期 修回日期 网络版发布日期 2007-12-7 接受日期

摘要

Based on the investigation in Longxi Mountain National Nature Reserve and the theory of survival analysis, a static life table of *Taxus chinensis* var. *mairei* population was worked out, the curves of its survival rate, mortality rate and killing power were drawn, and the population dynamics was analyzed by spectral analysis. The results showed that the survival curve of the population appeared to be a type of Deevey-III, and the high mortality of seeding was one of the important reasons which caused *Taxus chinensis* var. *mairei* to be endangered. The spectral analysis of the population showed that there was a marked periodic regularity in the process of natural regeneration of *Taxus chinensis* var. *mairei*.

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