

ESTABLISHMENT OF THE SITE-INDEX TABLE FOR  
*PINUS TABULAEFORMIS* PLANTATION AND  
THE RELATIONS BETWEEN THE GROWTH OF *P.*  
*TABULAEFORMIS* STANDS AND THEIR SITE FACTORS  
IN JIULONG MOUNTAIN AREA, BEIJING

Lan Zaiping

(The Research Institute of Forestry CAF)

**Abstract** Jiulong Mountain is a part of the low mountainous area in the western suburb of Beijing. A comprehensive investigation was made on the growth of dominant trees of *Pinus tabulaeformis* plantation stands distributed in various site in Jiulong Mountain area. The site-index table for *P. tabulaeformis* plantation in this area was made. Meanwhile, the relations between the growth of the *P. tabulaeformis* dominant trees and their site factors such as altitude, aspect, slope, form of stope surface, characteristics of soil etc. were analyzed with the multiple linear progressive regression. It was pointed out that the thickness of soil layer and the soil moisture were the limiting factors that affect upon the growth of *P. tabulaeformis* plantation in Jiulong Mountain area. Suggestions were made that how to manage the *P. tabulaeformis* plantation scientifically and how to use the deforested land appropriately, which has the site conditions of thinner soil layer and less nutrient and moisture capacities like Jiulong Mountain and in the low mountainous area in the suburb of Beijing.

**Key words** *Pinus tabulaeformis*; site-index table; multiple linear progressive regression

澳、美农用林考察团来华访问

根据国际树作物研究所 (ITCI) 中国办事处主席王世绩研究员与澳、美两国办事处主席 Ceoff Wilson 和 Miles L. Merwin 先生的协议, 经林业部批准, 以墨尔本大学的 Andrew Campbell 先生为首的澳大利亚农用林业专家一行 8 人, 于 5 月 20 日—6 月 2 日, 及以加利福尼亚州林业局 Laurie Lippitt 女士为首的美国农用林业专家一行 5 人于 5 月 23 日—6 月 7 日访问了我国。两团分别由中国林科院林研所的高级工程师徐梅卿和副研究员熊耀国陪同并兼翻译。在北京、沧州、黄山市、禹城、泰安、兖州、成武、商丘、民权、徐州等地进行访问活动。考察了我国平原和山地多种形式的农用林业、立体林业和人工造林、紫穗槐基地和盐碱地改造、树木园等。外国专家高度评价了我国发展林业的成绩, 对局部地区的水土流失也提出了建议。在考察过程中, 得到了各地政府部门的大力支持, 顺利地完成了接待任务。

(林 讯)