

Ordination of Dahurian Larch Forest in Mohe Forest Area

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Abstract On the basis of investigation in the forest of *Larix gmelinii* in Mohe forest area, we realized that the distribution of the forest types is selected correctly. The sample plots are ordinated by means of principal component analysis (PCA). According to Fisher test analysis, the classification were recognized as justified. The research result shows that distribution of forest types is influenced by the situation of slope which is the most important factor. Secondly, aspect, gradient, soil moisture and depth of soil layer are also important factors. The interaction between topographic factor and soil condition affects the distribution pattern of forest types.

Key words Mohe forest area dahurian larch forest ordination

“紫胶园生物群落的研究”通过鉴定

“紫胶园生物群落的研究”属国家自然科学基金项目，由中国林科院资源昆虫研究所主持，经过4a的深入研究，于1992年2月在北京经专家书面评审通过鉴定。

本项目主要研究紫胶园生物群落与环境的关系；群落内种间的相互关系；紫胶园间种粮食作物的作用；不同种群结构与产量、产值的关系比较。通过定位试验结果表明，在紫胶园不同类型的生物群落中，以胶粮间作群落和乔灌混交群落，能更好地利用自然条件和种间的有利关系，使群落的经济产品总量较对照提高2.4~4.4倍，产值较对照提高1.9~2.0倍，比纯乔木寄主树林提早2~4a投产。

专家认为，该项研究紧密结合生产，研究设计合理，数据翔实，结论可信，对建立优良人工胶园有一定指导作用，在国内同类研究中处领先水平。

(张玲)