

新时期我国林木育种研究的若干问题思考

杨传平

(东北林业大学林木遗传育种全国重点实验室, 哈尔滨 150040)

摘要: 本文在展望我国林木遗传育种未来与发展技术路线图基础上, 重点阐述了新时期我国林木育种研究应当重视与重点发展的八大问题。主要包括: 1.再谈林木良种的地位与作用; 2.中国林业对林木育种的战略需求; 3.林木分子育种研究的主要内容; 4.特殊立地类型造林的良种选育; 5.林木育种试验材料的代表性选择; 6.植树造林“适地适树”原则的拓展; 7.林木育种田间试验的基本原则; 8.林木育种的终极目标与营林生产。

Reflections on several key issues in tree breeding research in contemporary China

Chuan-Ping Yang

(State Key Laboratory of Tree Genetics and Breeding (Northeast Forestry University), Harbin150040, China)

Abstract: Based on the future outlook and technological roadmap for tree breeding in China, this paper focuses on eight critical issues that should be emphasized and developed in contemporary tree breeding research: 1. Reaffirming the role and significance of improved forest tree varieties; 2. Strategic demands of Chinese forestry for forest tree breeding; 3. Key aspects of molecular tree breeding research; 4. Breeding superior varieties for specific site conditions; 5. Selection of representative materials for tree breeding trials; 6. Expansion of the "right tree for the right site" principle in afforestation; 7. Fundamental principles of field trials in tree breeding; 8. The ultimate goals of tree breeding and their applications in forestry production.