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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

LY/T 1960-2011

**Technical codes for invasion risk assessment of exotic tree
species to natural ecosystem**

外来树种对自然生态系统入侵风险评价技术规程
(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is proposed and managed by the State Forestry Administration.

Introduction

The introduction of forest trees can bring huge economic benefits to the introduced areas. However, some exotic species have strong site development capabilities and species.

The inter-competitive ability may cause harm to the community structure of native species, resulting in a "biological invasion" of the introduced ecological environment. China's vast territory Wide, with a variety of climatic zones and climate types, site conditions are complex and diverse, forming a variety of ecological zones, for the growth of many exotic species Provided superior conditions and places. Therefore, the introduction of species of trees from abroad is very developed, and there are many types of exotic trees, so we will carry out foreign exchanges as soon as possible.

Tree species invasion risk research, formulate unified technical regulations and evaluation criteria, determine the invasiveness and ecological risk of various alien species, for China's forests Industry has a value and meaning that cannot be underestimated.

This standard provides reference and guidance for strengthening the scientific management and biological invasion evaluation of exotic tree species introduction, which will help eliminate China as soon as possible.

Carry out irregular behaviors in plant introduction, prevent the introduction of potentially harmful plant species, and avoid large areas of invasive alien woody plants.

Diffusion, prevention and reduction of potential risks and hazards that alien species may pose to native species and ecological environment, and protection of native species and ecological security all, promote the introduction of foreign species and international cooperation.

Exotic species threat to natural ecosystem invasion Evaluation technical specification

1 Scope

This standard establishes the index system and method for the risk assessment of invasive alien species to natural and semi-natural ecosystems, including exotic tree species.

Invasive evaluation or evaluation of the degree of invasive invasion, evaluation of the impact of exotic tree species on ecosystems, classification of risk levels of alien tree invasiveness and exotic species the difficulty of prevention and control is evaluated, and the corresponding hierarchical management countermeasures are proposed.

This standard applies to all species introduced from different regions outside the territory of the People's Republic of China or through certain channels within the territory of China and their any organ or tissue that colonizes.

2 Terms and definitions

The following terms and definitions apply to this document.

Introduction induction A class of subspecies,, or lower ranks by artificial means (including those that can survive and eventually reproduce) What part, such as gametophytes, seeds, or other reproductive material, migrates and grows to areas other than its natural distribution. Introduction can be made Born between different countries, but also between different regions of the same country.

Biological invasion A species migrates to a region that has not been distributed in the past, and can naturally survive, reproduce, form a domesticated population, and its population spreads.

The ecological environment or economy has or will constitute a threatening process.

Alien invasive species invasivealienspecies by conscious or unintentional human activities or natural factors (such as hurricanes) being moved outside the natural geographical distribution, in natural, semi-natural ecology the environment naturally spreads to build populations (without direct human assistance), expanding population size, and the composition and structure of local ecosystems or a foreign species that has produced or will have a significant impact on the process.

Invasive invasiveness Plants can multiply and spread into the biological properties of natural ecosystems.

Intrusion risk invasionrisk Plants can multiply and spread, posing a risk to the local natural ecosystem.

Information index index the parameters that measure the accuracy of the answer to the question are scored based on the uncertainty and certainty of each answer question.

Information volume reliability index informationreliabilityindex the sum of the information volume index as a percentage of the number of questions answered.