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**INDUSTRY STANDARD OF THE
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**Fast-growing and high-yielding plantation of *Pinus
yunnanensis***

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(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009 "Standardization Work Guide Part 1. Standard Structure and Compilation".

This standard is proposed and managed by the Construction and Management Office of the Fast-growing and High-yield Timber Forest Base of the State Forestry Administration.

This standard was drafted. Yunnan Forestry Academy, State Forestry Administration Fast-growing and high-yield timber forest base construction project management office.

Introduction

Pinus yunnanensis Franch. is an evergreen tree species of the genus Pinaceae, distributed in the north latitude 23 ° ~ 30 °, east longitude 96 ° ~ Between 108°, it is concentrated in the high mountains with an altitude of 1600m~2800m. It is very light, deep rooted, developed with main and lateral roots, resistant to drought and thinness.

Natural renewal is good under all light. Yunnan pine is a fast-growing afforestation tree species in the five southwestern provinces with a tree height of 40m and a DBH of 1m. Yunnan the pine is widely distributed, with Yunnan as the center, east to Guizhou Bijie, Shuicheng and western Guangxi Baise, north to southwest Sichuan Dadu River, Luding and it is south of Tianquan, west and the southeast of Tibet, and south to the south of Yunnan, Jingdong, Yuanyang, Pingbian and Maguan. Especially in Yunnan Province the cloth area is the widest, and its area and forest stock volume both occupy the first place. It is a pioneer species of barren mountain afforestation, economic, social and ecological to

the distribution area.

Benefits play an important role. To standardize afforestation technology, establish and improve the technical responsibility system, and actively promote the application of new scientific and technological achievements and advanced this cultivation standard has been developed to improve the yield and quality of Yunnan pine fast-growing and high-yield forests. In the process of formulation, the technical standards and procedures are formulated in conjunction with the actual and recent developments of Yunnan pine species.

Yunnan Songshengshengfeng Forest

1 Scope

This standard stipulates the technical measures for seedling, afforestation, tending management, harvesting and renewal, etc. adopted by Yunnan Songshengshengfeng Forest.

Growth indicator requirements.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 2772 forest seed inspection procedures GB/T 15781-2009 Forest tending procedures
LY/T 1646-2005 Forest harvesting procedures

3.1 Site type selection

According to the yield and quality of Yunnan pine forest in the distribution area, eight site types suitable for the construction of Yunnan pine fast-growing and high-yield forest were selected and divided into 2 levels. (1) Optimum area. the type of purple soil in the middle of the shady slope of Zhongshan, the type of red soil in the middle of the shady slope, the volcanic ash in the middle thick layer Site type; (2) Appropriate zone. the type of yellow-red soil in the thick slope of the shady slope, the red soil site type in the middle slope of the sunny slope, and the yellow-red soil site in the middle slope of the sunny slope Type, medium-thick layer purple soil site type of Zhongshan Yangpo, and upper-thick layer yellow-red soil site type. See Appendix A for the optimum location characteristics.

See Appendix B for the characteristics of the site.

3.2 Climate factor selection

The altitude of Yunnan Songshengsheng high-yield forest cultivation area is 1400m~2500m, and the climate is mild throughout the year, with no heat and cold. The annual average temperature 13°C~19°C, the average temperature of the hottest month is 20°C~21°C, the average temperature of the coldest month is 7°C~9°C, and the accumulated temperature of $\geq 10^{\circ}\text{C}$ is 4000 ° C ~ 5500 ° C, annual rainfall of 800mm ~ 1200mm, relative humidity of 60% ~ 80%. The soil is purple soil or red loam soil.

The pH is 4.5~6.0.

4.1 Purpose of cultivation

The purpose of constructing Yunnan pine fast-growing and high-yield forest is to cultivate forests with medium and large-diameter timber as the main forest, for buildings, pillars, furniture and sawn timber.

Provide materials.

4.2 Afforestation survival rate and preservation rate

The survival rate of afforestation in the current year should reach more than 95% of the number of designed afforestation plants, and the preservation rate in the second year is over 90%.