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

LY/T 1096-2005

Replacing LY/T 1096-1993

**Specification for silvicultural equipments configuration
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Principles
- 4 Types of machinery used for forestry operations and their associated requirements
- 4.1 Seed Machinery

Foreword

This standard is a revision of LY/T 1096-1993 "Association Specifications for Forest Machinery and Equipment".

Part of LY/T 1096-1993 is only considered as Appendix C and Appendix D of this standard.

In the fourth chapter of this standard, "The type and arrangement requirements of the forestry machinery and the requirements" GB/T 15776-1995 consistency of afforestation technical regulations, which not only facilitates the implementation of this standard, but also facilitates forestry operation machinery Acceptance of the quality of the work.

In this standard, the nursery machinery is assigned as an independent part in order to better match the technical requirements of the nursery operation.

Group breeding seedlings, container seedling machinery and equipment are not included in this standard, the reason is the industry promulgated by the State Forestry Administration of the People's Republic of China the standard LY/T 1000-1991 has its own system, the characteristics of container seedling machinery and equipment are outstanding, and there are many specialties involved.

The system is formulated as an independent standard as well.

The allocation of forest fire prevention equipment is not included in this standard. The reason is that the forest fire prevention system is self-contained, and the requirements for equipment are outstanding.

An independent standard is more conducive to forest fire protection requirements.

Appendix A of this standard provides the main technical parameters of some working machines, which are only for the primary mechanical type reference. In specific assignments

Product catalogs or product specifications for various machine types are still required.

B. in Appendix B of this standard. 1 and B. 2 introduced the calculation method of traction resistance of some working machines, according to the public in Appendix B the traction resistance and the total traction resistance can be calculated, and the power matching can be performed according to the magnitude of the resistance and the traction utilization factor. move the specific product model of the force, once determined, can be revised to calculate the traction, and then the calculation of power utilization. At B. 1 and B. 2 various systems the number is for reference only, and it needs to be revised according to the natural conditions such as local soil and water content. B in Appendix B. 4 sprinkler irrigation system the matching calculation of (machine) is only the supporting calculation under normal circumstances, and it is still necessary to combine local land conditions and natural circulation in the specific assignment work.

The environment is revised.

Appendix A, Appendix B, Appendix C and Appendix D of this standard are informative annexes.

This standard is proposed and managed by the National Forestry Machinery Standardization Technical Committee.

1 Scope

This standard specifies the principles, requirements and procedures for the allocation of forestry machinery and equipment.

This standard applies to artificial afforestation (including artificial regeneration of cutting sites), artificial promotion of natural regeneration, forestry operations and nursery operations.

Genus. The association of the mother forest construction and the seed garden construction machinery can also be referred to.

This standard does not include group breeding seedlings, container seedling equipment and forest fire prevention equipment.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 3730.1 Terms and definitions for types of cars and trailers GB/T 5668 rotary tillage machinery GB/T 6001 nursery technical regulations GB 7908 forest tree seed quality classification GB/T 14225.1 plow type and parameters GB/T 15370 General technical

requirements for agricultural wheeled and crawler tractors GB/T 15776 Afforestation Technical Regulations GB/T 15781 Forest Tending Regulations GB/T 16619 Forest seed collection technology CB/T 17997 Pesticide Sprayer (Field) Field Operation Regulations and Spray Quality Assessment GB/T 18320 Agricultural Transport Vehicle Safety Technical Requirements Technical Regulations for LY/T 1560 Low-yield Timber Forest Reconstruction

3 Principles

3.1

Adapting to local conditions is conducive to the economic development of the region.

3.2

The technology is advanced and feasible, meeting the technical conditions of forestry operations.

3.3

Reasonable allocation, scientific utilization, and improve the utilization rate of machinery and equipment.

3.4

Conducive to improving the ecological environment.

3.5

Conducive to improving economic efficiency, reducing energy consumption and reducing costs.

3.6

Safe and reliable, it is good for fire prevention.

4.1 Seed Machinery

4.1.1

Seed collection and seed treatment The scope of the mechanical operation includes the collection of seeds and the modulation of seeds.

4.1.2

According to the well-established seed collection plan, it is equipped with mechanical equipment and implements.

4.1.3

Seed collection machinery and equipment include.

- a) power tree installation, lifting workbench and seeding ladder;
- b) hand pickers, power pickers, vibratory seeders and seed collection machines;