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LY

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 1152-2010

Replacing LY/T 1152-1994; LY/T 1153-1994

Forestry machinery. Incubator for forest tree seed

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(English Translation)

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Preview: page 1 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-1152-2010

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Use of environmental conditions
4 Technical requirements
4.1 Product performance

Foreword

This standard is for LY/T 1152-1994 "Technical conditions for forest seed light germination" and LY/T 1153-1994 "forest seed Revision of the Light Germination Test Method and combine the two standards.

This standard cancels and replaces LY/T 1152-1994 and LY/T 1153-1994 from the date of implementation.

Compared with LY/T 1152-1994 and LY/T 1153-1994, the main changes are as follows.

1) The scope of Chapter 1 is changed from "Applicable to internal heat-type forest seed light germination device capable of automatic water absorption and ventilation" to "Applicable to controllable Temperature, humidity and incubator with artificial light source";

2) Revised the normative reference documents;

3) Increased requirements for the use environment;

4) Increased requirements for noise, insulation resistance and stability;

5) Revised product structure and appearance requirements;

6) Modified the test method;

7) Increased the principle of judgment.

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

1 Scope

This standard specifies the environmental conditions, technical requirements, test methods and inspection rules for the use of forest seed incubators (hereinafter referred to as incubators).

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And marking, packaging, storage and transportation.

This standard applies to incubators that can regulate temperature, humidity and artificial light sources.

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 191 packaging storage and transportation pictorial signs (GB/T 191-2008, ISO 780:1997, MOD) GB 2772 forest seed inspection procedures GB 4706.1 Safety of household and similar electrical appliances - Part 1. General requirements [GB 4706.1-2005, IEC 60335-1.

2004 (Ed4.1), IDT]

General technical conditions for GB/T 13384 mechanical and electrical product packaging GB/T 15479 Industrial automation instrumentation insulation resistance, insulation strength technical requirements and test methods JB/T 9512 Determination of noise power level of climatic environment test equipment and test chamber

3 Use of environmental conditions

The environmental conditions for the use of the incubator are.

a) room temperature. 5 ° C ~ 40 ° C;

b) Relative humidity. <=90%;

c) Air pressure. 86kPa ~ 106kPa;

d) Power supply voltage. 220V±22V or 380V±38V; power frequency. 50Hz±0.5Hz;

e) Water pressure. 0.2MPa~0.3MPa; water temperature. < 30°C;

f) no strong electromagnetic field around;

g) vibration and corrosive substances with no influence on the surrounding;

h) No direct sunlight or other sources of cold heat.

4.1.1 Temperature adjustable range

The incubator should have a variable temperature control function, and the temperature can be adjusted from 5 °C to 40 °C.

Preview: page 3 of 4 shown, 6 in the full document. Complete English PDF, instant download:
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4.1.2 Humidity adjustable range

The incubator should have the functions of humidity measurement, humidification and humidity control, and the relative humidity should be adjustable from 50% to 100%.

4.1.3 Temperature fluctuation

The temperature fluctuation of the incubator should meet the requirements of GB 2772 and should not exceed ±1 °C.

Preview: page 4 of 4 shown, 6 in the full document. Complete English PDF, instant download:
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