Chinastandards.org

ICS 65.020.20
CCS B 05

LY

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 2286-2014

Guidelines for Specificity, Consistency and Stability Testing of New Plant Varieties of Catalpa

植物新品种特异性、一致性、稳定性测试指南 梓树属

(English Translation)

Issued on: November 30, 2022 **Implemented on: April 1, 2023**

Issued by: State Forestry and Grassland Administration

Preview: page 1 of 5 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-2286-2014

Chinastandards.org

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Symbols and abbreviations
5 Test material
6 Test technical requirements
7 Specificity, Consistency and Stability Judgment
8 Species grouping
9 Traits Table
10 Technical Questionnaire
Appendix A (Normative) Traits Table
Appendix B (Normative) Trait Table Explanation
Appendix C (Normative) Technical Questionnaire
Reference

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting.

This document replaces LY/T 2286-2014 "Guidelines for Testing Specificity, Consistency and Stability of New Varieties of Plants Catalpa", and is in line with Compared with LY/T 2286-2014, except for structural adjustment and editorial changes, the main technical changes are as follows.

a) Added "Terms and Definitions" (see Chapter 3);

b) Change "abbreviations" to "symbols and abbreviations", and add descriptions of symbols and abbreviations (see Chapter 4, Section 3 of the 2014 edition chapter);

c) Changed the expression form of the requirements for the relevant traits, quantity requirements, tree age and reproduction methods submitted by the test materials (see Chapter 5, 4.1 of the 2014 edition);

d) Changed the requirements for "Test location" (see 6.2, 4.2.2 of the 2014 edition);

Preview: page 2 of 5 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-2286-2014

e) Changed the requirements of "test conditions" (see 6.3, 4.2.3 of the 2014 edition);

f) Changed the requirements of "test design" (see 6.4, 4.2.4 of the 2014 edition);

g) Deleted "Test methods for similar traits" (see 4.2.5 of the 2014 edition);

h) Deleted "Test methods for individual traits" (see 4.2.6 of the 2014 edition);

i) Changed the location and expression of "additional tests" (see 6.6, 4.2.7 of the 2014 edition);

j) Changed "Specificity, Consistency and Stability Evaluation" to "Specificity, Consistency and Stability Judgment" (see Chapter 7, 2014 Chapter 5 of the edition);

k) Added the "general principle" of "specificity, consistency and stability determination" (see 7.1);

l) Changed "specificity" to "specificity judgment", and changed the specific content of "constant difference" and "significant difference" (see 7.2, 2014 version 5.1);

m) Changed "Consistency" to "Consistency Judgment", and changed the specific content (see 7.3, 5.2 of the 2014 edition);

n) Changed "stability" to "stability judgment", and changed the specific content (see 7.4, 5.3 of the 2014 edition);

o) Changed the specific content of "Description of Variety Grouping" (see 8.1, 6.1 of the 2014 edition);

p) Changed "grouping characteristics" to "grouping traits", and added "leaf. multicolor" and "inflorescence. type" of "grouping traits" (see 8.2.2, 8.2.3), deleted "leaf surface coat" and "fruit length" (see 6.2.2, 6.2.3 of the 2014 edition), adjusted "leaf. shape" the form of expression (see 8.2.1, 6.2.1 of the 2014 edition);

q) Added "Character Table" and deleted "Description of Traits and Related Symbols" (see Chapter 9, 7 of the 2014 edition);

r) Added "Technical Questionnaire" (see Appendix C);

s) Added "Plant. Growth Habit", "Plant. Branch Density" and "Brunk. Bark Cracking Type" in "Appendix A Table A.1 Traits and Characteristics Table" "Seedling trunk. bark color", "Seedling trunk. leaf scar shape", "Seedling trunk. stem lenticel protruding degree", "Current branch. lenticel Density", "Current Branch. Color", "Current Branch. Hardness", "Current Branch. Internode Length", "Current Branch. Phyllotaxy", "Leaf. Size" "Blade. Top Shape", "Blade. Thickness", "Blade. Leaf Edge Sawtooth Type", "Blade. Leaf Edge Attitude", "Leave. Complex Color", "Leave. Cheng Main color on the upper surface of mature leaves" "Leaf. secondary color on the upper surface of mature leaves (only for recolored varieties)" "Leaf. secondary color distribution (only for recolored varieties)" "Leaf Pieces. main color on the upper surface of young leaves" "Leaf. secondary color on the upper surface of young

Preview: page 3 of 5 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-2286-2014

leaves (only for double-colored varieties)" "Leaf veins. the angle between the midrib and the lateral veins at the base" "Flower. Corolla Mouth Diameter" "Flower. Multiple Colors" "Flower. Corolla Lobe Secondary Color Spot Distribution Density" "Flower. Corolla Lobe Top Shape" "Flower. Flower Crown lobes edge folds", "anthers. color", "pedicels. hairy", "phenological period. multiple flowering" (see Table A.1 in Appendix A);

t) "Plant. crown type", "leaf. length", "leaf. color" and "leaf. veins on the lower surface" of "Appendix A Table A.1 Traits and Characteristics Table" are deleted.

Axillary patches. color", "leaf. lower surface veins, axillary patches. number", "inflorescence. number of florets", "flowering period. initial flowering period", "fruit. ripe Period", "Fruit. Width" and "Fruit. Persistence" (see Table A.1 of the 2014 edition);

u) Changed the "Plant. Plant Height", "Current Branches. Coat Density", "Leaf. Shape" and "Leaf.

Basal shape", "Leaf. Leaf lobes", "Leaf. Surface hair distribution", "Petiole. Length", "Inflorescence. Type", "Flower. Corolla lobes dominant color", "Fruit "Real. Length" expression rules (see Table A.1, Table A.1 of the 2014 edition);

v) Added Appendix B "Explanation of multiple traits" (see B.1);

w) Changed "Illustration of trait table" to "Explanation of a single trait" (see B.2, A.2 of the 2014 edition);

x) Added "Plant. Growth Habit", "Trunk. Bark Cracking Type", "Seedling Trunk. Leaf Scar Shape", "Current Branches. Phyllotaxy" and "Leaf.

Shape", "Leaf. Tip Shape", "Leaf. Base Shape", "Leaf. Leaf Edge Sawtooth Type", "Leaf Vein. Between Midrib and Base Lateral Veins angle", "inflorescence. type", "flower. corolla mouth diameter", "flower. corolla lobes primary color", "flower. lobes secondary color spot distribution density" "flower. corolla lobes Diagram of the shape of the tip of the lobes" (see Appendix B);

y) Deleted "item 2 of the trait table, plant. crown shape" and "item 4 of the trait table, leaf. shape" (see the 2014 edition A.2.1, A.2.2);

z) Changed "Technical Questionnaire" to "Appendix C", and changed the content of the technical questionnaire form (see Appendix C, Appendix B of the 2014 edition).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document was proposed by the Plant Variety Protection Office of the State Forestry and Grassland Administration.

This document is under the jurisdiction of the State Forestry and Grassland Administration.

Preview: page 4 of 5 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-2286-2014

1 Scope

This document specifies the technical requirements for the specificity, consistency and stability testing of new plant varieties of the genus CatalpceScop.

This document is applicable to the specificity, consistency and stability testing of new varieties of Catalpa plants.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 19557.1 General Rules for Specificity, Consistency and Stability Test Guidelines for New Plant Varieties

3 Terms and Definitions

The terms and definitions defined in GB/T 19557.1 apply to this document.

4.1 Symbols

The following symbols apply to this document.

(*). The traits marked with (*) in Table A.1 trait table in Appendix A are explained in detail in 9.2.1.

(a)(b)(c). Table A.1 marked (a)(b)(c) is explained in detail in 9.7.

(). The content marked () in Table A.1 is explained in detail in 9.2.2.

4.2 Abbreviations

The following abbreviations apply to this document.

TG---Testguideline

5 Test materials

5.1

The applicant should submit the plant materials of the test varieties that meet the quantity and quality requirements according to the specified time and place. From overseas or other regions

Preview: page 5 of 5 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ly-t-2286-2014