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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 1852-2024

Replacing LY/T 1852-2009

Guidelines for the conduct of tests for distinctness, uniformity and stability - Rhododendron [Rhododendron Subgenus Tsutsusi(Sweet) Pojarkova and Subgenus Pentanthera(G. Don) Pojarkova.]

植物新品种特异性、一致性、稳定性测试指南 杜鹃花属映山红亚属和羊踯躅亚属

(English Translation)

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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 1852-2009 "Guidelines for testing specificity, consistency and stability of new plant varieties - Azalea Compared with LY/T 1852-2009, in addition to structural and editorial changes, the main technical changes are as follows.

a) The quantity and type of test materials have been changed (see 5.2, 5.3, 4.1.2, 4.1.3 of the 2009 edition);

b) Added the applicable environment of color in the test conditions (see 6.3.2);

c) The description and grouping types of species groups have been changed (see 8.1, 8.2, 6.1, 6.2 of the 2009 edition).

d) Added the standardized description of trait expression status and codes (see 9.4);

e) Added standard varieties and parent information on expression status response, and selected varieties that are more common in breeding and gardening applications in my

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country (see 9.5);

f) Added "Plant. Posture", "Leaf. Multiple Color", "Leaf. Secondary Color on Ventral Surface (only applicable to varieties with multiple color leaves)", "Leaf. Secondary Color Type" (Applicable only to varieties with multi-colored leaves)""Leaf. Cross-sectional shape""Leaf. Glossiness""Leaf. Strigose""Petiole. Red""Flower Pedicel. color" "Corolla lobes. degenerate" "Corolla lobes. completely divided" "Corolla lobes. degree of separation" "Corolla lobes. apex notched" "Flower "Corolla lobes. serrated edges" "Corolla lobes. posture" "Corolla. showing nectar spots" "Corolla. showing the proportion of nectar spots" "Corolla. showing nectar spot types" "Corolla. nectar spot is significantly different from the color of the corolla lobes" "Corolla. nectar spot color" "Corolla. throat spot" "Corolla. throat spot color "Color", "Corolla lobes. number of colors on the ventral surface (excluding nectar spots and throat spots)", "Corolla lobes. secondary colors on the ventral surface (applicable only to corolla lobes) "Ratio of corolla lobes. secondary color on the ventral side (only applicable to varieties with corolla lobes with secondary color on the ventral side)" " Lobe. Main color on the back (only applicable to varieties with obvious color difference from the ventral side of the corolla lobes)" "Corolla lobes. Colored rib-like stripes on the back" "Corolla lobes. color of rib-like stripes on the back" "Stamens. presence or absence" "Stamens. petalization type" "Stamens. number" "Stamens. filament color" color", "Pistil. petalization", "Pistil. heteromorphism", "Pistil. length", "Pistil. style color", "Flower. fragrance", "Phenology. leaves change evenly in autumn" There are 38 traits in total (see Table A.1 in Appendix A);

g) Changed "Plant. Plant height", "Current year branch. Epidermal color", "Current year branch. Indumentum color", "Leaf. Length", "Leaf. Width" "Leaf. shape" "Leaf. ventral color of young leaves" "Leaf. ventral main color" "Leaf. tip shape" "Leaf. base shape" "Leaf Leaf blade. texture", "Leaf blade. ventral hair state", "Calyx. degree of petalization (only applicable to varieties with petalized calyx)", "Corolla. tube" length" "Corolla. floret shape (side view)" "Corolla. type" "Corolla lobes. shape" "Corolla lobes. ventral dominant color" "Corolla Lobe. secondary color distribution on the ventral side (only applicable to varieties with multiple colors on the ventral side of the corolla lobes)" "Stamens. anther color" "Pistil. stigma color the expression status of 21 traits in total (see Table A.1, Table A.1 of the 2009 edition);

h) Deleted "Plant. Growth potential", "New year's branches. Epidermal hair type", "Old branches. Epidermal hair", "Leaves. Whorled", "Leaves. Autumn color" "Leaf" veins are the same color as the leaf "Leaf. Leaf surface hair color" "Leaf. Is there hair on the back of the leaf" "Leaf. Is there a serration at the leaf edge 1/3 of the way from the base Teeth", "Leaf blade. Whether the leaf margin has eyelashes", "Petiole. Grooves on the upper surface", "Sepals. Whether", "Sepals. Color", "Sepals. Hairs on the margin", "Flowers.

"Inner ornamentation of corolla lobes" "Flower. ornamentation color" "Stamens. filament base hairy" "Stamens. whether petalized" "Pistil. lower part of style hairy" "Fruit. whether it has bristles", "Fruit. shape", "Fruit. size", "Leaf fall period", "Fruit. maturity period", a total of

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24 traits (see

Table A.1);

i) The explanations and diagrams in the table of characteristics have been modified (see B.1 and B.2, A.2 of the 2009 edition);

j) The main characteristics that need to be tested in the technical questionnaire have been changed (see Table C.1, Appendix B of the 2009 edition).

1 Scope

Require.

This document is applicable to the specificity, consistency and stability testing of plants of the subgenus Azalea and the subgenus Agropyron and new interspecific hybrid varieties.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 19557.1 General Guidelines for Testing Specificity, Uniformity and Stability of New Plant Varieties

3 Terms and definitions

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

4 Symbols and abbreviations

The following abbreviations apply to this document.

TG. Test Guideline

5 Test Materials

5.1

Applicants should submit test materials that meet the quantity and quality requirements at the specified time and place.

The materials should comply with customs, plant quarantine and other requirements.

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