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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 2444-2015

Replacing LY/T 2444-2015

Lycoris Herb.

石蒜类植物种球生产技术规程

(English Translation)

Issued on: July 21, 2025 **Implemented on: November 1, 2025**

Issued by: National Forestry and Grassland Administration

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Foreword

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

Drafting.

This document replaces LY/T 2444-2015 "Technical Specification for Production of Lycoris bulbs". Compared with LY/T 2444-2015, except for the following.

Aside from the logical adjustments, the main technical changes are as follows.

a) The scope has been changed (see Chapter 1, 2015 edition).

b) Added definitions for growth cycle, spring-emerging Lycoris radiata, and autumn-emerging Lycoris radiata (see Chapter 3);

c) The definitions of bulb basal disc, annual bulblets, and stem disc cutting method have been deleted (see Chapter 3, Chapter 3 of the 2015 edition).

d) Added resource collection and saving (see Chapter 4);

e) Variety breeding has been added (see Chapter 5);

f) Propagation by seed, propagation by bulb division, and propagation by tissue culture have been added (see 6.1, 6.2, and 6.4).

g) The diagram illustrating bulb cutting has been removed (see 4.4.2 in the 2015 version);

h) Added cut flower production and potted flower production (see Chapters 8 and 9);

i) Added the collection and trait recording of Lycoris species resources (see Appendix A).

This document was proposed by the National Forestry and Grassland Administration.

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This document is under the jurisdiction of the National Technical Committee on Standardization of Flowers (SAC/TC 282).

Introduction

The issuing organization of this document draws your attention to the fact that a declaration of compliance with this document may involve the use of patents related to section 6.3.2 and its corresponding content.

The issuing organization of this document makes no position on the authenticity, validity, or scope of the patent.

The patent holder has committed to the issuing authority of this document that he is willing to cooperate with any applicant on reasonable and non-discriminatory terms and conditions.

Negotiations are underway regarding patent licensing. The patent holder's statement has been filed with the issuing authority of this document. Relevant information can be found through the following...

Contact information obtained.

Serial Number

Patent nature

Invention Patent

utility model

name

A type of Lycoris bulb cutting Automatic cutting device Lycoris bulb base insertion knife Patent number ZL 2020 1 0674710.8 ZL.2014-2016 15.29.7 Patent holder's name Hangzhou Botanical Garden (Hangzhou West Lake Landscape Architecture Research Institute) Hangzhou Botanical Garden address Hangzhou, Zhejiang Province no. 1 Taoyuanling, Xihu District Hangzhou, Zhejiang Province no. 1 Taoyuanling, Xihu District Please note that in addition to the patents mentioned above, some content in this document may still involve patents. The issuing organization of this document does not assume responsibility for identifying patents.

responsibility.

Lycoris plants

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1 Scope

This document defines the species of Lycoris spp.. Lycoris longituba, Lycoris radiata, and Lycoris sprengeri.

Collection and preservation of plant germplasm resources such as L. aurea, variety breeding, bulb cultivation, commercial bulb production, cut flower production, potted plant production, and disease control.

Technical requirements for pest control, etc.

This document applies to the protection of germplasm resources of Lycoris species and their production and application across the entire industry chain.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

document.

LY/T 2858 Guidelines for the Construction of Flower Germplasm Resource Banks NY/T 1656.2 Technical Specifications for Flower Inspection Part 2: Inspection of Cut Flowers NY/T 1656.3 Technical Specifications for Flower Inspection Part 3: Inspection of Potted Flowers NY/T 1656.7 Technical Specifications for Flower Inspection Part 7: Bulb Inspection NY/T 2510 Guidelines for Testing the Distinctiveness, Uniformity and Stability of New Plant Varieties - Lycoris

3 Terms and Definitions

The following terms and definitions apply to this document.

growth cycle

The entire process of Lycoris plants from budding to dormancy includes the budding period, leaf unfolding period, leaf withering period, flowering period, fruiting period, and dormancy period.

Autumn-leaved Lycoris Lycoris species that emerge their leaves in autumn and winter.

Spring leafing Lycoris Lycoris species that emerge their leaves in spring.

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4.1 Data Collection

4.1.1

The collection of wild germplasm resources should not damage the genetic integrity of the original population or its normal growth.

4.1.2

Data records should be properly kept for the collected germplasm resources, and the format and content should be in accordance with Appendix A.

4.1.3

See Appendix B for identification of the main types.

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