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

LY/T 3119-2019

**Guidelines for the conduct of tests for distinctness, uniformity
and stability(DUS)--Phyllostachy Siebold et Zuccarini**

植物新品种特异性、一致性、稳定性测试指南 刚竹属
(English Translation)

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Table of Contents

- 2 Applicant Information
- 3 Origin of the variety
- 5 Comparison information of similar varieties
- 7 Additional information (ability to distinguish traits of varieties, etc.)
- 8 Test requirements (special conditions required for the variety test, etc.)
- 9 Other information to help identify the type of application

2 Applicant Information

Applicant. Co-applicant.

address.

Zip code. Phone. Fax. E-mail.

3 Origin of the variety

Breed finder. Discovery date. Breeder. Breeding time.

Cross breeding. (female) (female) x (male) (parent).

Live breeding. (female) (female) Other breeding routes.

Summary of the breeding process.

4. Main characteristics (The numbers in the brackets in the first column are the trait numbers in Table A.1 of Appendix A. Please mark "sqrt" in the ☐ after the corresponding trait characteristic code) 4.1 (1) Underground stem. stomatal channel 1 without ☐, 9 with ☐ 4.2 (6) New stalk. White powder ring under the knot 1 No or very weak ☐, 2 in ☐, 3 strong ☐ 4.3 (8) New stalk. internode was white powder 1 without ☐, 2 in ☐, 3 strong ☐ 4.4 (9) New stalks. internode coat 1 without ☐, 3 sparse ☐, 5 dense ☐ 4.5 (27) Sheath. coat 1 without ☐, 3 in ☐, 5 dense ☐ 4.6 (28) sheath. with or without stripes 1 without ☐, 9 with ☐ 4.7 (31) Sheath. white powder 1 without ☐, 2 thin ☐, 3 thick ☐ 4.8 (32) Scabbard sheath. spot 1 without ☐, 3 in ☐, 5 dense ☐ 4.9 (33) Scabbard sheath. apex shape 1 markedly concave ☐, 3 slightly concave ☐, 5 truncated or nearly truncated ☐, 7 slightly convex ☐, 9 strongly convex from ☐ 4.10 (34) Sheath. marginal coat 1 without ☐, 3 coats ☐, 5 all coats ☐ 4.11 (36) Ears. size 1 none or very weak ☐, 3 medium ☐, 5 large ☐ 4.12 (40) Hair. Length 1 short ☐, 3 medium ☐, 5 long ☐ 4.13 (41) Hair. morphology 1 straight ☐, 3 slightly curved ☐, 5 strongly curved ☐ 4.14 (42) Sepals. shape 1 triangle ☐, 3 long triangles ☐, 5 lanceolate ☐, 7 long lanceolate ☐, 9 stripe ☐ 4.15 (43) Cymal. base width and cymal Sheath top width ratio 1 less than 1/2 ☐,

21/2 ~ 2/3 [], 3 is about 1 [] 4.16 (44) Sepals. base shape 1 trumpet shape [], 2 straight tube shape [], 3 oval shape [] 4.17 (45) Sepals. Stretched state 1 upright or nearly upright [], 2 flat or inverted [] 4.18 (46) Sepals. Wrinkled 1 Not wrinkled [], 3 Apex wrinkled [], 5 All wrinkled [] 4.19 (48) Tongue. height 1 low [], 2 medium [], 3 high [] 4.20 (52) Tongue. apex shape 1 concave [], 3 flat [], 5 convex []

5 Comparison information of similar varieties

Variety names similar to this variety.

Typical differences from similar varieties.

6. Summary of variety traits (detailed description according to Table A.1 trait characteristics table)

7 Additional information (ability to distinguish traits of varieties, etc.)

7.1

Stress resistance and adaptability (drought resistance, cold resistance, waterlogging resistance, salt and alkali resistance, to pests and diseases)

7.2

Reproduction points.

7.3

Main points of cultivation management.

7.4

Other information.

9 Other information to help identify the type of application

Note: If the terms and spaces in the above form are insufficient, additional notes on A4 paper can be attached.

Applicant's signature. Date.

references

[1] Relevant documents for the development of testing guidelines by the International Union for the Protection of New Varieties of Plants.

TGP/5 Experience and Cooperation in DUS Testing TGP/6 Arrangements for DUS Testing
TGP/7 Development of Test Guidelines TGP/8 Trial Design and Techniques Used in The
Examination of Distinctness, Uniformity and Stability TGP/9 Examining Distinctness TGP/10
Examining Uniformity TGP/11 Examining Stability TGP/14 Glossary of Technical, Botanical

and Statistical Terms Used in UPOV Documents TGP/15 New Types of Characteristics [2] Geng Bojie, Wang Zhengping. Flora of China (nine volumes and one volume). Beijing. Science Press..1996 [3] Ma Naixun, Lai Guanghui, Zhang Peixin, etc. Chinese Phyllostachys. Zhejiang, Hangzhou. Zhejiang Science and Technology Press, 2014 [4] Wang Zhengping, Yu Zehua, Ye Guanghan et al. Studies on Phyllostachys in China. Chinese Journal of Plant Taxonomy, 1980, 18 (2). 168-193 [5] Ding Yulong. Phyllostachys taxonomy of Phyllostachys. PhD dissertation of Nanjing Forestry University, June.1998