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

GB/T 47299-2026

Code of practice for the conservation of silkworm (*Bombyx mori*) germplasm resources

桑蚕种质资源保存技术规程

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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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Sericulture (SAC/TC437). This document was drafted by: Jiangsu University of Science and Technology, Southwest University, Guangdong Academy of Agricultural Sciences Sericulture and Agricultural Products Processing Research Institute, and Jiangsu Suhao. Silkworm Seed Co., Ltd., Sichuan Provincial Sericulture Management Station, Sichuan Academy of Agricultural Sciences Sericulture Research Institute, Zhejiang Academy of Agricultural Sciences, Anhui Academy of Agricultural Sciences The Sericulture Research Institute of the College, Chongqing Sericulture Science and Technology Research Institute, Soochow University, Guangxi Zhuang Autonomous Region Sericulture Technology Extension Station, Hubei Provincial Department of Agriculture Institute of Economic Crops, Chinese Academy of Sciences; Nanchong Silkworm Seed Farm, Sichuan Province; Shandong Guangtong Silkworm Seed Co., Ltd.; Sericulture and Apiculture Research Institute, Yunnan Academy of Agricultural Sciences The institute, Hunan Provincial Cotton and Sericulture Research Institute, and Ankang City Sericulture Farm Co., Ltd., Shaanxi Province. The main drafters of this document are. Qian Heying, Dai Fangyin, Xiao Yang, Wang Haiyan, Yang Yuanping, Xiao Wenfu, Wang Yongqiang, Qin Feng, Jiang Jia, and Xiong Benhua. Li Bing, Shi Liang, Chen Tan, Wen Tingyong, Zhang Youhong, Tang Qingkun, Guan Ruiying, Wu Fan, Dong Zhanpeng, Xue Hong, Ai Junwen, Zhang Baohua, Li Gang, Hu Hai Chen Tao. Technical Regulations for the Preservation of Silkworm Germplasm Resources

1 Scope

GB/T 47299-2026 is the Chinese national standard covering the silkworm gene bank - a domesticated insect that cannot survive without people, whose strains have to be reared every generation to be kept alive, with the rearing, the records and the characterisation of each accession. First edition, in force since 1 October 2026, with the oak silkworm germplasm standard GB/T 47303-2026. It was issued on 31 March 2026 and takes effect on 1 October 2026, as a first edition. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document establishes the procedures for the preservation of silkworm germplasm resources, describes the methods for preserving silkworm germplasm resources, and stipulates the sharing, utilization, and data preservation. Requirements, etc. This document applies to the preservation and utilization of silkworm germplasm resources.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. 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. This document.

GB/T 45294 Technical Specification for Quality Assessment of Silkworm Cocoons and Silk

NY/T 1093 Technical Specifications for the Breeding of First-Generation Hybrid Silkworms

NY/T 1492 Technical Specifications for Silkworm Seed Breeding

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Silkworm varieties or strains with relatively stable genetic traits, consistent morphological characteristics and biological properties, and appropriate names.

Note. This includes local varieties, bred varieties, introduced varieties, gene-mutant lines, and other genetic intermediate materials.

3.2 hibernatingegg The silkworm eggs were produced in the same year and preserved in a diapause state until they were used the following year.

4 Basic Requirements

4.1 Preserved germplasm resources are not lost, and their inherent characteristics are

maintained.

4.2 Investigate and record the biological characteristics and economic traits of germplasm resources.

5. Technical Process for Preservation of Silkworm Germplasm Resources The technical process for preserving silkworm germplasm resources is shown in Figure 1.

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