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

GB/T 44612-2024

**Technical requirements for phytosanitary treatment of
Pseudococcus jackbeardsleyi Gimpel and Miller**

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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 is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed and coordinated by the National Technical Committee on Plant Quarantine Standardization (SAC/TC 271). This document was drafted by: Sanya China Inspection and Quarantine Institute Biosafety Center, China Inspection and Quarantine Scientific Research Institute, Nanning, People's Republic of China Customs, Shanghai Customs College, National Agricultural Technology Extension Service Center, China Customs Science and Technology Research Center, Northeast Forestry University,

China Agricultural University, Mudanjiang International Travel Health Care Center (Mudanjiang Customs Port Clinic). The main drafters of this document are. Liu Tao, Li Baishu, Li Li, Zhou Guohui, Jiao Binbin, Ma Chen, Zhan Guoping, Zheng Chunsheng, Zou Li, Zhang Junzheng, Yang Fang, Zou Haiyang, and Zhang Yunhuan. Technical requirements for quarantine treatment of Jackbell's mealybugs

1 Scope

GB/T 44612-2024 sets the phytosanitary treatment requirements for *Pseudococcus jackbeardsleyi*, the Jack Beardsley mealybug. It is a tropical polyphagous pest that travels on fruit and ornamental consignments, hides in the calyx and under bracts where inspection misses it, and is intercepted regularly at Chinese ports; a treatment schedule matters because the alternative to treating a consignment is refusing it. The standard sets three treatments. For fumigation it gives the basic requirements, the technical indicators of dose, temperature and exposure, the operating procedure, the determination of the result and the emergency response; for irradiation and for heat treatment it gives the corresponding basic requirements, technical indicators, procedure and result determination, together with the records to be kept. It takes effect on 1 April 2025.

This document specifies the technical requirements for the implementation of quarantine treatments for Jackbell's mealybugs (*Pseudococcus jackbeardsleyi* Gimpel and Miller). Technical requirements. This document applies to fumigation, irradiation and heat treatment of fresh plant products such as fruits, vegetables and seedlings carrying Jackbell's mealybugs. deal with.

2 Normative references

The contents of the following documents constitute the 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. in this document.

GB/T 15446 Terminology of radiation processing dosimetry

GB 16334 Practical dosimetry guide for food processing using gamma irradiation equipment

GB 18871 Basic Standard for Ionizing Radiation Protection and Radiation Source Safety

GB/T 21659 Guidelines for plant quarantine measures - Irradiation treatment

GB/T 31752 Technical Specification for Methyl Bromide Quarantine Fumigation Warehouse

GB/T 36854 Container fumigation operation procedures GBZ

2.1 Occupational exposure limits for hazardous factors in the workplace Part

1. Chemical hazardous factors SN/T 3282 Basic requirements for quarantine fumigation
SN/T 3291 General requirements for heat treatment SN/T 3401 Testing procedures for
residual concentration of fumigants after fumigation of imported and exported plants SN/T
4331 Basic technical requirements for quarantine irradiation of imported fruits SN/T 5472
Technical requirements for phosphine low-temperature quarantine treatment of important
mealybugs ISPM

3 Terms and definitions

The terms and definitions defined in ISPM 5, GB/T 15446 and GB/T 31752 and the
following apply to this document.

5 Glossary of phytosanitary terms ISPM

18 Guidelines for the use of irradiation as a phytosanitary measure (any measure) ISPM

45. Irradiation treatment for *Pseudococcus* ISPM

42 Requirements for the use of temperature treatments as a phytosanitary measure (any
measure) ISPM

43 Requirements for the use of fumigation as a phytosanitary measure (any measure)