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

GB/T 20476-2025

Replacing GB/T 20476-2006

**Treatment and management of pine wood and its products in
quarantine area for pine wilt disease**

松材线虫病发生区松木及制品处理和管理

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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 supersedes GB/T 20476-2006 "Treatment and Management of Pine Packaging Materials in Areas Affected by Pine Wilt Disease" and is consistent with GB/T 20476- Compared to 2006, aside from structural adjustments and editorial changes, the main technical changes are as follows.

- The scope has been changed (see Chapter 1, Chapter 1 of the 2006 edition);
- The terms and definitions "pine sawyer beetle," "pine wood packaging materials," "heat treatment," "fumigation treatment," "microwave treatment," and "emergency measures" have been removed.
- "Key Prevention Areas" (see sections 3.2, 3.3, 3.5-3.8, and 3.10 in the 2006 edition);
- The terminology and definition of "pest control treatment" have been changed (see 3.5, 3.4 in the 2006 edition);
- Added terms and definitions. "vector insect" and "infected tree" (see 3.2, 3.4);
- The chapter on "Limited Pine Wood Packaging Materials" has been deleted (see Chapter 4 of the 2006 edition);
- The phrase "microwave treatment" has been removed from the list of methods for limiting

pest control treatments (see section 5.3 of the 2006 edition);

- The content related to "heat treatment" in the treatment of pine wood and its products has been changed, replacing "methane bromide fumigation" with "fumigation treatment" (see 4.1).

4.2 (5.1 and 5.2 in the 2006 edition);

- Added "burning treatment", "shredding (chipping) treatment", and "vegetable cutting treatment" to the processing of pine wood and its products (see 4.3~4.5);

- The chapter on "Management of Pine Wood and its Products" has been revised (see Chapter 5, Chapter 6 in the 2006 edition);

- The heat treatment method for pine wood packaging materials has been removed (see Appendix A of the 2006 edition);

- The requirement for methyl bromide fumigation treatment of pine packaging materials has been removed (see Appendix B of the 2006 edition);

- The method for microwave disinfection of pine packaging materials using rollers has been removed (see Appendix C of the 2006 edition);

- The method for tunnel-type microwave disinfection of pine packaging materials has been removed (see Appendix D of the 2006 edition);

- Added a transfer slip for infected timber (see Appendix A);

- A registration form for infected timber entering the factory has been added (see Appendix B);

- A registration form for the shipment of treated and pest-treated timber has been added (see Appendix C);

- A registration form for the pest control treatment of pine wood boards and products has been added (see Appendix D).

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 and is under the jurisdiction of the National Technical Committee on Standardization of Plant Quarantine (SAC/TC271).

This document was drafted by: the National Forestry and Grassland Administration's Center for Biological Disaster Prevention and Control, the Department of Ecological Protection and Restoration of the National Forestry and Grassland Administration, and other relevant organizations.

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The release history of this document and the document it replaces is as follows.

- First published in 2006 as GB/T 20476-2006;
- This is the first revision.

1 Scope

This document specifies the methods and management requirements for pest control treatment of pine wood and its products in areas where pine wilt disease occurs.

This document applies to pine wood and its products in areas where pine wilt disease occurs.

Note. Pine wood mainly refers to pine logs, timber, branches, cores, boards, crushed material, and rotary-cut veneer; pine wood products mainly refer to those used for load-bearing, packaging, padding, and support.

Pine wood materials used to support and reinforce goods, such as pine boxes, wooden pallets, wooden rolls, dunnage, sleepers, and linings.

2 Normative references

GB/T 23477-2009

3 Terms and Definitions

The following terms and definitions apply to this document.

3.2 vectorinsects

The vector of pine wood nematode.

3.3

County-level administrative regions where pine wilt disease occurs.

3.4

Pine wood and its products that have not undergone pest control treatment in areas where pine wilt disease occurs.

Note. This document mainly refers to Pinus species. Pinus species other than Pinus species that have been infected should be managed as infected trees.

3.5 4 Processing of pine wood and its products

Officially recognized procedures for using physical and chemical methods to kill pine wood nematodes or their vectors in infected wood.

4.1 Heat Treatment

4.1.1 Applicable to pine boards and products of different specifications, the wood is heated to a core temperature of 65°C or higher and the treatment is continued for 4 hours.