

Phytopsanitary treatments
Traitements phytosanitaires

Heat treatment of wood to control insects and wood-borne nematodes

Specific scope

This standard describes the heat treatment of wood to control insects and wood-borne nematodes. It is an alternative to the standard PM 10/7 *Methyl bromide fumigation of wood to control insects* (previously PM 3/51).

Specific approval and amendment

First approved in 2008-09.

Introduction

Round wood and sawn wood may be infested by a range of insects such as Scolytidae, Buprestidae and Cerambycidae, and by nematodes e.g. of the genus *Bursaphelenchus*. Such material serves as a pathway for the spread of the mentioned organisms. Several wood-related harmful organisms are listed in the EPPO A1 and A2 lists as well as in the Alert list.

Commodities/regulated articles

Round and sawn wood (with or without bark)

Pests

Wood-related insects: e.g. Scolytidae, Buprestidae, Cerambycidae.

Wood-related nematodes: e.g. *Bursaphelenchus* spp.

Treatment schedule

The wood has to be heat-treated until the core temperature reaches at least 56 °C for at least 30 min.

Efficacy of treatment

These treatment parameters were recognized as efficient enough to be included in ISPM No. 15 (FAO, 2006) as well as in the EU-Council Directive 2000/29/EC.

References

Council Directive 2000/29/EC On protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the Community. *Official Journal of the European Communities* No. L169, 1–112.

FAO (2006) International Standards for Phytosanitary Measures No. 15 *Guidelines for Regulating Wood Packaging in International Trade* with Modifications to Annex I. FAO, Rome (IT), 11 pp.

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