

CONTACTOS DE LA CIPF Y DIFUSIÓN DE INFORMACIÓN OFICIAL

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REGULATION OF WOOD PACKAGING MATERIAL IN INTERNATIONAL TRADE (2009)

Scope of ISPM 15

This standard describes phytosanitary measures to reduce the risk of introduction and/or spread of quarantine pests associated with wood packaging material made from raw wood. It includes dunnage but excludes wood packaging made from wood processed that is free from pests (e.g. plywood).



Basis for regulating

- Movement of untreated wood as pathway for pests;
- Use, re-use, repair and recycling for different consignments;
- True origin and phytosanitary status difficult to determine, hence
- Risk analysis often difficult to undertake



Basis for regulating

 For above reason, this standard describes globally accepted measures that may be applied to wood packaging material by all countries to reduce significantly the risk of introduction and spread of most quarantine pests.



Asian long-horned beetle





Ambrosia beetle





Pine wood Nematode







- Regulation of Wood Packaging Material in International Trade - ISPM 15(2009)
- Countries are setting up new import regulation for WP
- Increasing demand for certified and marked WP

gulated wood packaging

All forms of wood packaging material

 crates, boxes, packing cases, dunnage, pallets, cable drums and spools/reels



But not for:

- thin pieces of raw wood <=6 mm
- processed wood material, such as plywood, particle board, oriented strand board or veneer, barrels, gift boxes (sufficiently glue, heat or pressure treated or processed)
- sawdust, wood shavings and wood wool
- wood components permanently attached to freight vehicles and containers

Choice of a Measure for Wood Packaging Material

The approved phytosanitary measures includes treatments which are combined with the use of debarked wood and marking of the wood packing material. Based on:

- the range of pests that may be affected
- the efficacy of the measure
- the technical and/or commercial

poice of a Measure for Wood Packaging Material

- 3 main activities in the production of approved WPM (including dunnage):
 - -treating
 - manufacturing
 - marking
- Debarked wood must be used for the construction of WPM
 Protecting the world's plant resources from pests



Re-use of WPM

• If it has been treated and marked in accordance with this standard, it dose not require re-treatment or reapplication of the mark through out the service life of the unit.



Repaired WPM

- Repaired WPM: up to approximately on third of its components removed and replaced.
- only treated wood or processed wood material can be used for the repair
- each added component of treated wood must be marked.



Remanufactured WPM

- Remanufactured WPM: more than approximately on third of its components removed and replaced.
- may incorporate both new and previously used components
- must be retreated and the mark must then be applied anew.

non-compliance at point of entry

- detention
- removal of non-compliant material
- treatment
- destruction or other secure disposal
- reshipment



Approved treatments

- Use of debarked wood
- 2 approved treatments
 - Heat treatment (HT)
 - Methyl bromide treatment (MB)



Debarked wood

- less than 3 cm in width (regardless of the length) or
- greater than 3 cm in width, with the total surface area of an individual piece of bark less than 50 square cm.



Use of debarked wood

- WPM must be made of debarked wood
- For methyl bromide treatment,
 the removal of bark must be carried out before treatment
- For heat treatment,
 the removal of bark can be carried out before or after treatment



Heat treatment (HT)

should be heated in accordance with a specific time-temperature schedule that achieves a minimum wood core temperature of: >56 C and >30 mins e.g.

- Kiln-drying (KD)
- chemical pressure impregnation (CPI), microwave, or other treatments may be considered HT

Protecting the world's plant resources from pests

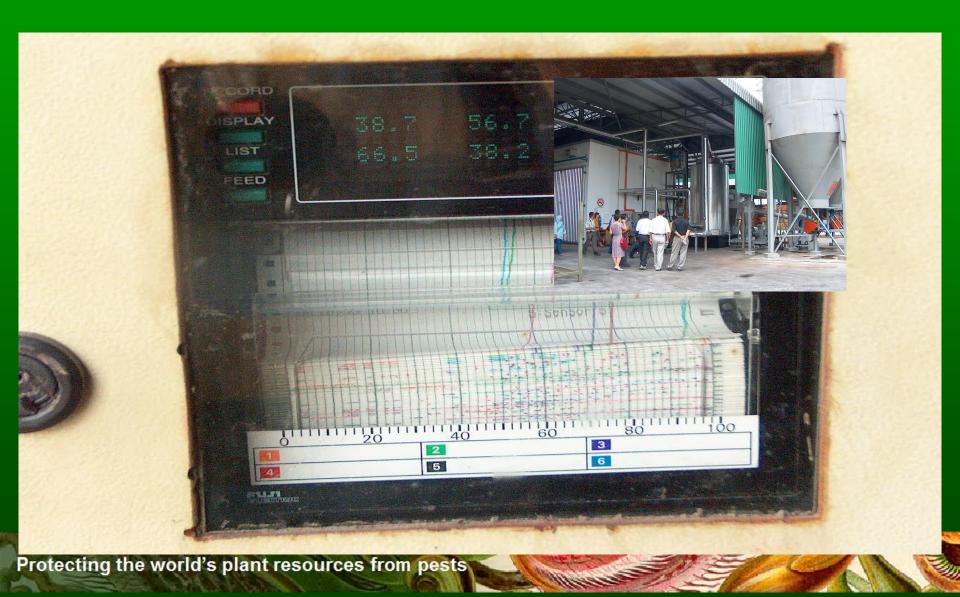
Approved treatments for WPM

Heat treatment (HT) Kiln-drying (KD)



proved treatments for WPM

Heat treatment (HT): Kiln-drying (KD)



Facility for treatment of wood packaging and furniture



roved Measures for Wood Packaging erial Heat treatment (HT): Kiln-drying (KD)



Approved treatments for WPM

Heat treatment (HT): Kiln-drying (KD)



Chemical Pressure



Minimum 56 °C during 30 minutes in the core of the wood

- A reliable limit for killing nematodes
- Kill all stages of insects, eggs, larvae, pupas, adults
- Note! This temperature does not kill all other organisms as fungi, viruses etc.

remperature control



Temperature control



Methyl bromide (MB) fumigation for WPM

The wood packaging material should be fumigated with methyl bromide (MB) according to a prescribed schedule.

CT: the minimum concentration-time product. It is the sum of the product of the concentration (g/m3) and time (h) over the duration of the treatment.

The thyl bromide (MB) fumigation for WPM

Minimum CT over 24hrs for WPM fumigated by

Temperature	CT (g·h/m³) over 24 h	Minimum final concentration (g/m³) after 24 h
21 °C or above	650	24
16 °C or above	800	28
10 °C or above	900	32



MB fumigation

- Tarpaulin Fumigation
- Container Fumigation
- Chamber Fumigation



Tarpaulin Fumigation



Protecting the world's plant resources from pests



Concentration Monitoring



Protecting the world's plant resources from pests





Container fumigation



Protecting the world's plant resources from







Mobile Fumigation Chamber



Protecting the world's plant resources from pests



XX - 000-YY

The mark should at minimum include the:

- symbol;
- country code (ISO two letter)
- producer/ treatment provider code , unique number assigned by the NPPO
- treatment code, IPPC abbreviation according to the approved measure used (e.g. HT, MB).

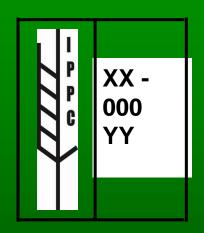


Examples

I P P G









symbol





wood packaging

- Wood packaging producer
- Official system with requirements for approval – Plant Protection Service
- Treatment according to the standard from certified sawmill or other heat treatment
- Documentation of the production process
- Official marking
- A good cooperation with the Plant Protection Service

Certification system

- Technical expertise
- System with requirements for approval
- Sawmill kilns with heating capacity or other heat treatment facilities
- Documentation

Pocumentation and control at a WP producer

- Organized and secure production self control system
- Invoices from purchase of treated wood
- Input and output of treated wood/wood products in the production
- Store and lumberyard
- Marking

Marking should be

- Legible
- Permanent and not transferable
- Placed in a visible location, preferably on at least two opposite sides of the article being certified
- The use of red and orange should be avoided since these colors are are used in labeling of dangerous goods.

responsible for the marking?

- Sawmill with kiln drying
- Producer of wood packaging
- Sawmill and producer in one company
- Company with reparation of certified wood packaging
- Company treating old pallets
- Others, if appropriate



ISPM 15 Marking – more samples





treatments

- New treatment has to be evaluated first
 - draft ISPM: Evaluation of treatment under development
- ISPM 28: IPPC's process for approval of treatments.
- If a new treatment or a revised treatment schedule is adopted, material already treated under the previous treatment and/or schedule does not need to be re-treated or re-marked.



Benefits of ISPM 15

•Reduce the risk of introduction and spread of QPs

•Asian Longhorned Beetle

Anoplophora glabripennis



•Emerald Ash Borer *Agrilus planipennis*



Dutch Elm Disease



•Environmental

ISPM: Replacement or reduction of the use of methyl bromide as a phytosanitary measure (2008)