

ISPM 15: Harmonisation and due diligence

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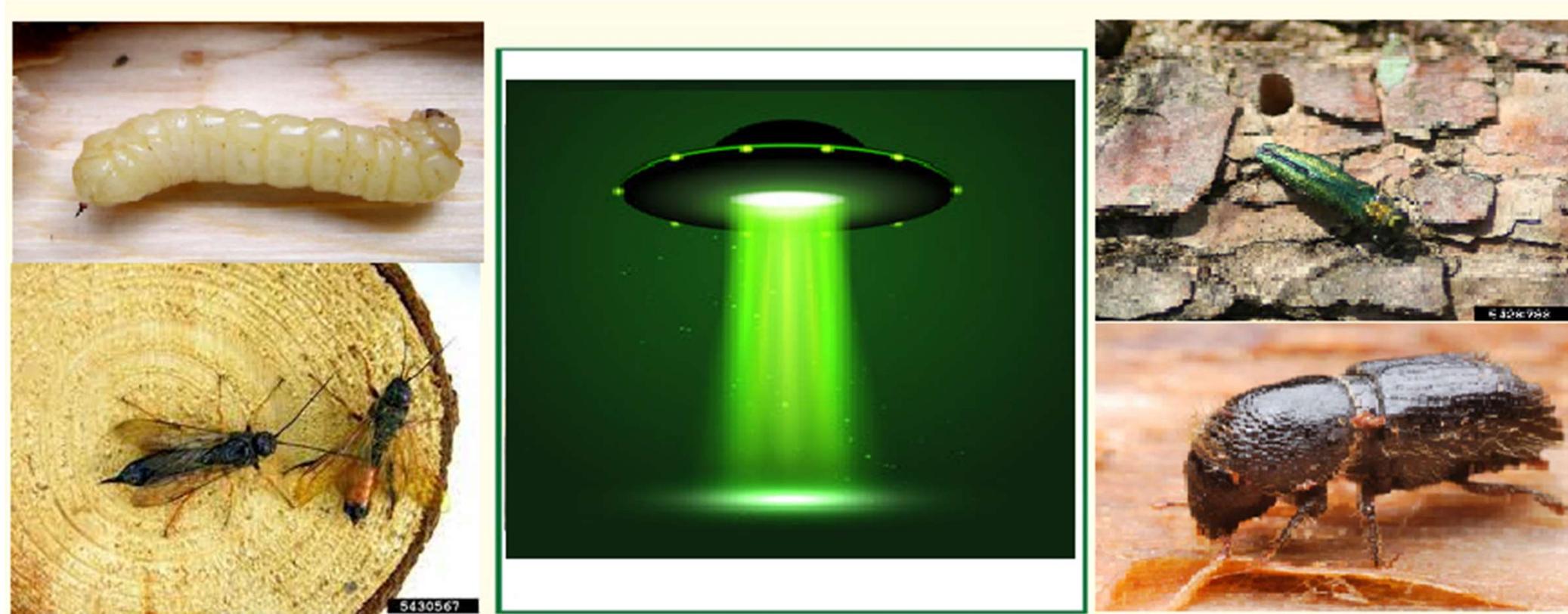


Today we talk about:

- Pest risks associated with wood packaging (Invasive alien species)
- Effectiveness of ISPM 15 in Reducing Infestation Rates of WPM
- ISPM No. 15: Harmonization and Due diligence



PEST RISKS ASSOCIATED WITH WPM



WPM is an ideal medium for transporting bark and woodboring insects, given that it is normally made with green wood and often has some residual bark. Thousands of insect species occur worldwide that develop in tree bark and wood, infesting living, dying, and dead trees, as well as moist, dry, and decaying wood.

| | | | |
|--|-----------------------|---|-------------------------|
|  | residual bark |  | Egg, larva, pupa, adult |
| | inside of wood |  | Egg, larva, pupa |
| | |  | Egg, larva, pupa |
| | crakes, checks/splits |  | Egg, larva, pupa |
| | |  | Nymph, adult |

The purpose of the ISPM-15 program is to significantly reduce the spread of pests (It never said "Eliminate" the risk) with treatment process able to destroys all regulated pests in the WPM before to shipment.

ISPM-15 works, and when it is implemented according to design, it reduces the spread of forest pests.

EFFECTIVENESS OF ISPM 15 IN REDUCING INFESTATION RATES OF WPM



WHY NOT A LARGER DROP?

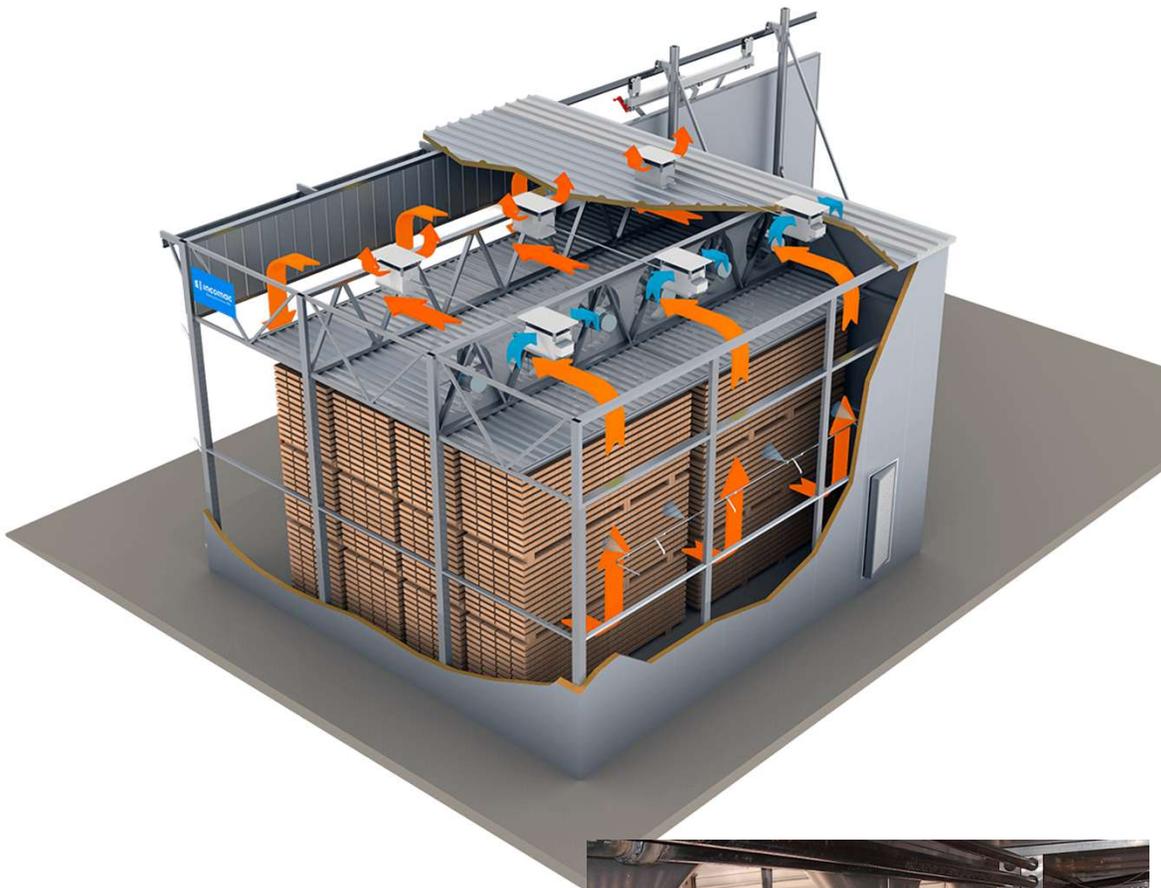
- Pest tolerance of the treatment
- Unintentional noncompliance
- Fraud
- Post-treatment colonization of WPM





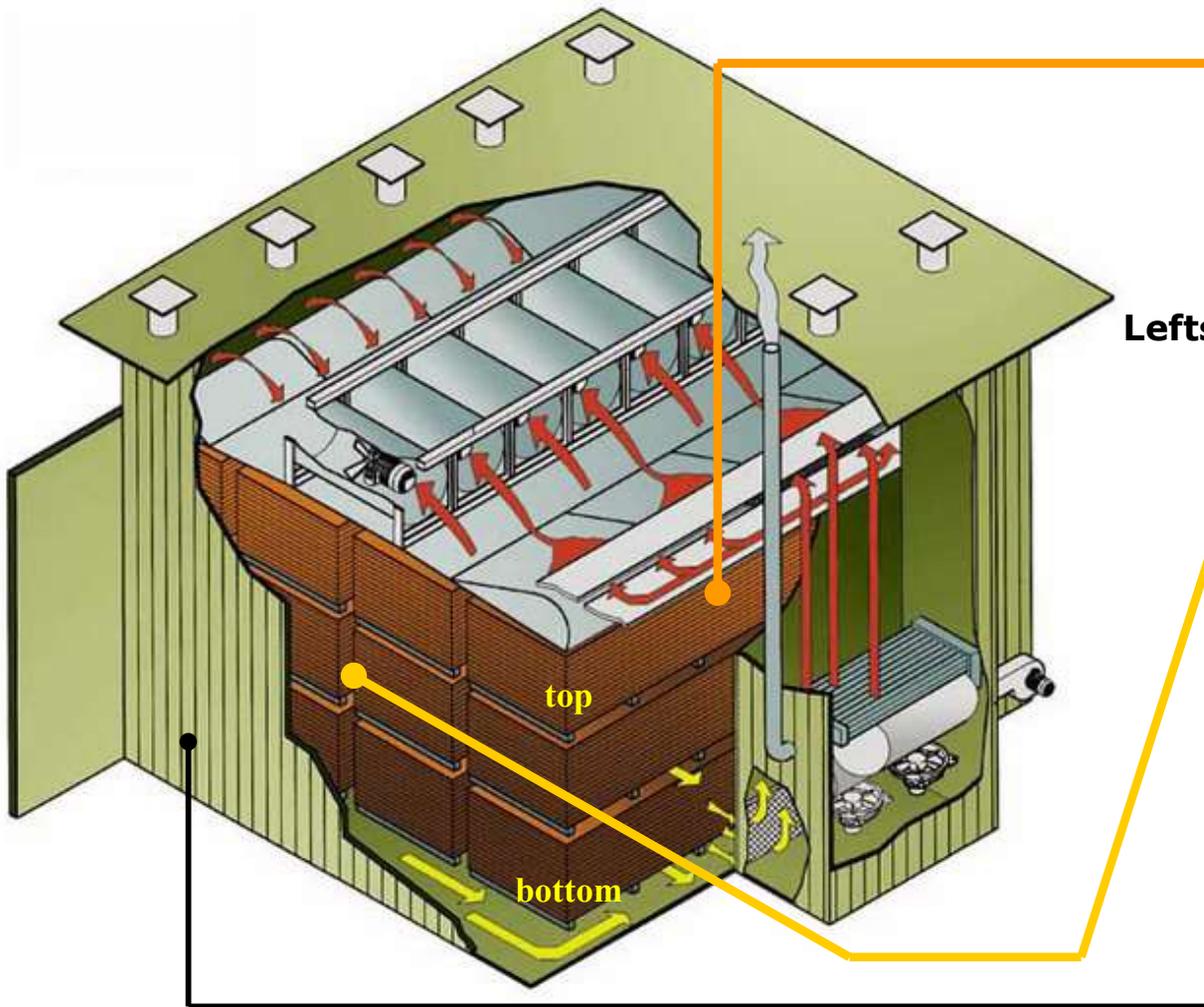
Unintentional non-compliance

ISPM15 HT treatment



ISPM 15 HT treatment

Measurement of temperatures in the cold spots and temperature mapping



| | | |
|------|------|------|
| 75,3 | 75,9 | 74,7 |
| 75,3 | 77,8 | 76,1 |
| 72,8 | 75,4 | 75,7 |

BACK SIDE

Leftside

Right side

| | | |
|-------------|-------------|-------------|
| 73,0 | 73,4 | 73,8 |
| 67,4 | 66,0 | 66,5 |
| 66,1 | 68,4 | 70,7 |

CENTER

| | | |
|------|------|------|
| 76,3 | 78,6 | 80,2 |
| 74,9 | 79,5 | 79,8 |
| 68,9 | 76,0 | 79,7 |

top

bottom

FRONT SIDE





All life stages of bark beetles (Scolytinae) for example, are found primarily in bark or in the phloem tissues just under the bark.

Removal of bark physically eliminates virtually all life stages or exposes inhabited tissues to conditions that are unfavourable to life cycle completion.



Incidence of live insects found in association with residual bark on WPM

| Year ISPM-15 was implemented | Year of survey | Country or region where survey was conducted | Quantity of wood items or consignments inspected | No. of wood items or consignments infested with live insects | Percent of live insects found in association with bark | Reference |
|------------------------------|----------------|--|--|--|--|----------------------------|
| 2004 | 2005 | Australia | 19,522 | 0.5% | 78% | Zahid <i>et al.</i> (2008) |
| 2005 | 2005 | EU | 15,042 | 0.3% | Not given | IFQRG (2006) |
| 2006 | 2006 | USA | 5,945 | 0.1% | 100% | Haack & Petrice 2009 |



ISPM 15: HARMONISATION AND DUE DILIGENCE

IPPC Guide to support the implementation of ISPM 15 (2017-043)

Implementation and Capacity Development Committee (IC) of the IPPC Commission on Phytosanitary Measures (CPM) selected in 2020 experts to participate in the working group (WG) to develop the guide to support the implementation of ISPM 15 (2017-043).



Moreover, in addition to a more homogeneous application of the ISPM 15 requirements, we need a more systemic and effective approach to dealing with the risk of spreading organisms harmful to forests.

Some wood pests are difficult to manage through the application of a single phytosanitary measure and, often insects in WPM are difficult to detect or expensive to treat at destination.



CONCLUSION

Today, many efforts remain to do in order to reduce pest transportation through international trade:

- Further reduction of the spread of invasive wood pests through WPM
- Reductions of the trade barriers by standardizing treatment and marking among countries
- Create framework for countries to communicate with each other when problems with WPM arise
- Promote transparency among ISPM member countries
- Promote more systemic and effective approach (as a due diligence system) to dealing with the risk of spreading organisms harmful to forests.

A photograph of a large audience in a conference room. Many people are leaning back in their chairs, some with their heads resting on their hands or the table, suggesting they are bored or asleep. The text "THANK YOU FOR YOUR ATTENTION" is overlaid in the center of the image in a bold, white, italicized font. The room has large windows with blinds in the background.

***THANK YOU FOR YOUR
ATTENTION***

