Food and Agriculture Organization of the United Nations

International Plant Protection Convention

Department for Environment Food & Rural Affairs

Phytosanitary Treatment Standards

Evaluating Phytosanitary Treatments for International Standards

London, 21 – 23 September 2022

International Plant Health Conference

PROTECTING PLANTS PROTECTING LIFE

Technical Panel for Phytosanitary Treatments (TPPT)

- Established to draft ISPMs for phytosanitray treatments IPPC
- Subject matter experts that have been nominated by IPPC contacting parties based on their level of expertise in developing phytosanitary treatments.

Background

The TPPT first met in 2004, and has since had 15 face-to-face meetings and 42 virtual meetings.

The panel has evaluated 110 submissions made by 22 countries.

(green = submissions)

(orange = meetings)

ISPM 28 for Phytosanitary Treatments

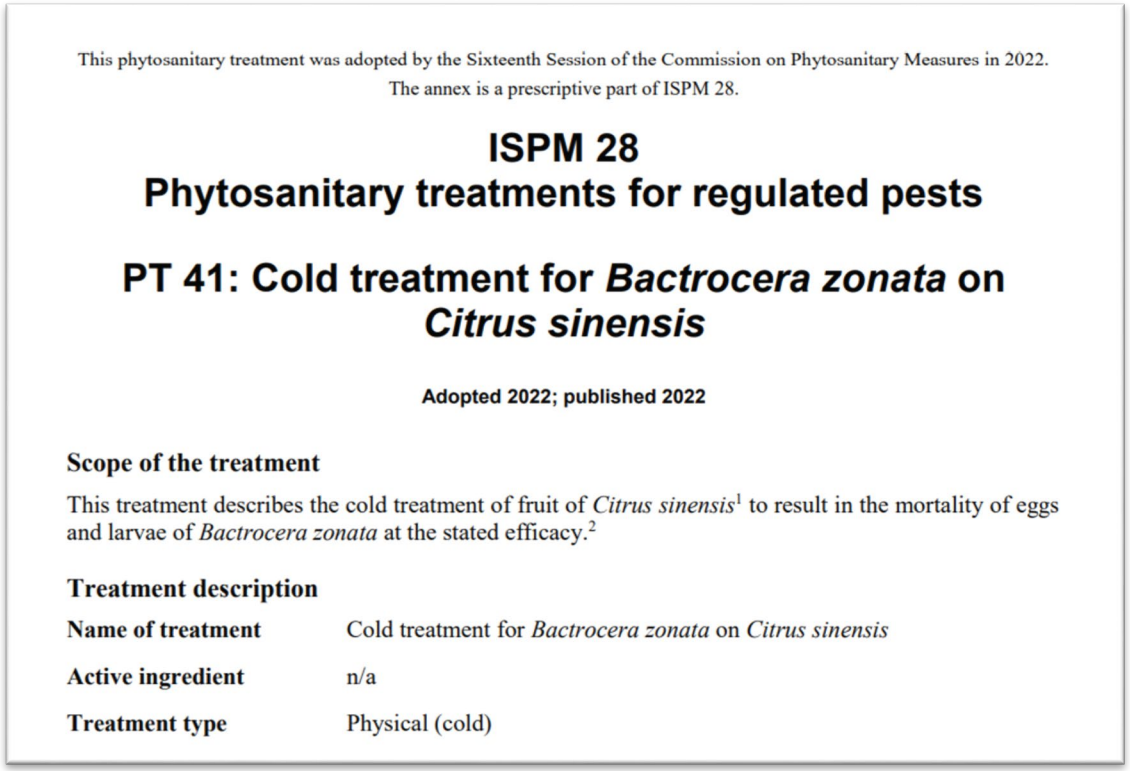
- The TPPT drafted ISPM 28, Phytosanitary treatments for regulated pests.
- This ISPM (ISPM 28) was adopted under the IPPC in 2007 and provides the criteria for PTs
- PTs are annexes to ISPM 28, there are 44 adopted PTs

Treatment Evaluation

The TPPT evaluates treatments against the requirements in ISPM 28.

The Procedure Manual for Standard Setting:

https://www.ippc.int/en/core-activities/ippc-standard-setting-procedure-manual/



This phytosanitary treatment was adopted by the Sixteenth Session of the Commission on Phytosanitary Measures in 2022.
The annex is a prescriptive part of ISPM 28.

ISPM 28
Phytosanitary treatments for regulated pests

PT 41: Cold treatment for *Bactrocera zonata* on *Citrus sinensis*

Adopted 2022; published 2022

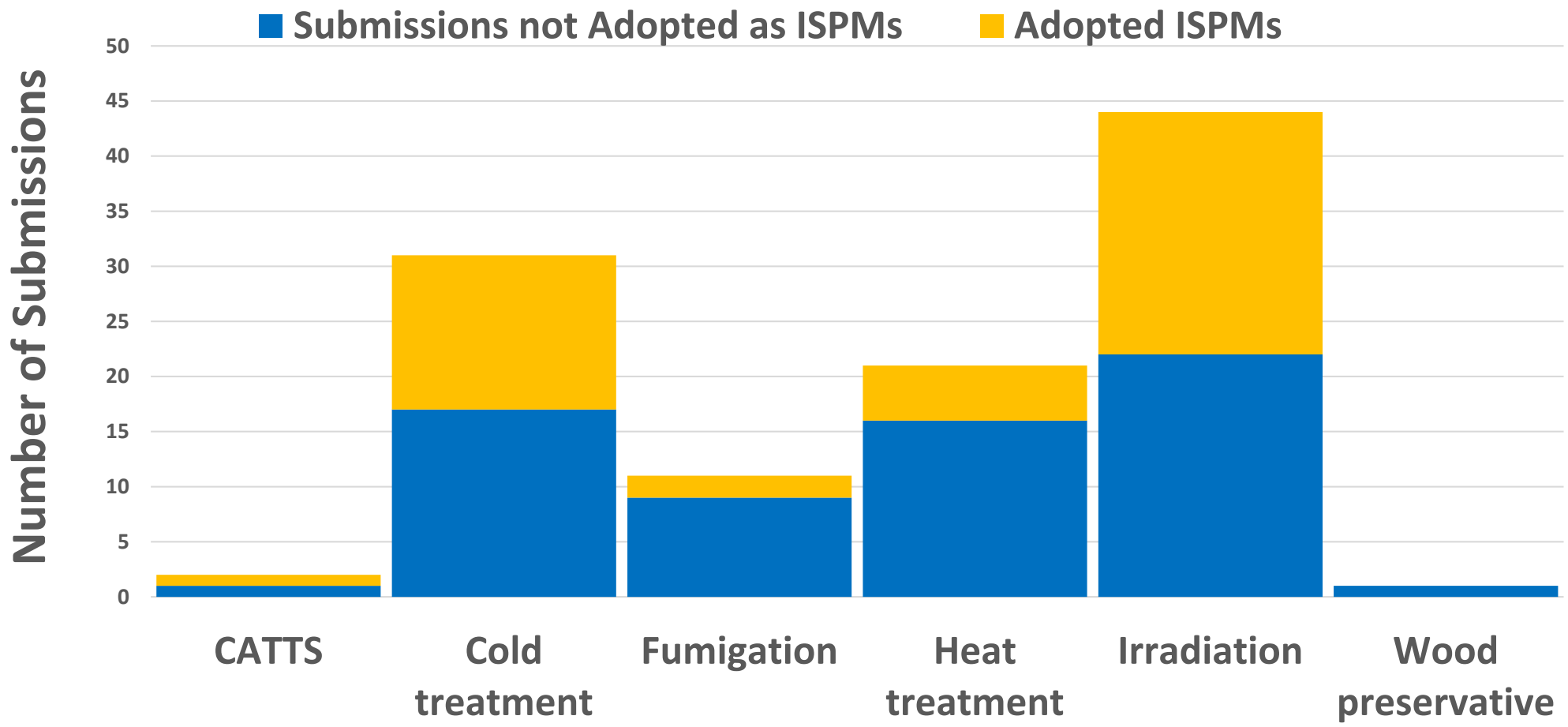
Scope of the treatment

This treatment describes the cold treatment of fruit of *Citrus sinensis*[1] to result in the mortality of eggs and larvae of *Bactrocera zonata* at the stated efficacy.[2]

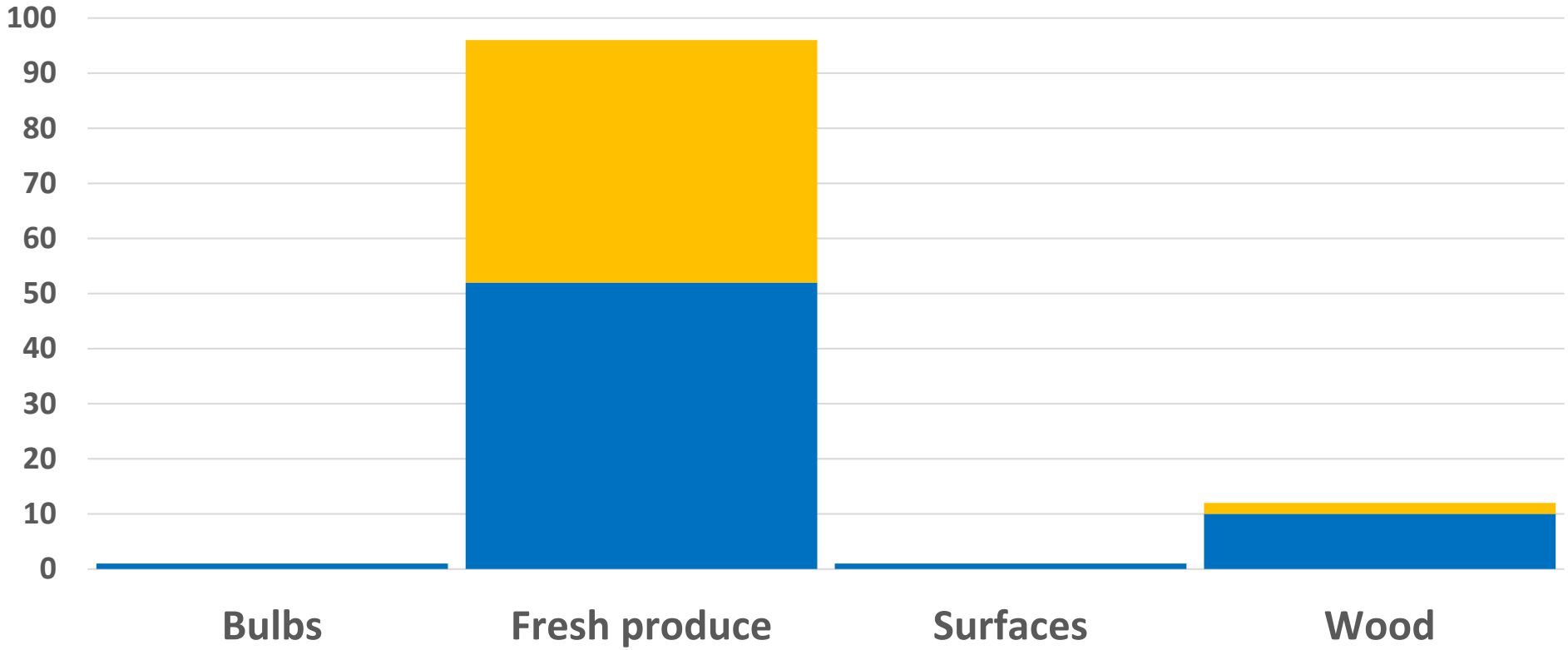
Treatment description

Name of treatment	Cold treatment for *Bactrocera zonata* on *Citrus sinensis*
Active ingredient	n/a
Treatment type	Physical (cold)

TPPT Outputs



TPPT Outputs: Commodity Types



TPPT Drafted Standards

- ISPM 42 - Requirements for the use of temperature treatments as phytosanitary measures
- ISPM 43 - Requirements for the use of fumigation as a phytosanitary measure
- ISPM 44 - Requirements for the use of modified atmosphere treatments as phytosanitary measures

Future Work of the TPPT

- Encourage new high-quality submissions
- 2000+ phytosanitary treatments used in international trade
- NPPOs and RPPOs are encouraged to submit phytosanitary treatments for evaluation

Case Study: Generic Irradiation for Tephritidae

- PT 07 (2009): 150 Gy
- Fast-tracked bilateral negotiations involving PI phytosanitary irradiation.
- ISPM 28 can simplify trade negotiations.
- Australia has negotiated 20+ bilateral protocols.

Case Study: Generic Irradiation for Tephritidae

- A generic treatment provides protection from new incursions.
- Less reliance on industry and NPPOs to fund research.
- Generic treatments will be essential to support the adoption of the **Commodity-specific standards for phytosanitary measures** which is a high priority in the IPPC strategic framework

Proposing New Phytosanitary Treatments

TPPT Drafted Research Guidelines

- Accurate pest identification
- Infestation technique
- Determining endpoint/ measure of mortality
- Most tolerant stage
- Appropriate controls (untreated)
- Number of treated pests: large-scale testing
- Utility of the PT, including commodity quality

A streamlined process for developing PTs – only one consultation if there are no significant concerns

Facilitating New Treatment Submissions

- NPPO and RPPOs can encourage new submissions
- Support researchers submitting new PTs
- IPPC resources
- TPPT support

CALL FOR PHYTOSANITARY TREATMENTS

Posted on Fri, 10 Feb 2017, 11:01

Deadline on Mon, 05 Jun 2017, 21:55

The International Plant Protection Convention (IPPC) Secretariat is soliciting submissions for:

Food and Agriculture Organization of the United Nations

International Plant Protection Convention

Department for Environment Food & Rural Affairs

London, 21 – 23 September 2022

International Plant Health Conference

Thank you!

Scott Myers

Assistant Director
Forest Pest Methods Laboratory
USDA – Plant Protection and Quarantine – Science & Technology

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