



# Adopted International Standards for Phytosanitary Measures (ISPMs)

Texts of adopted standards are available at: <https://www.ippc.int/core-activities/standards-setting/ispms>

Other FAO language versions of this list are available at: <https://www.ippc.int/en/publications/626/>

## **Legend:**

\* Standard under revision

\*\* New supplement, annex or appendix under development

*Updated 2026-03-25*

|          |  |
|----------|--|
| ISPM 1   | <i>Phytosanitary principles for the protection of plants and the application of phytosanitary measures in international trade</i> (adopted in 1993, revised in 2006)   |
| ISPM 2*  | <i>Framework for pest risk analysis</i> (adopted in 1995, revised in 2007)   |
| ISPM 3*  | <i>Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms</i> (adopted in 1995, revised in 2005)  |
| ISPM 4   | <i>Requirements for the establishment of pest free areas</i> (adopted in 1995, revised in 2024)  |
| ISPM 5   | <i>Glossary of phytosanitary terms</i> (updated as needed) <ul style="list-style-type: none"><li>- Supplement 1: Guidelines on the interpretation and application of the concept of “official control” and “not widely distributed” (2012)</li><li>- Supplement 2: Guidelines on the understanding of “potential economic importance” and related terms including reference to environmental considerations (2003)</li><li>- Appendix 1: Terminology of the Convention on Biological Diversity in relation to the Glossary of phytosanitary terms (2009)</li></ul> |
| ISPM 6   | <i>Surveillance</i> (adopted in 1997, revised in 2018)   |
| ISPM 7   | <i>Phytosanitary certification system</i> (adopted in 1997, revised in 2011)   |
| ISPM 8*  | <i>Determination of pest status in an area</i> (adopted in 1998, revised in 2021)  |
| ISPM 9   | <i>Guidelines for pest eradication programmes</i> (adopted in 1998)  |
| ISPM 10  | <i>Requirements for the establishment of pest free places of production and pest free production sites</i> (adopted in 1999)   |
| ISPM 11* | <i>Pest risk analysis for quarantine pests</i> (adopted in 2001, revised in 2004 and 2013)   |
| ISPM 12* | <i>Phytosanitary certificates</i> (adopted in 2001, revised in 2011 and 2022) <ul style="list-style-type: none"><li>- Appendix 1: Electronic phytosanitary certificates, information on standard XML schemas and exchange mechanisms (2014)</li></ul>  |

- ISPM 13 *Guidelines for the notification of non-compliance and emergency action* (adopted in 2001)
- ISPM 14 *The use of integrated measures in a systems approach for pest risk management* (adopted in 2002)
- ISPM 15 *Regulation of wood packaging material in international trade* (adopted in 2002, revised in 2009, Annex 1 and 2 revised in 2013 and in 2018)
- ISPM 16 *Regulated non-quarantine pests: concept and application* (adopted in 2002)
- ISPM 17 *Pest reporting* (adopted in 2002)
- ISPM 18 *Requirements for the use of irradiation as a phytosanitary measure* (adopted in 2003, revised in 2023)
- ISPM 19 *Guidelines on lists of regulated pests* (adopted in 2003)
- ISPM 20 *Guidelines for a phytosanitary import regulatory system* (adopted in 2004, revised in 2017 and 2023)
- Annex 1: Arrangements for verification of compliance of consignments by the importing country in the exporting country (2017)
  - Annex 2: Use of specific import authorizations (2023)
- ISPM 21 *Pest risk analysis for regulated non-quarantine pests* (adopted in 2004)
- ISPM 22 *Requirements for the establishment of areas of low pest prevalence* (adopted in 2005)
- ISPM 23\* *Guidelines for inspection* (adopted in 2005)
- ISPM 24 *Guidelines for the determination and recognition of equivalence of phytosanitary measures* (adopted in 2005)
- ISPM 25 *Consignments in transit* (adopted in 2006)
- ISPM 26 *Establishment and maintenance of pest free areas for tephritid fruit flies* (adopted in 2006, revised in 2014, 2015 and 2026)
- Appendix 1: Fruit fly trapping (2011)
  - Annex 2: Control measures for an outbreak within a fruit fly-pest free area (2014)
  - Annex 3: Phytosanitary procedures for fruit fly management (2015)
- ISPM 27 *Diagnostic protocols for regulated pests* (adopted in 2006)
- DP 1: Diagnostic protocol for *Thrips palmi* Karny (2010)
  - DP 2: Diagnostic protocol for *Plum pox virus* (2012, revised in 2018)
  - \*DP 3: Diagnostic protocol for *Trogoderma granarium* Everts (2012)
  - DP 4: Diagnostic protocol for *Tilletia indica* Mitra (2014)
  - \*DP 5: Diagnostic protocol for *Phyllosticta citricarpa* (McAlpine) Aa on fruit (2014)
  - DP 6: Diagnostic protocol for *Xanthomonas citri* subsp. *citri* (2014)
  - DP 7: Diagnostic protocol for *Potato spindle tuber viroid* (2015)
  - DP 8: Diagnostic protocol for *Ditylenchus dipsaci* and *Ditylenchus destructor* (2015)
  - DP 9: Diagnostic protocol for Genus *Anastrepha* (2015, revised in 2024)
  - DP 10: Diagnostic protocol for *Bursaphelenchus xylophilus* (2016)
  - DP 11: Diagnostic protocol for *Xiphinema americanum sensu lato* (2016)
  - DP 12: Diagnostic protocol for Phytoplasmas (2016)
  - DP 13: Diagnostic protocol for *Erwinia amylovora* (2016)
  - DP 14: Diagnostic protocol for *Xanthomonas fragariae* (2016)
  - DP 15: Diagnostic protocol for *Citrus tristeza virus* (2016)
  - DP 16: Diagnostic protocol for Genus *Liriomyza* (2016)
  - DP 17: Diagnostic protocol for *Aphelenchoides besseyi*, *A. fragariae* and *A. ritzemabosi* (2016)

- DP 18: Diagnostic protocol for *Anguina* spp. (2017)
- DP 19: Diagnostic protocol for *Sorghum halepense* (2017)
- DP 20: Diagnostic protocol for *Dendroctonus ponderosae* (2017)
- DP 21: Diagnostic protocol for ‘*Candidatus Liberibacter solanacearum*’ (2017)
- DP 22: Diagnostic protocol for *Fusarium circinatum* (2017)
- DP 23: Diagnostic protocol for *Phytophthora ramorum* (2017)
- DP 24: Diagnostic protocol for *Tomato spotted wilt virus*, *Impatiens necrotic spot virus* and *Watermelon silver mottle virus* (2017)
- DP 25: Diagnostic protocol for *Xylella fastidiosa* (2018, revised in 2024)
- DP 26: Diagnostic protocol for *Austropuccinia psidii* (2018)
- DP 27: Diagnostic protocol for *Ips* spp. (2018, revised in 2024)
- DP 28: Diagnostic protocol for *Conotrachelus nenuphar* (2018)
- DP 29: Diagnostic protocol for *Bactrocera dorsalis* (2019)
- DP 30: Diagnostic protocol for *Striga* spp. (2021)
- DP 31: Diagnostic protocol for ‘*Candidatus Liberibacter*’ spp. on *Citrus* spp. (2022)
- DP 32: Diagnostic protocol for Genus *Ceratitidis* (2023)
- DP 33: Diagnostic protocol for *Mononychellus tanajoa* (2023)
- DP 34: Diagnostic protocol for *Heterobasidion annosum sensu lato* (2025)
- DP 35: Diagnostic protocol for *Meloidogyne mali* (2025)
- DP 36: Diagnostic protocol for Genus *Pospiviroid* (2025)

ISPM 28

*Phytosanitary treatments for regulated pests* (adopted in 2007)

- PT 1: **Revoked.** Irradiation treatment for *Anastrepha ludens* (2009). Covered by PT 39)
- PT 2: **Revoked.** Irradiation treatment for *Anastrepha obliqua* (2009). Covered by PT 39)
- PT 3: **Revoked.** Irradiation treatment for *Anastrepha serpentina* (2009). Covered by PT 39)
- PT 4: Irradiation treatment for *Bactrocera jarvisi* (2009)
- PT 5: Irradiation treatment for *Bactrocera tryoni* (2009)
- PT 6: Irradiation treatment for *Cydia pomonella* (2009)
- PT 7: Irradiation treatment for fruit flies of the family Tephritidae (generic) (2009)
- PT 8: Irradiation treatment for *Rhagoletis pomonella* (2009)
- PT 9: Irradiation treatment for *Conotrachelus nenuphar* (2010)
- PT 10: Irradiation treatment for *Grapholita molesta* (2010)
- PT 11: Irradiation treatment for *Grapholita molesta* under hypoxia (2010)
- PT 12: Irradiation treatment for *Cylas formicarius elegantulus* (2011)
- PT 13: Irradiation treatment for *Eusepeus postfasciatus* (2011)
- PT 14: Irradiation treatment for *Ceratitidis capitata* (2011)
- PT 15: Vapour heat treatment for *Bactrocera cucurbitae* on *Cucumis melo* var. *reticulatus* (2014)
- PT 16: Cold treatment for *Bactrocera tryoni* on *Citrus sinensis* (2015)
- PT 17: Cold treatment for *Bactrocera tryoni* on *Citrus reticulata* x *C. sinensis* (2015)
- PT 18: Cold treatment for *Bactrocera tryoni* on *Citrus limon* (2015)
- PT 19: Irradiation treatment for *Dysmicoccus neobrevipes*, *Planococcus lilacinus* and *Planococcus minor* (2015)
- PT 20: Irradiation treatment for *Ostrinia nubilalis* (2016)
- PT 21: Vapour heat treatment for *Bactrocera melanotus* and *Bactrocera xanthodes* on *Carica papaya* (2016)
- PT 22: Sulphuryl fluoride fumigation treatment for insects in debarked wood (2017)
- PT 23: Sulphuryl fluoride fumigation treatment for nematodes and insects in debarked wood (2017)
- PT 24: Cold treatment for *Ceratitidis capitata* on *Citrus sinensis* (2017)
- PT 25: Cold treatment for *Ceratitidis capitata* on *Citrus reticulata* x *C. sinensis* (2017)
- PT 26: Cold treatment for *Ceratitidis capitata* on *Citrus limon* (2017)

- PT 27: Cold treatment for *Ceratitis capitata* on *Citrus paradisi* (2017)
  - PT 28: Cold treatment for *Ceratitis capitata* on *Citrus reticulata* (2017)
  - PT 29: Cold treatment for *Ceratitis capitata* on *Citrus clementina* (2017)
  - PT 30: Vapour heat treatment for *Ceratitis capitata* on *Mangifera indica* (2017)
  - PT 31: Vapour heat treatment for *Bactrocera tryoni* on *Mangifera indica* (2017)
  - PT 32: Vapour heat treatment for *Bactrocera dorsalis* on *Carica papaya* (2018)
  - PT 33: Irradiation treatment for *Bactrocera dorsalis* (2021)
  - PT 34: Cold treatment for *Ceratitis capitata* on *Prunus avium*, *Prunus salicina* and *Prunus persica* (2021)
  - PT 35: Cold treatment for *Bactrocera tryoni* on *Prunus avium*, *Prunus salicina* and *Prunus persica* (2021)
  - PT 36: Cold treatment for *Ceratitis capitata* on *Vitis vinifera* (2021)
  - PT 37: Cold treatment for *Bactrocera tryoni* on *Vitis vinifera* (2021)
  - PT 38: Irradiation treatment for *Carposina sasakii* (2021)
  - PT 39: Irradiation treatment for the genus *Anastrepha* (2021)
  - PT 40: Irradiation treatment for Tortricidae on fruits (2022)
  - PT 41: Cold treatment for *Bactrocera zonata* on *Citrus sinensis* (2022)
  - PT 42: Irradiation treatment for *Zeugodacus tau* (2022)
  - PT 43: Irradiation treatment for *Sternochetus frigidus* (2022)
  - PT 44: Vapour heat-modified atmosphere treatment for *Cydia pomonella* and *Grapholita molesta* on *Malus pumila* and *Prunus persica* (2022)
  - PT 45: Irradiation treatment for *Pseudococcus jackbeardsleyi* (2023)
  - PT 46: Cold treatment for *Thaumatotibia leucotreta* on *Citrus sinensis* (2024)
  - PT 47: Irradiation treatment for *Planococcus lilacinus* (2026)
  - PT 48: Irradiation treatment for *Paracoccus marginatus* (2026)
  - PT 49: Irradiation treatment for *Pseudococcus baliteus* (2026)
- ISPM 29      *Recognition of pest free areas and areas of low pest prevalence* (adopted in 2007)
- ISPM 30      **Revoked.** *Establishment of areas of low pest prevalence for fruit flies (Tephritidae)* (adopted in 2008. Incorporated as an annex to ISPM 35 in 2018)
- ISPM 31      *Methodologies for sampling of consignments* (adopted in 2008)
- ISPM 32      *Categorization of commodities according to their pest risk* (adopted in 2009)
- ISPM 33      *Pest free potato (Solanum spp.) micropropagative material and minitubers for international trade* (adopted in 2010)
- ISPM 34      *Design and operation of post-entry quarantine stations for plants* (adopted in 2010)
- ISPM 35      *Systems approach for pest risk management of fruit flies (Tephritidae)* (adopted in 2012)
- ISPM 36      *Integrated measures for plants for planting* (adopted in 2012)
- ISPM 37      *Determination of host status of fruit to fruit flies (Tephritidae)* (adopted in 2016, revised in 2024)
- Annex 1: Criteria for evaluation of available information for determining host status of fruit to fruit flies (Tephritidae) (2024)
- ISPM 38\*\*    *International movement of seeds* (adopted in 2017)
- ISPM 39      *International movement of wood* (adopted in 2017, revised in 2025)
- Annex 1: Use of systems approaches in managing the pest risk associated with the movement of wood (2025)
- ISPM 40      *International movement of growing media in association with plants for planting* (adopted in 2017)
- ISPM 41      *International movement of used vehicles, machinery and equipment* (adopted in 2017)

- ISPM 42            *Requirements for the use of temperature treatments as phytosanitary measures* (adopted in 2018)
- ISPM 43            *Requirements for the use of fumigation as a phytosanitary measure* (adopted in 2019)
- ISPM 44            *Requirements for the use of modified atmosphere treatments as phytosanitary measures* (adopted in 2021)
- ISPM 45            *Requirements for national plant protection organizations if authorizing entities to perform phytosanitary actions* (adopted in 2021)
- ISPM 46            *Commodity-specific standards for phytosanitary measures* (adopted in 2022)  
- CS 1: International movement of fresh *Mangifera indica* fruit (2025)
- ISPM 47\*\*        *Audit in the phytosanitary context* (adopted in 2022)
- ISPM 48            *Field inspection* (adopted in 2026)