



Adopted **International Standards for Phytosanitary Measures (ISPM)**

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

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 2025-07-12

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">- Supplement 1: Guidelines on the interpretation and application of the concept of “official control” and “not widely distributed” (2012)- Supplement 2: Guidelines on the understanding of “potential economic importance” and related terms including reference to environmental considerations (2003)- Appendix 1: Terminology of the Convention on Biological Diversity in relation to the Glossary of phytosanitary terms (2009)
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">- Appendix 1: Electronic phytosanitary certificates, information on standard XML schemas and exchange mechanisms (2014)

ISPM 13	<i>Guidelines for the notification of non-compliance and emergency action</i> (adopted in 2001)
ISPM 14	<i>The use of integrated measures in a systems approach for pest risk management</i> (adopted in 2002)
ISPM 15	<i>Regulation of wood packaging material in international trade</i> (adopted in 2002, revised in 2009, Annex 1 and 2 revised in 2013 and in 2018)
ISPM 16	<i>Regulated non-quarantine pests: concept and application</i> (adopted in 2002)
ISPM 17	<i>Pest reporting</i> (adopted in 2002)
ISPM 18	<i>Requirements for the use of irradiation as a phytosanitary measure</i> (adopted in 2003, revised in 2023)
ISPM 19	<i>Guidelines on lists of regulated pests</i> (adopted in 2003)
ISPM 20	<i>Guidelines for a phytosanitary import regulatory system</i> (adopted in 2004, revised in 2017 and 2023) <ul style="list-style-type: none"> - 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	<i>Pest risk analysis for regulated non-quarantine pests</i> (adopted in 2004)
ISPM 22	<i>Requirements for the establishment of areas of low pest prevalence</i> (adopted in 2005)
ISPM 23*, **	<i>Guidelines for inspection</i> (adopted in 2005)
ISPM 24	<i>Guidelines for the determination and recognition of equivalence of phytosanitary measures</i> (adopted in 2005)
ISPM 25	<i>Consignments in transit</i> (adopted in 2006)
ISPM 26*	<i>Establishment of pest free areas for fruit flies (Tephritidae)</i> (adopted in 2006, revised in 2014 and 2015) <ul style="list-style-type: none"> - 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	<i>Diagnostic protocols for regulated pests</i> (adopted in 2006) <ul style="list-style-type: none"> - DP 1: Diagnostic protocol for <i>Thrips palmi</i> Karny (2010) - DP 2: Diagnostic protocol for <i>Plum pox virus</i> (2012, revised in 2018) - *DP 3: Diagnostic protocol for <i>Trogoderma granarium</i> Everts (2012) - DP 4: Diagnostic protocol for <i>Tilletia indica</i> Mitra (2014) - *DP 5: Diagnostic protocol for <i>Phyllosticta citricarpa</i> (McAlpine) Aa on fruit (2014) - DP 6: Diagnostic protocol for <i>Xanthomonas citri</i> subsp. <i>citri</i> (2014) - DP 7: Diagnostic protocol for <i>Potato spindle tuber viroid</i> (2015) - DP 8: Diagnostic protocol for <i>Ditylenchus dipsaci</i> and <i>Ditylenchus destructor</i> (2015) - DP 9: Diagnostic protocol for Genus <i>Anastrepha</i> (2015, revised in 2024) - DP 10: Diagnostic protocol for <i>Bursaphelenchus xylophilus</i> (2016) - DP 11: Diagnostic protocol for <i>Xiphinema americanum sensu lato</i> (2016) - DP 12: Diagnostic protocol for Phytoplasmas (2016) - DP 13: Diagnostic protocol for <i>Erwinia amylovora</i> (2016) - DP 14: Diagnostic protocol for <i>Xanthomonas fragariae</i> (2016) - DP 15: Diagnostic protocol for <i>Citrus tristeza virus</i> (2016) - DP 16: Diagnostic protocol for Genus <i>Liriomyza</i> (2016) - DP 17: Diagnostic protocol for <i>Aphelenchoides besseyi</i>, <i>A. fragariae</i> and <i>A. ritzemabosi</i> (2016) - DP 18: Diagnostic protocol for <i>Anguina</i> 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 *Ceratitis* (2023)
- DP 33: Diagnostic protocol for *Mononychellus tanajoa* (2023)
- DP 34: Diagnostic protocol for *Heterobasidion annosum sensu lato* (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 *Euscepes postfasciatus* (2011)
- PT 14: Irradiation treatment for *Ceratitis 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 *Ceratitis capitata* on *Citrus sinensis* (2017)
- PT 25: Cold treatment for *Ceratitis capitata* on *Citrus reticulata* x *C. sinensis* (2017)
- PT 26: Cold treatment for *Ceratitis 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)

	<ul style="list-style-type: none"> - PT 30: Vapour heat treatment for <i>Ceratitis capitata</i> on <i>Mangifera indica</i> (2017) - PT 31: Vapour heat treatment for <i>Bactrocera tryoni</i> on <i>Mangifera indica</i> (2017) - PT 32: Vapour heat treatment for <i>Bactrocera dorsalis</i> on <i>Carica papaya</i> (2018) - PT 33: Irradiation treatment for <i>Bactrocera dorsalis</i> (2021) - PT 34: Cold treatment for <i>Ceratitis capitata</i> on <i>Prunus avium</i>, <i>Prunus salicina</i> and <i>Prunus persica</i> (2021) - PT 35: Cold treatment for <i>Bactrocera tryoni</i> on <i>Prunus avium</i>, <i>Prunus salicina</i> and <i>Prunus persica</i> (2021) - PT 36: Cold treatment for <i>Ceratitis capitata</i> on <i>Vitis vinifera</i> (2021) - PT 37: Cold treatment for <i>Bactrocera tryoni</i> on <i>Vitis vinifera</i> (2021) - PT 38: Irradiation treatment for <i>Carposina sasakii</i> (2021) - PT 39: Irradiation treatment for the genus <i>Anastrepha</i> (2021) - PT 40: Irradiation treatment for Tortricidae on fruits (2022) - PT 41: Cold treatment for <i>Bactrocera zonata</i> on <i>Citrus sinensis</i> (2022) - PT 42: Irradiation treatment for <i>Zeugodacus tau</i> (2022) - PT 43: Irradiation treatment for <i>Sternochetus frigidus</i> (2022) - PT 44: Vapour heat-modified atmosphere treatment for <i>Cydia pomonella</i> and <i>Grapholita molesta</i> on <i>Malus pumila</i> and <i>Prunus persica</i> (2022) - PT 45: Irradiation treatment for <i>Pseudococcus jackbeardsleyi</i> (2023) - PT 46: Cold treatment for <i>Thaumatotibia leucotreta</i> on <i>Citrus sinensis</i> (2024)
ISPM 29	<i>Recognition of pest free areas and areas of low pest prevalence</i> (adopted in 2007)
ISPM 30	Revoked. <i>Establishment of areas of low pest prevalence for fruit flies (Tephritidae)</i> (adopted in 2008. Incorporated as an annex to ISPM 35 in 2018)
ISPM 31	<i>Methodologies for sampling of consignments</i> (adopted in 2008)
ISPM 32	<i>Categorization of commodities according to their pest risk</i> (adopted in 2009)
ISPM 33	<i>Pest free potato (Solanum spp.) micropropagative material and minitubers for international trade</i> (adopted in 2010)
ISPM 34	<i>Design and operation of post-entry quarantine stations for plants</i> (adopted in 2010)
ISPM 35	<i>Systems approach for pest risk management of fruit flies (Tephritidae)</i> (adopted in 2012)
ISPM 36	<i>Integrated measures for plants for planting</i> (adopted in 2012)
ISPM 37	<p><i>Determination of host status of fruit to fruit flies (Tephritidae)</i> (adopted in 2016 and in 2024, following addition of Annex 1)</p> <ul style="list-style-type: none"> - Annex 1: Criteria for evaluation of available information for determining host status of fruit to fruit flies (Tephritidae) (2024)
ISPM 38**	<i>International movement of seeds</i> (adopted in 2017)
ISPM 39	<p><i>International movement of wood</i> (adopted in 2017, revised in 2025)</p> <ul style="list-style-type: none"> - Annex 1: Use of systems approaches in managing the pest risk associated with the movement of wood (2025)
ISPM 40	<i>International movement of growing media in association with plants for planting</i> (adopted in 2017)
ISPM 41	<i>International movement of used vehicles, machinery and equipment</i> (adopted in 2017)
ISPM 42	<i>Requirements for the use of temperature treatments as phytosanitary measures</i> (adopted in 2018)
ISPM 43	<i>Requirements for the use of fumigation as a phytosanitary measure</i> (adopted in 2019)
ISPM 44	<i>Requirements for the use of modified atmosphere treatments as phytosanitary measures</i> (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)