

European and Mediterranean Plant Protection Organization  
Organisation Européenne et Méditerranéenne pour la Protection des Plantes

# Normes OEPP EPPO Standards

Phytosanitary treatments  
Traitements phytosanitaires

PM 10/25 (1), PM 10/26 (1).



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## Approval

EPPO Standards are approved by EPPO Council. The date of approval appears in each individual standard. In the terms of Article II of the IPPC, EPPO Standards are Regional Standards for the members of EPPO.

## Review

EPPO Standards are subject to periodic review and amendment. The next review date for this set of EPPO Standards is decided by the EPPO Working Party on Phytosanitary Regulations.

## Amendment record

Amendments will be issued as necessary, numbered and dated. The dates of amendment appear in each individual standard (as appropriate).

## Scope

EPPO Standards on phytosanitary treatments are intended to be used by National Plant Protection Organizations, in their capacity as bodies responsible for the treatment of plants and plant products moving in trade.

## References

- EPPO/CABI (1997) *Quarantine Pests for Europe*, 2nd edn. CAB International, Wallingford (GB).
- EU (2000) Council Directive 2000/29/EC of 8 May 2000 on protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the community. *Official Journal of the European Communities* No. L169, 1–112.
- FAO (1997) *International Plant Protection Convention (new revised text)*. FAO, Rome (IT).
- FAO (2003) *Guidelines for the Use of Irradiation as a Phytosanitary Measure*. ISPM 8, FAO, Rome (IT).
- FAO (2007) *Glossary of Phytosanitary Terms*. ISPM 5., FAO, Rome (IT).
- FAO (2007) *Phytosanitary Treatments for Regulated Pests*. ISPM 28., FAO, Rome (IT).
- FAO (2008) Replacement or Reduction of the Use of Methyl Bromide as a Phytosanitary Measure (IPPC Recommendation).
- OEPP/EPPO (1996) *Illustrations of Quarantine Pests for Europe*. EPPO, Paris (FR).
- OEPP/EPPO (2018) EPPO Standard PM 1/2 EPPO A1 and A2 lists of pest recommended for regulation in EPPO Countries. In EPPO Standards: General phytosanitary measures. EPPO, EPPO Global Database <https://gd.ippo.int/> (accessed on 11 September 2018).

## Definitions

Definitions of phytosanitary terms used in the EPPO standards on Phytosanitary treatments can be found in FAO Glossary of Phytosanitary Terms ISPM 5, which is updated yearly.

*Fumigation*: treatment with a chemical agent that reaches the commodity wholly or primarily in a gaseous state.

*Gray*: Unit of absorbed irradiation dose where 1 Gy is equivalent to the absorption of 1 joule per kilogram (1 Gy = 1 J/kg). *Ionizing radiation*: charged particles and electromagnetic waves that as a result of physical interaction create ions by either primary or secondary processes.

*Irradiation*: treatment with any type of ionizing radiation.

*Phytosanitary procedure*: any official method for implementing phytosanitary measures including the performance of inspections, tests, surveillance or treatments in connection with regulated pests.

*Treatment*: official procedure for the killing, inactivation or removal of pests, or for rendering pests infertile or for devitalization.

*Treatment schedule*: the critical parameters of a treatment which need to be met to achieve the intended outcome (i.e. the killing, inactivation or removal of pests, or rendering pests infertile, or devitalization) at a stated efficacy.

## Outline of requirements

EPPO Standards on phytosanitary treatments describe the methods to be followed for performing treatments of commodities<sup>1</sup> moving in trade against quarantine pests and treatments of crops for containment or eradication of regulated pests.

Standards on phytosanitary treatments serve to disseminate information on proven means of disinfecting<sup>2</sup> plants and plant products moving in trade. As stated in ISPM 28 (FAO, 2007a,b), ‘the purpose of harmonizing phytosanitary treatments is to support efficient phytosanitary measures in a wide range of circumstances and to enhance the mutual recognition of treatment efficacy’.

The development of EPPO Standards on phytosanitary treatments started many years ago, and these methods have been published in the Bulletin OEPP/EPPO Bulletin under several titles: ‘Fumigation standards’, ‘Quarantine Inspection Procedures’, ‘Quarantine Procedures’ and in the series PM 3 ‘EPPO Phytosanitary Procedures’, these were edited into EPPO Standard format. The series PM 3 Phytosanitary Procedures was composed of treatments of commodities moving in trade as well as methods to be followed for performing inspections, tests, or surveys against quarantine pests. In 2006, it was decided to divide the series PM 3 by extracting Standards on phytosanitary treatments and compiling these into a new series PM 10.

Most of these Standards were approved before 1993, and required updating or revising. Standards which were transferred from PM 3 to PM 10 and that did not require updating or revising were only published on the EPPO website.

<sup>1</sup>Treatments for commodities should be performed in officially recognized approved facilities.

<sup>2</sup>i.e. the killing, inactivation or removal of pests.

New Standards have been developed incorporating recent advances using alternatives to methyl bromide.

EPPO Standards which recommended the use of methyl bromide have now been withdrawn. The 2 Standards pre-

sented in this issue (formerly PM 3/47 and PM 3/50) have been edited to remove the schedules with methyl bromide and transferred to the series PM 10 which now includes all phytosanitary treatments approved by EPPO.