



***DRAFT INTERNATIONAL STANDARDS FOR  
PHYTOSANITARY MEASURES  
ISPM***

***DEVELOPING A STRATEGY TO REDUCE OR  
REPLACE THE USE OF METHYL BROMIDE  
FOR PHYTOSANITARY PURPOSES***

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# OUTLINE OF PRESENTATION

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  5. Guidelines for developing and implementing a strategy on methyl bromide use for phytosanitary measures
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  - Phytosanitary treatments to reduce or replace methyl bromide





## SCOPE

This standard provides guidance to National Plant Protection Organizations (NPPOs) and Regional Plant Protection Organizations (RPPOs) in the development of a strategy to reduce or replace the use of methyl bromide as a phytosanitary measure, in order to reduce emissions of methyl bromide.





## DEFINITIONS

Definitions of phytosanitary terms used in the present standard can be found in ISPM No. 5 (*Glossary of phytosanitary terms*)





## BACKGROUND

- Methyl bromide has been widely used as a phytosanitary treatment for quarantine and pre-shipment (QPS) purposes for many decades
- Montreal Protocol on Substances that Deplete the Ozone Layer, an agreement that aims to protect the ozone layer by reducing, and ultimately eliminating, emissions of ozone-depleting substances
- IPPC (Preamble) states that contracting parties take into account internationally approved principles governing the protection of human health and the **environment**”





## REQUIREMENTS

- Need for methyl bromide in quarantine applications remains until a range of equivalent alternatives has been developed
- NPPOs and RPPOs are encouraged to put in place a national or regional strategy that will help them reduce the use of methyl bromide as a phytosanitary treatment
- strategy may include
  - replacing methyl bromide use
  - reducing methyl bromide use
  - physically reducing methyl bromide emissions
  - accurately recording methyl bromide use





## Replacement of Methyl Bromide Use for Phytosanitary Purposes (REQUIREMENT)

phytosanitary **treatment** to replace MB includes:

- use of chemicals
- application of physical treatments
- application of biological methods
- immediate commodity processing
- pest free methods of production





## Reducing Methyl Bromide Use for Phytosanitary Purposes (REQUIREMENT)

Following **measures** may be implemented:

- Inspection-based fumigation
- Improvement of treatment facilities
- Avoidance of unnecessary re-fumigation







## Physically Reducing Methyl Bromide Emissions (REQUIREMENT)

Physical **means** minimize or eliminate the release

- Improvement of fumigation performance
- Methyl bromide emissions control



## Recording Methyl Bromide Use for Phytosanitary Purposes (REQUIREMENT)

- Quantities of methyl bromide used on import and export good
- Targeted pest
- Description of the items fumigated



# Guidelines for Developing and Implementing a Strategy on Methyl Bromide Use for Phytosanitary Measures (REQUIREMENT)

NPPOs & RPPOs could be involved in the **coordination** of the following **efforts**:

- Review and change phytosanitary policies
- Identify current treatments where methyl bromide is the only option
- Liaise with research groups and funding bodies
- Coordinate with the National Ozone Unit
- Exchange information
- Prioritize the development of alternative treatments etc.





# APPENDIX

## PHYTOSANITARY TREATMENTS TO REDUCE OR REPLACE METHYL BROMIDE

Appendix listed the:

- Treatments which could be considered and validated as alternatives to methyl bromide and which are currently registered in at least one country.
- Treatments may be used to reduce and/or replace methyl bromide use in certain circumstances.
- Measures are also practised in at least one country.





## REVIEW OF PRESENTATION

This standard provide guidance's for:

- Action and guidelines for developing and implementing a national strategy on the use of methyl bromide as a phytosanitary measure.
- Promotion and implementation of treatments and procedures that provide alternatives to the use of methyl bromide.