

## New Methyl bromide fumigation methodology is coming – 1 May 2025

The Methyl bromide fumigation methodology is an internationally recognised standard for the application of methyl bromide for guarantine and preshipment treatments.

The new version is now available on our website. It will replace the current documents and come into force on 1 May 2025. Familiarise yourself with the new methodology to prepare for the upcoming change.







## Key points

- 1. There are minor changes to treatment requirements and processes.
- 2. There are no changes to how a successful treatment is conducted.
- 3. The methodology focuses on the essential elements required to achieve an effective fumigation.
- 4. The majority of the changes made are to wording, language and readability.



## Summary of changes table

Requirement	Key changes	Rationale
Applicable to all sections	The methodology has been edited to improve clarity, consistency and readability.	Removing ambiguity and simplifying language improves the document's legal enforceability.
Applicable to all sections	The methodology has been formatted for accessibility.	By rewriting the document using accessibility principles we've made it easier to follow and more access
Applicable to all sections	The order of sections has changed.	The order of the document replicates the order of steps of a fumigation and pre/post fumigation activity
Safety	Section 2 The methodology clearly defers to local safety legislation and requirements.	Safety requirements concerning the safe conduct of a methyl bromide fumigation will vary by country a
Temperature	Section 6 and 7 The temperature section has been split into two sections. Section 6	Separating temperature into two sections to clearly define the different temperature requirements for
	Temperature used to calculate the dose and Section 7 Temperature during the exposure period.	
Temperature	Section 7 Clear linkage added between the temperature used to calculate the dose and the temperature during the exposure period.	Clearly defines that the temperature during the exposure period must remain above the temperature occur below that temperature are considered unsuccessful.
	If the actual temperature drops below the temperatures used to calculate the dose the treatment has failed.	
Timing of when forecast	Section 6.1.4	Clarified in response to feedback about when the temperature forecast is taken.
is obtained	The forecast minimum temperature must be sourced no earlier than the day before the fumigation starts. And the source of the information must be retained with the fumigation documentation.	Allows a day window for planning purposes but not too early to ensure the forecast is reasonably accur
Topping up during the exposure period	Section 10 Top-ups performed during the exposure period are only allowed if the methyl bromide concentration is above the standard.	This removes the option of topping up during the exposure period if the concentration falls below the s requirements in the original methodology. Through the consultation process it was determined the top be re-introduced to ensure treatments achieved the correct concentration over time (CT).
		This ensures the efficacy of treatments as well as significantly simplifying things for the fumigator.
		Topping up can still be performed during a treatment if the concentration is above the standard.
Topping up	Topping up if the exposure period is under 12 hours is now permitted.	Makes it consistent with other international standards.
Treatment certificate requirements	Section 12 Minimum requirements listed instead of relying on the certificate template.	Ensures the enforceability of treatment certificate requirements and harmonises the requirements acruce currently exists for the record of fumigation (RoF) requirements.
Consignment Suitability	Section 3 More details included and existing requirements clarified.	Reduces the subjectivity of the clauses.
Free Air Space	Throughout document Free air space requirements removed - gas monitoring locations specified with measurements.	Free airspace is needed to conduct a successful fumigation. Feedback was received that the current fre enforce due to the subjective nature of the requirement.
		Free airspace requirements can be verified through the correct placement of monitoring lines as well a equilibrium.
Fumigation Enclosures	Section 4 All enclosures included. No enclosures scoped out.	Enclosure requirements have been edited to remove exclusions and simplified to account for the differ every situation. Enclosure specific requirements stipulated as such in their respective sections.
Fumigation Enclosures	Section 4.1 Enclosure requirements.	The requirement to create an air flow barrier has been removed. Instead specifies that fumigation encl
Fumigation Enclosures	Throughout document 'Sampling tube location' changed to 'gas monitoring location'.	To allow for new technology as it emerges. Allows for possible new monitoring devices that can remote
Fumigation Enclosures	Section 5.3.3	Additional requirements for sheeted enclosures to verify that there is enough free airspace and that co
	Multiple sea containers in a sheeted enclosure must have 3 monitoring locations in each sea container.	Given the additional monitoring, a new requirement relating to multiple containers under a sheeted er wholly within the containers and one container fails, the remainder of the containers can pass if all oth
	Section 9.2 New allowance for failing a single container in the enclosure	
Glossary	Some information added, some removed.	Removed terms no longer in use in the methodology, adjusted terms if changes.
,		Clarified wording to reflect intent of some definitions. Added terms that required a definition for enforce

sible.

ities, this makes the document easier to navigate.

and state or territory.

the different stages of a fumigation.

used to calculate the dose rate and that any fumigations that

rate.

standard. This was the intent of the original topping up ping up requirements during the exposure period needed to

ross schemes (where possible). This is the same concept as

ee airspace requirements are hard to interpret, comply with and

as concentration readings being above the standard and within

rent types of enclosures. All enclosure requirements apply in

losures must be sufficiently gas tight.

ely send data.

oncentrations are above the standard for the exposure period.

nclosure has been included. If the target of the fumigation is ner conditions are met.

ceability and clarity.

