

Changes to khapra beetle treatments for imports to Australia

What you must know to comply

Session 2 for Australian importers and brokers

20 May 2025

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Plant Import Operations and Compliance Partnerships



What we will cover today

- 1. Introduction to khapra beetle
- 2. Current khapra beetle import requirements
- 3. Upcoming changes
- 4. Ensuring an effective treatment





Protect Australia from khapra beetle



Second most unwanted plant pest



Increased detections in goods & containers



Major threat to grains industry



Outbreak could cost \$15 billion over 20 years



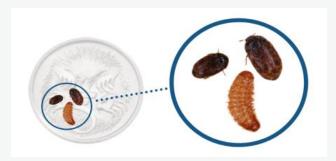
Difficult to detect due to small size



Can survive in sea containers for years



Poses health risks



Khapra beetle adults and larva compared to an Australian 5 cent coin

Khapra beetle target-risk countries

9. Egypt

10. Ghana





| 1. | Afghanistan | 11. Greece | 21. Morocco | 31. Somalia |
|----|---------------|----------------------|------------------|--------------------------|
| 2. | Albania | 12. India | 22. Myanmar | 32. South Sudan |
| 3. | Algeria | 13. Iraq | 23. Nepal | 33. Sri Lanka |
| 4. | Bangladesh | 14. Islamic Republic | 24. Niger | 34. Sudan |
| 5. | Benin | of Iran | 25. Nigeria | 35. Syrian Arab Republic |
| 6. | Burkina Faso | 15. Israel | 26. Oman | 36. Timor-Leste |
| 7. | Côte d'Ivoire | 16. Kuwait | 27. Pakistan | 37. Tunisia |
| | (Ivory Coast) | 17. Lebanon | 28. Qatar | 38. Türkiye |
| 8. | Cyprus | 18. Libya | 29. Saudi Arabia | 39. United Arab Emirates |

30. Senegal

40. Yemen

19. Mali

20. Mauritania

Khapra beetle high-risk plant products

- **Bean seed** (*Phaseolus* spp.)
- Celery seed (Apium graveolens)
- Chickpeas (*Cicer arietinum*)
- Coriander seed (Coriandrum sativum)
- Cucurbit seed
 (Cucurbita, Cucumis, Citrullus spp.)
- Cumin seed (Cuminum cyminum)
- Dried chillies/capsicum (Capsicum spp.)
- Faba bean, broad bean, fava bean (*Vicia faba*)
- Fennel seed (Foeniculum vulgare)
- Lentils (Lens culinaris)
- Mung beans, cowpeas (Vigna spp.)
- Pea seed (*Pisum sativum*)

- Peanuts (Arachis hypogaea)
- Pigeon Pea seed (Cajanus cajan)
- Rice (Oryza sativa)
- Safflower seed (Carthamus tinctorius)
- Soybean (Glycine max)
- Wheat seed (*Triticum* spp.)









High-risk khapra pathways



High-risk plant products



Sea Container

Packed with high-risk products

OR

Rural unpack in Australia (not packed with high-risk products)



Exported from target-risk country





Key import requirements



Offshore treatment



Treatment certificate



Pre-export inspection



Phytosanitary certificate

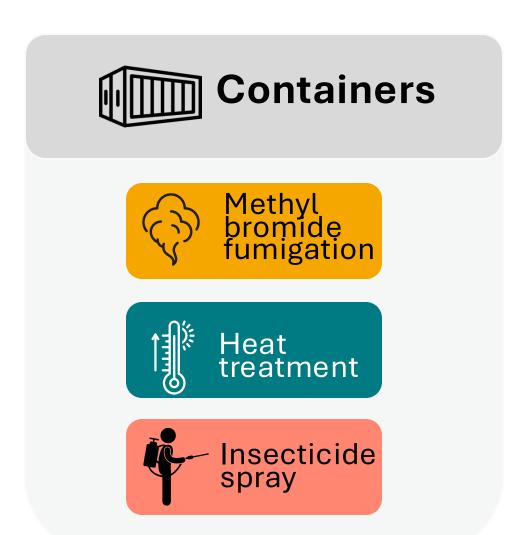


Inspection on arrival in Australia





Approved treatments











Treatment non-compliance



Exposure period not met



Packaging unsuitable

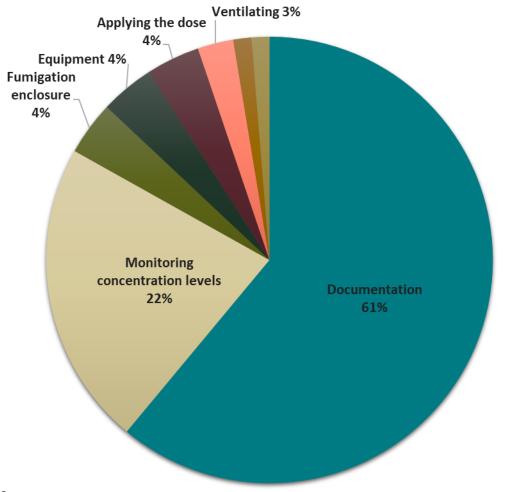


No concentration monitoring

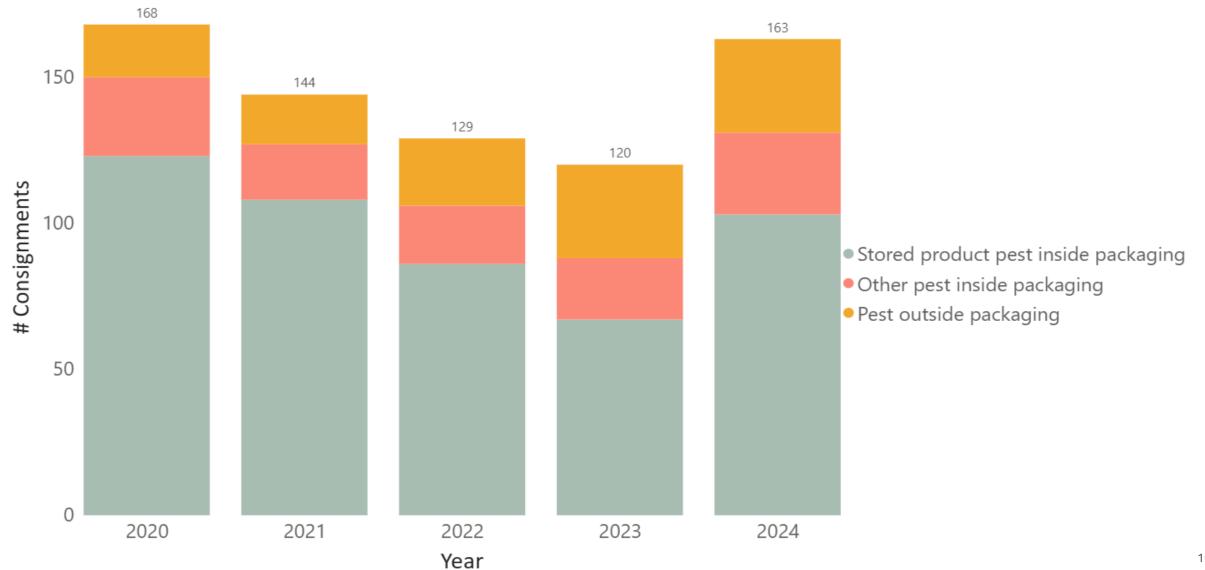


Containerised treatments not sheeted

Non-compliance type identified via on-site audits



Live pests found in high-risk plant products



Changes to treatment requirements

1



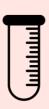
Revised additional declarations on gas permeable packaging

2



Supervision of non-approved treatment providers by certifying authority + additional declaration

3



Removal of 4th concentration sampling tube for fumigation of containers





Revised additional declarations on gas permeable packaging

| Treatment type | Current additional declarations | New additional declarations from 28 May 2025 |
|---------------------------|--|--|
| Methyl bromide fumigation | Option 1: The goods were fumigated in gas permeable packaging | Option 1: The goods were fumigated in gas permeable packaging |
| | Option 2: The goods were fumigated prior to packing | Option 2: The goods were fumigated prior to being sealed in gas impermeable packaging |
| | Option 3: Impermeable packaging was open during fumigation | |

Note: For Controlled atmosphere, the word 'fumigated' is replaced with 'treatment'



Revised additional declarations on gas permeable packaging

Packaging requirements

During treatment, goods must be:

- in bulk (prior to packaging), OR
- ✓ in gas-permeable packaging, OR
- in impermeable packaging that is unsealed

Fumigant must be able to reach the commodity effectively. **Sealed impermeable packaging is non-compliant.**



Quiz time!

Go to **Menti.com** on your web browser **Use code 4493 9387**

Or use your phone to scan the QR code below.

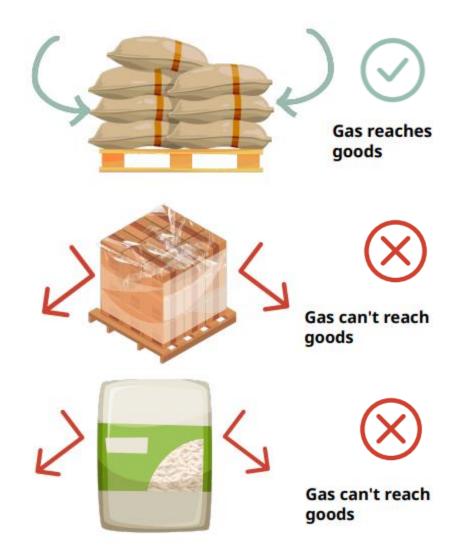


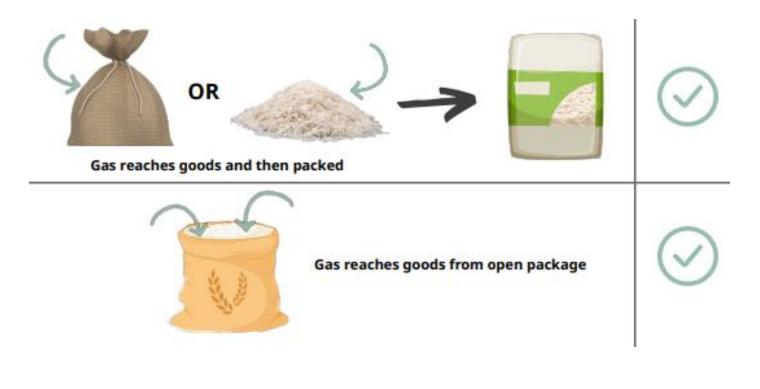


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Option 1 – Fumigated in gas permeable packaging

Option 2 – Fumigated <u>prior to being</u> <u>sealed</u> in gas permeable packaging





Quiz time!

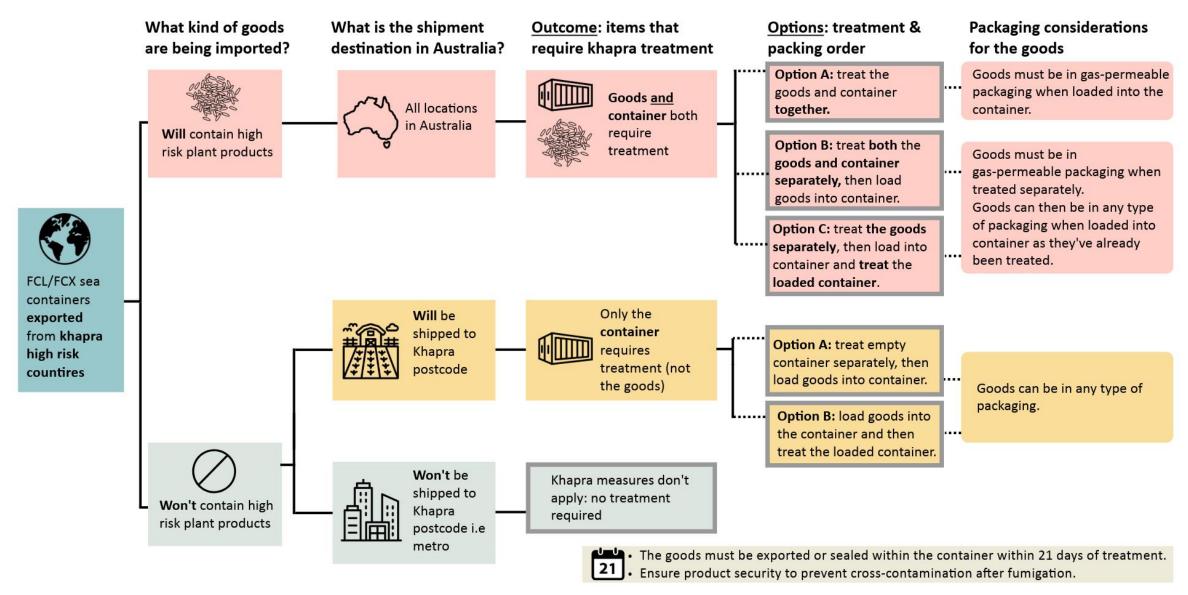
Go to **Menti.com** on your web browser **Use code 4493 9387**

Or use your phone to scan the QR code below.





Treating containers and goods



Beware of container risks

- Look inside tyne slots and twist-lock pockets
- Look alongside rails
- Look along the side walls
- The roof can become contaminated from containers stored above
- Look out for old grain residues
- Heavy plant contamination such as this can support a variety of pests













Supervision of non-approved treatment providers by certifying authority + additional declaration

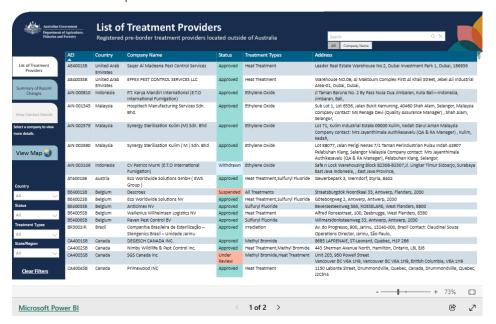
| TREATMENT PROVIDER | FROM 28 MAY 2025 | | |
|---|---------------------|---|--|
| STATUS | NPPO Supervision | Additional declarations on phytosanitary certificates | |
| Registered – Suspended , Under review , or Withdrawn Unregistered – Unacceptable , or Under review | YES | For methyl bromide fumigation: "The monitoring of start and end point concentration readings were conducted under direct NPPO supervision, and the treatment was performed in accordance with Australia's methyl bromide fumigation methodology as per the attached methyl bromide fumigation certificate [insert certificate number]." For heat treatment: | |
| | | "The temperature sensors were placed under direct NPPO supervision, and the treatment was performed in accordance with Australia's heat treatment methodology as per the attached heat treatment certificate [insert certificate number]." | |
| Registered - <i>Approved</i> Unregistered - <i>Generic</i> | | For methyl bromide fumigation: "The goods were fumigated with methyl bromide in accordance with Australia's methyl bromide fumigation methodology as per the attached methyl bromide fumigation certificate [insert treatment certificate number.]" | |
| | | For heat treatment: "The goods were treated in accordance with Australia's heat treatment methodology as per the attached heat treatment certificate [insert certificate number]." | |

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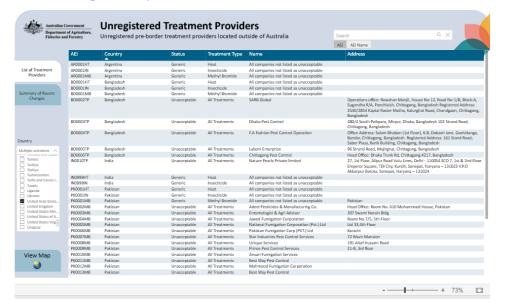
Treatment provider status

| Registered trea | tment | Unregistered treatment providers | | |
|-----------------|-------|----------------------------------|--|--|
| Approved | | Generic | | |
| Under review | | Under review | | |
| Suspended | | Unacceptable | | |
| Withdrawn | | N/A | | |

List of treatment providers

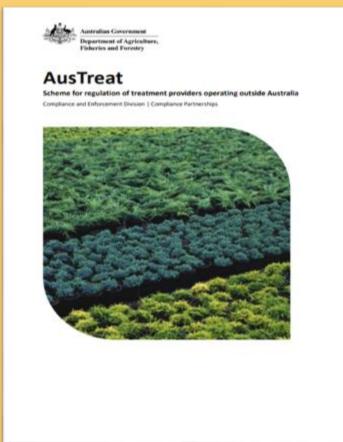


List of unregistered providers



Treatment registration schemes

1. AusTreat Government to industry



2. Australian Fumigation Accreditation Scheme (AFAS) Government to Government

Participating countries

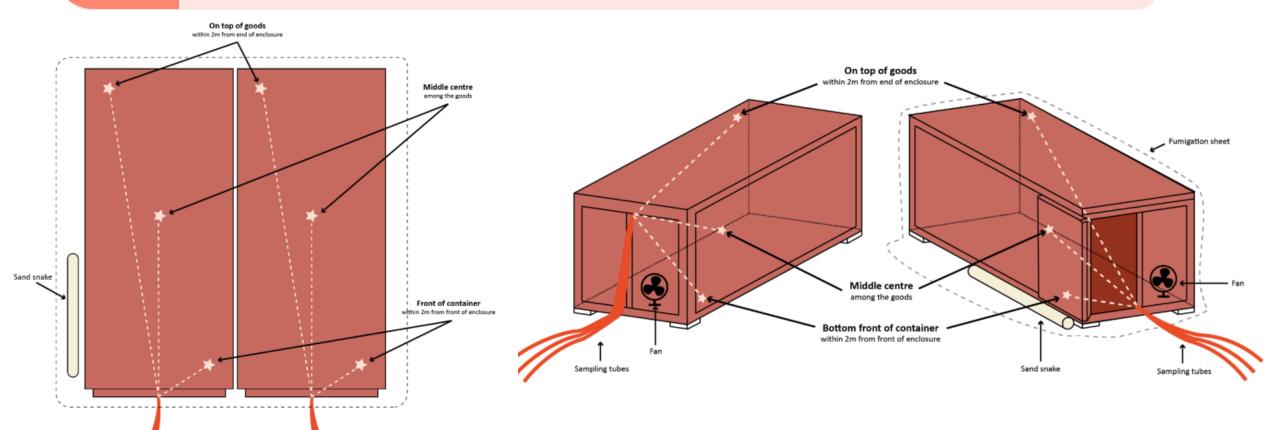
- Cambodia
- Fiji
- India
- Indonesia
- Lao PDR
- Malaysia
- Papua New Guinea
- Peru
- Philippines
- Sri Lanka
- Thailand
- Vietnam



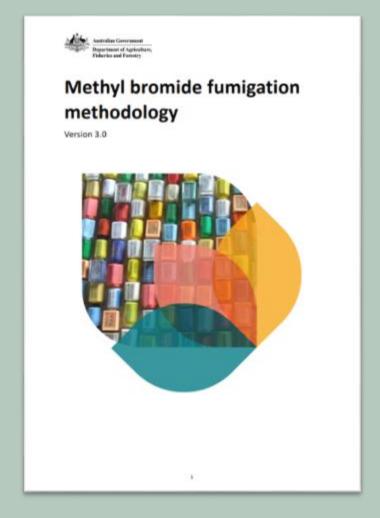
3



Removal of 4th concentration sampling tube for fumigation of containers

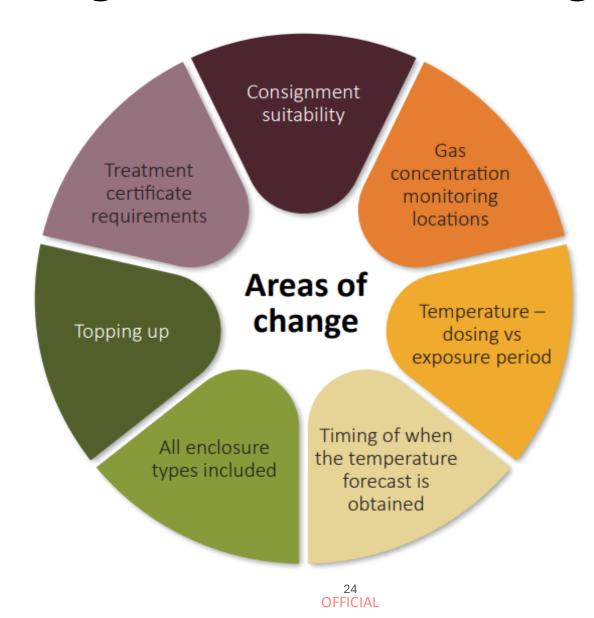


Methyl bromide fumigation methodology update



Version 3.0 effective 1 May 2025

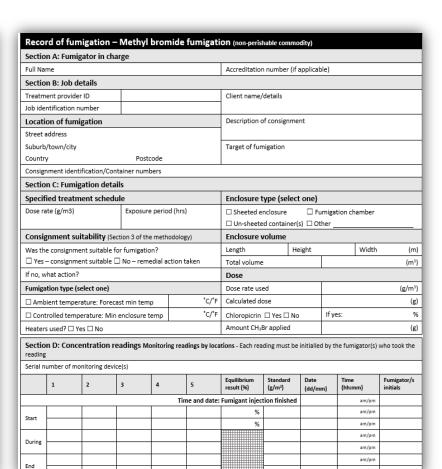
What has changed in the methodology?



The way a successful fumigation is performed has **not** changed!

30 June 2025
Treatment
certificates
must comply
with version 3.0

| Treatment certificate – Methyl bromide fumigation | | | | | | | |
|---|-------------|-------------|--------------------|------------------------------|---------------------|-------|------------------------|
| Certificate number | | | | | | | |
| Certificate number | | | | Treatment provider ID number | | | |
| | | | | (Registration/AEI/ | AA/EKE) | | |
| Consignment det | ails | | | | | | |
| Consignment link (container numbers if applicable) | | | | | | | |
| Seal numbers(s) (if a | applicable) | | | | | | |
| CI | ient name | | | | | | |
| Clier | nt Address | | | | | | |
| Commodity d | lescription | | | | | | |
| Commodity countr | y of origin | | | Commodit | y quantity | | |
| Port | of loading | | | Destination | on country | | |
| Target of fumiga | ation (pic | k all that | t apply) | Enclosure type (| pick one |) | |
| ☐ Commodity | ☐ Contain | ner | ☐ Packaging | ☐ Sheeted enclosure | ☐ Fumiga chamber | ition | ☐ Un-sheeted container |
| ☐ Other (provide det | ails) | | | ☐ Other (provide details) | | | |
| Treatment sched | ule (pres | cribed/s | pecified treatmer | nt schedule) | | | |
| Dose rate | | (g/m3) | Exposure period | (hours) | Temperat | ure | (*C) |
| Fumigation detai | ls (treatr | nent app | olied) | | | | |
| Applied dose | | (g/m3) | Exposure period | (hours) | Tempera | ture | (°C) |
| Place of fumigation (Full address) | | | | Street address | | | |
| | | | | Suburb/town/city | | | |
| | | | | Country Postcode | | | |
| Date and time fum | igation com | menced (do | d/mm/yyyy – HH:MM) | am/pm | | | |
| Date and time fu | migation co | mpleted (do | d/mm/yyyy – HH:MM) | | | | am/pm |
| Final TLV reading (ppm) | | | | | | | ppm |
| Declaration | | | | | | | |
| I, the fumigator-in-charge declare: | | | | | | | |
| The fumigation certified was conducted in accordance with the treatment schedule, import conditions, and all the requirements in the Methyl Bromide Fumigation Methodology, and | | | | | | | |
| The information I have provided is true and correct. | | | | | | | |
| Signature (sign y | our name) | | | | | | |
| Full name | | | | | | | |
| Date (dd/ | mm/yyyy) | | | Accreditation | on number | | |





All fumigations with a start date and time at or after **1 May 2025** 00:00 (midnight local time) must adhere to the new requirements.

Implementation date



- New conditions in BICON & import permits on 28 May
- Phytosanitary certificate issued <u>before</u> 28 May current conditions apply

Phytosanitary certificate issued on or after 28 May – new conditions apply

Transitional period

To demonstrate compliance with this requirement you must present the following on a Phytosanitary certificate:

| i. One of the following additional declarations: | | | | | |
|--|--|--|--|--|--|
| 1. For treatments not requiring supervision by NPPO: "The goods were fumigated with methyl bromide in accordance with Australia's methyl bromide fumigation methodology as per the attached methyl bromide fumigation certificate [insert treatment certificate number]." | | | | | |
| 2. For treatments requiring supervision by NPPO: "The monitoring of start and end point concentration readings were conducted under direct NPPO supervision, and the treatment was performed in accordance with Australia's methyl bromide fumigation methodology as per the attached methyl bromide fumigation certificate [insert certificate number]." | | | | | |
| IMPORTANT: | | | | | |
| • Treatments do not require NPPO supervision if performed by a treatment provider listed as 'approved' on the <u>List of Treatment Providers</u> & or as 'generic' on the <u>List of unregistered Treatment Providers</u> &. | | | | | |
| • Treatments require NPPO supervision if the treatment provider is listed as 'suspended', 'under review' or 'withdrawn' on the <u>List of Treatment Providers</u> & or listed as 'unacceptable' or 'under review' on the <u>List of unregistered Treatment Providers</u> &. | | | | | |
| Is the evidence provided OK? | | | | | |
| ATTENTION ASSESSMENT OFFICERS AND CLASS 19 ACCREDITED PERSONS These conditions were updated on 28 May 2025 (For more details see the BICON alert &). Transitional arrangements may apply for consignments that meet the previous requirements, as follows: | | | | | |
| "The goods were fumigated with methyl bromide in accordance with Australia's methyl bromide fumigation methodology as per the attached methyl bromide fumigation certificate [insert treatment certificate number]." | | | | | |
| For phytosanitary certificates that meet previous requirements (as above) issued: | | | | | |
| Before 28 May 2025 – Select answer 'Yes'. Note: All statuses of treatment provider are acceptable. On or after 28 May 2025 AND the treatment provider is listed as 'suspended', 'under review' or 'withdrawn' on the List of Treatment Providers & or 'unacceptable' or 'under review' on the List of unregistered Treatment Providers & - Select answer 'Transitional measures apply'. | | | | | |
| · | | | | | |
| · | | | | | |
| apply. | | | | | |

- ii. **One of** the following additional declarations:
 - 1. "The goods were fumigated in gas permeable packaging \mathbf{e} ", or
 - 2. "The goods were fumigated prior to being sealed in gas impermeable packaging".

Note: Certificates containing more than one of the above packaging declarations will not be accepted.

Is the evidence provided ok?

ATTENTION ASSESSMENT OFFICERS AND CLASS 19 ACCREDITED PERSONS

These conditions were updated on 28 May 2025 (For more details see the <u>BICON alert</u> ♠). Transitional arrangements may apply for consignments that meet the previous requirements, as follows:

"The goods were fumigated prior to packing"

OR

"Impermeable packaging was open during fumigation"

For phytosanitary certificates that meet previous requirements (as above) issued:

- 1. Before 28 May 2025 Select answer 'Yes'
- 2. On or after 28 May 2025 Select answer 'Transitional measures apply'.

| | N | C |
|--|---|---|
| | | |

Transitional measures apply

Yes

Transitional period – AEPCOMM pathways

Automatic Entry Processing for Commodities

AEI

Copy BICON URL

Attention Class 19 accredited persons:

You have indicated the use of previous phytosanitary declarations. Please be advised that new declarations are in effect from **28 May 2025.**

0

During the transitional period, the previous phytosanitary declarations will still be accepted for this consignment. However, to ensure compliance for future consignments, we encourage you to provide the entry number, phytosanitary certificate, and treatment certificate to Plant Import Operations at imports@aff.gov.au (Include 'Plant T2 - Khapra urgent actions' in the subject line). This will allow the department to identify and support offshore stakeholders meet the new requirements during the transitional period.



Learn more

1. Khapra measures

<u>agriculture.gov.au/biosecurity-trade/pests-diseases-weeds/plant/identify/khapra-beetle/urgent-actions</u>

2. Infographic: Packaging requirements for fumigations

<u>agriculture.gov.au/sites/default/files/documents/methyl-bromide-fumigation-high-risk-plant-products-packaging-requirements.pdf</u>

3. Packaging suitability for treatments

<u>agriculture.gov.au/sites/default/files/documents/guide-to-packaging-suitability-performing-qps-treatments.pdf</u>

4. Treatment methodologies

<u>agriculture.gov.au/biosecurity-trade/import/arrival/treatments/treatments-fumigants#daff-page-main</u>

5. Lists of treatment providers

<u>agriculture.gov.au/biosecurity-trade/import/before/prepare/treatment-outside-australia/pre-biosecurity-treatment-providers</u>



New conditions from 28 May 2025

1

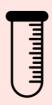
Revised additional declarations on gas permeable packaging

2



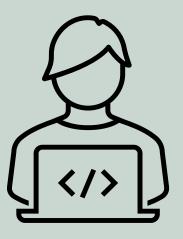
Supervision of non-approved treatment providers by certifying authority + additional declaration

3



Removal of 4th concentration sampling tube for fumigation of sea containers

Questions?



Email us at lmports@aff.gov.au
Plant T2- khapra urgent actions in subject line

Thank you