

20 August 2023

Brown Marmorated Stink Bug (Halyomorpha Halys)



Brown Marmorated Stink Bugs (BMSB) pose a significant biosecurity risk to Australia due to their highly mobile nature. They are currently found throughout Northeast Asia, North America and Europe and can be identified by their shield shape and white bands on the antennae, legs and rear margins of the body. Introduction into Australia would have a

devastating impact on over 300 agricultural and ornamental plants by rendering them unsellable or reducing production yields.

As a result, the Department of Agriculture, Fisheries and Forestry (DAFF) implements seasonal measures for certain goods arriving from target risk countries.

Target high risk goods shipped from target risk countries between 1st September 2023 to 30th April 2024 (inclusive) need to be treated. Seasonal measures also apply to vessels that berth, load or tranship from target risk countries within the same period. Throughout the season DAFF continually reviews measures based on detections of BMSB and the risk pathways.

Which Goods are Targeted?

Certain target high risk goods (Appendix 1) manufactured in, or shipped from target risk countries as sea cargo will require treatment for BMSB either prior to export or on arrival in Australia.

Break Bulk Goods

- Break bulk includes those goods shipped on flat racks and in open top containers.
- All target high risk goods shipped as break bulk must be treated offshore prior to arrival into Australia.
- Untreated break bulk will be directed for export.
- Onshore treatment is not permitted.
- FCL containers that have been modified, such as those used to house in-built power generators, filtration plants, portable accommodation etc. are no longer sealed six hard sided containers and are considered to be break bulk cargo.

Containerised (FCL/FCX)

- cargo arriving in sealed six hard sided containers may be treated offshore or onshore at the container level.

LCL and FAK containers with target high risk goods will be managed at the container level for BMSB.

- Offshore treatment of LCL consignments and FAK containers is preferred.
- Onshore treatment of LCL consignments and FAK containers will be permitted at the container level only.

Certain target risk goods (Appendix 1) do not require mandatory treatment however are subject to increased surveillance and inspections and may be directed for treatment if BMSB are detected.

All imported cargo must still comply with listed standard import conditions which are dealt with against the import declaration.

Treatment Options

There are three approved treatment options for BMSB treatments.

Heat

For all good types and sizes

- 56°C or higher at the coldest surface of the goods, for a minimum of 30 minutes or
- Alternative option for individual goods weighing less than 3000 kg shipped as break bulk only, 60°C or higher at the coldest surface of the goods, for a minimum of 10 minutes.

Note: Individual goods shipped as break bulk weighing less than 3000kg treated at 60°C for 10 minutes require evidence within shipping documentation that they are less than 3000kg for these treatments to be accepted.

Methyl Bromide

- A dose of 24 g/m³ or above, at 10°C or above, for a minimum of 12 hours (but less than 24 hours), with a minimum end point reading of 12 g/m³ or
- A dose of 24 g/m³ or above, at 10°C or above, for 24 hours or longer, with a minimum end point reading of 8 g/m³

***Note:**

- All start time concentration readings must be above 24 g/m³
- Dose increases to compensate for temperatures less than 10°C is NOT permitted.
- Topping up with additional fumigant at the end of treatment is NOT permitted.
- If the concentration of the fumigant falls below the minimum end point reading at any point during the treatment, the treatment has failed.

Sulfuryl Fluoride

- A dose of 24 g/m³ or above, at 10°C or above, for a minimum of 12 hours (but less than 24 hours), with a minimum end point reading of 12 g/m³ or
- A dose of 24 g/m³ or above, at 10°C or above, for 24 hours or longer, with a minimum end point reading of 8 g/m³

***Note:**

- All start time concentration readings must be above 24 g/m³
- Dose increases to compensate for temperatures less than 10°C is NOT permitted.
- Topping up with additional fumigant at the end of treatment is NOT permitted.
- If the concentration of the fumigant falls below the minimum end point reading at any point during the treatment, the treatment has failed.

Sulfuryl Fluoride – Using third-party system*

- Achieve a CT of 200 g-h/m³ or more, at 10°C or above, for 12 hours or longer, with a minimum end point reading of 12 g/m³
or
- Achieve a CT of 200 g-h/m³ or more, at 10°C or above, for 24 hours or longer, with a minimum end point reading of 8 g/m³

***Note:** The approved stewardship program operators and their third-party systems are:

- Douglas Products or their agents - FumiGuide
- Ensystex II, Inc. (USA) – Fumicalc
- Barcan Barcan Pest Control & Fumigation Co. (Barcan ilaclama Fumigasyon Tic. Ltd. Sti.) (Turkey) – FumiTrack

Topping up with additional fumigant at the end of treatment is NOT permitted. If the concentration of the fumigant falls below the minimum end point reading at any point during the treatment, the treatment has failed.

Offshore Treatment Providers Scheme

The list of all Department approved treatment providers is available [here](#).

Please note that this list no longer specifies which providers are approved under the BMSB treatment providers scheme. Businesses seeking treatment of goods for BMSB should use this list of providers to identify those where the treatment is to be performed, and contact them independently to ensure they are approved under the BMSB treatment providers scheme.

Treatment Window

Containerised goods - Goods must be loaded into a six hard sided container and sealed within 120 hours. A sealing declaration can be provided if required.

Break bulk (including flat racks and open top containers) – must be loaded onto a vessel for export from the target risk country within the defined timeframe of 120 hours.

NOTE: The post treatment window does NOT apply to goods treated in a non-target risk country, or to goods treated from 1 December (inclusive).

Vessels

All roll-on roll-off (ro-ro) vessels that berth at, load or tranship in target risk countries from **1st September 2023** and arrive in Australian territory by **30th April 2024** will be required to:

- › Conduct self-inspections and respond to specific questions as part of pre-arrival reporting requirements; and
- › Undergo a mandatory seasonal pest inspection on arrival in Australia.

Target Risk Countries

Below is the 2023-24 table of target risk countries.

Albania	Andorra	Armenia	Austria	Azerbaijan
Belgium	Bosnia and Herzegovina		Bulgaria	Canada
Croatia	Czechia	France	Japan (heightened vessel surveillance only)	
Georgia	Germany	Greece	Hungary	Italy
Kazakhstan	Kosovo	Liechtenstein	Luxembourg	Montenegro
Moldova	Netherlands	Poland	Portugal	Republic of North Macedonia
Romania	Russia	Serbia	Slovakia	Slovenia
Spain	Switzerland	Türkiye	Ukraine	United States of America

Uzbekistan (new)

The following countries have been identified as emerging risk countries for the -BMSB risk season and may be selected for a random onshore inspection:

United Kingdom and China

China – random inspections will apply to goods shipped between 1 September to 31 December (inclusive)

United Kingdom – random inspections will apply to goods shipped between 1 December to 30 April (inclusive)

In addition to the target high risk goods, chapters 39, 94 and 95 will be subject to random inspections for emerging risk countries only.

Safeguarding Arrangements

As part of the 2023-24 measures, DAFF has made the Safeguarding Arrangements Scheme available to importers. The scheme recognises the ability of approved participants to manage BMSB risk offshore, from the point of manufacture to the point of export.

Safeguarding Arrangements are only available to participants that meet the following eligibility criteria:

- Goods must be imported into Australia by a single importing entity that has a valid Australian Company Number (ACN) and/or Australian Business Number (ABN).
- Goods must be transported in a hard six -sided shipping container.

- Goods must be stored indoors between manufacture and export to Australia.
- Processes and mitigation actions are in place (and can be demonstrated) throughout the supply chain to protect the goods from exposure to BMSB, exotic pests and other biosecurity risks.
- Contingency actions are in place (and can be demonstrated) in case BMSB is detected at any point in the supply chain.
- Container unpack location in Australia must be in a metro location according to the department's [Postcode delivery classifications](#) webpage.
- If approved, all supply chain staff must complete the department's online Hitchhiker awareness training and understand their obligations under the safeguarding agreement. The training package will be provided on approval of your application.
- Provide at least one supply chain compliance audit which meets your department approved supply chain plan for each manufacturing and indoor storage site within 60 days of receiving formal approval for the current season.

For further information please contact the Henning Harders Advisory team. (details below)

New, Unused and Not Field Tested (NUFT) Goods

BMSB NUFT criteria relates to goods classified under the following tariff chapters only: 82, 84, 85, 86, 87, 88 and 89 and must have a manufacture start date on or after 1 December of the current BMSB risk season. Goods that have been refurbished do not meet this criterion.

A BMSB NUFT declaration may be used for eligible goods shipped in sealed six hard sided containers, goods shipped as break bulk (including flat rack and open top containers) and consignments in Less than a Container Load (LCL) / Freight All Kinds (FAK) containers.

Note: If other untreated high risk non-eligible tariffs / goods are packed with NUFT goods, the whole consignment will be subject to BMSB seasonal measures and require treatment either offshore, or onshore at the container level (where permitted).

Any questions or queries relating to the 2023-24 measures can be directed to Harders Advisory as per below.

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Appendix 1

Target High Risk Goods

44 - Wood and articles of wood; wood charcoal	75 - Nickel and articles thereof	85 - Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles
45 - Cork and articles of cork	76 - Aluminium and articles thereof	86 - Railway or tramway locomotives, rolling-stock and parts thereof; railway or tramway track fixtures and fittings and parts thereof; mechanical (including electro-mechanical) traffic signalling equipment of all kinds
57 - Carpets and other textile floor coverings	78 - Lead and articles thereof	87 - Vehicles other than railway or tramway rolling-stock, and parts and accessories thereof
68 - Articles of stone, plaster, cement, asbestos, mica or similar materials	79 - Zinc and articles thereof	88 - Aircraft, spacecraft, and parts thereof
69 - Ceramic products – including sub chapters I and II	80 - Tin and articles thereof	89 - Ships, boats and floating structures
70 – Glass and glass ware	81 - Other base metals; cermets; articles thereof	
72 - Iron and steel - including sub chapters I, II, III, IV	82 - Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	
73 - Articles of iron or steel	83 - Miscellaneous articles of base metals	
74 - Copper and articles thereof	84 - Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	

Target Risk Goods

27 - Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	29 - Organic chemicals - including sub chapters I, II, III, IV, V, VI, VII, VIII, IX, X, XII and X11131 - Fertilisers	48 - Paper and paperboard; articles of paper pulp, of paper or of paperboard
28 - Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes - including sub chapters I, II, III, IV and V	38 - Miscellaneous chemical products	49 - Printed books, newspapers, pictures and other products of the printing industry; manuscripts, typescripts and plans
	39 - Plastics and articles thereof - including sub chapters I and II	56 - Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof
	40 - Rubber and articles thereof	