

31st July 2020

Brown Marmorated Stink Bug (Halyomorpha Halys)



Brown Marmorated Stink Bugs pose a significant biosecurity risk to Australia due to their highly mobile nature. They are currently found throughout North East 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 (DoA) implements seasonal measures for certain goods arriving from target risk countries.

Goods shipped from 1st September 2020 to 30th April 2021 need to be treated, and will be referred for intervention if they arrive in Australian territory by 31st May 2021. Throughout the season DoA 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 cargo, and cargo shipped in containers without six solid sides (Open Tops and Flat Racks) must be treated offshore before export.**
- **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 goods 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:** Dose increases to compensate for temperatures less than 10°C is NOT permitted.

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:** Dose increases to compensate for temperatures less than 10°C is NOT permitted.

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 third-party systems are:

- Douglas Products FumiGuide
- Ensysyex II, Inc. Fumicalc

Offshore BMSB Treatment Providers Scheme

The list of currently approved treatment providers for the 2020-21 season is available [here](#).

The list will be updated by the Department of Agriculture with new providers and details of any suspensions. It is recommended to regularly check the list to ensure any preferred treatment provider used is still approved for the treatment method chosen.

Treatment Window

Goods shipped in a six hard sided container (FCL, FCX, LCL or FAK) must be packed and sealed in the container within 120 hours (5 days) of the treatment being completed.

Goods shipped as Break Bulk or in open top or flat rack containers must be loaded on board a vessel for export within 120 hours (5 days) of the treatment being completed.

Vessels

All roll-on roll-off (ro-ro) vessels that berth at, load or tranship in target risk countries from **1st September 2020** and arrive in Australian territory by **31st May 2021** 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

The rapid expansion of BMSB throughout Europe and North America has seen the list of Target Risk Countries increase to 35, up from 9 countries in 2018-19.

- | | | |
|---|-----------------|-------------------|
| › United States of America | › France | › North Macedonia |
| › Canada | › Georgia | › Portugal |
| › Albania | › Germany | › Romania |
| › Andorra | › Greece | › Russia |
| › Armenia | › Hungary | › Serbia |
| › Austria | › Italy | › Slovakia |
| › Azerbaijan | › Kosovo | › Slovenia |
| › Belgium | › Liechtenstein | › Spain |
| › Bosnia and Herzegovina | › Luxembourg | › Switzerland |
| › Bulgaria | › Moldova | › Turkey |
| › Croatia | › Montenegro | › Ukraine |
| › Czechia | › Netherlands | |
| › Japan (heightened vessel surveillance will be the only measure applied) | | |

The Department of Agriculture will be monitoring a number of emerging risk countries throughout the season and may conduct random onshore inspections of consignments of target high risk and target risk goods to verify freedom from BMSB contamination.

Safeguarding Arrangements

The Department of Agriculture is working to develop policies to allow for certain goods and supply chains to be recognised under safeguarding arrangements.

Under the scheme, approved participants will be recognised for their ability to manage biosecurity risk offshore, including seasonal pests such as BMSB, from the point of manufacture to the point of embarkation.

A trial by invitation of select industry participants will be conducted before being opened to wider industry.

More information will follow as it becomes available.

New, Unused and Not Field Tested (NUFT) Goods

The Department will permit certain goods (classified under chapters 82, 84, 85, 86, 87, 88 and 89) manufactured on or after 1st December 2020, and that can meet NUFT criteria to be exempt from BMSB measures under certain conditions.

Importations of these commodities must include supporting documentation to prove the manufacture date and evidence of its NUFT status.

Any questions or queries relating to the 2020-21 measures can be directed to Harders Advisory as per below.

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Appendix 1

Target High Risk Goods

36 - Explosives; pyrotechnic products; matches; pyrophoric alloys; certain combustible preparations	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
44 - Wood and articles of wood; wood charcoal	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
45 - Cork and articles of cork	78 - Lead and articles thereof	87 - Vehicles other than railway or tramway rolling-stock, and parts and accessories thereof
57 - Carpets and other textile floor coverings	79 - Zinc and articles thereof	88 - Aircraft, spacecraft, and parts thereof
68 - Articles of stone, plaster, cement, asbestos, mica or similar materials	80 - Tin and articles thereof	89 - Ships, boats and floating structures
69 - Ceramic products – including sub chapters I and II	81 - Other base metals; cermets; articles thereof	93 - Arms and ammunition; parts and accessories thereof
70 – Glass and glass ware	82 - Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal	
72 - Iron and steel - including sub chapters I, II, III, IV	83 - Miscellaneous articles of base metals	
73 - Articles of iron or steel	84 - Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	
74 - Copper and articles thereof		

Target Risk Goods

25 - Salt; sulphur; earths and stone; plastering materials, lime and cement	29 - Organic chemicals - including sub chapters I, II, III, IV, V, VI, VII, VIII, IX, X, XII and X11131 - Fertilisers	47 - Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard
26 - Ores, slag and ash	38 - Miscellaneous chemical products	48 - Paper and paperboard; articles of paper pulp, of paper or of paperboard
27 - Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	39 - Plastics and articles thereof - including sub chapters I and II	49 - Printed books, newspapers, pictures and other products of the printing industry; manuscripts, typescripts and plans
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	40 - Rubber and articles thereof	56 - Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof
	46 - Manufactures of straw, of esparto or of other plaiting materials; basket ware and wickerwork	