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## Seasonal measures for Brown marmorated stink bug (BMSB)

Dear customers and colleagues, effective September 1 2018 through April 30 2019 the Australian Department of Agriculture and Water Resources will be implementing seasonal measures to manage the risk of the introduction of the Brown marmorated stink bug (BMSB) from target countries (USA being one) into Australia. We will list several links and further information on our website [www.pglinc.biz](http://www.pglinc.biz) for you to learn more about this issue and how it may have an affect on your supply chain. Pinpoint Global Logistics, Ltd. will be instituting export processes from the USA to Australia to conform to the Australian mandates of treatment in order to ensure compliance. A few key notes to be aware of:

- \*\*At the moment all LCL moving within Pinpoint Global Logistics' FAK containers sailing on September 1 2018 forward will be treated in the USA prior to export
- Target high risk goods shipping as break bulk, open top containers, and flat rack containers must be treated in the USA prior to export
- Target risk goods shipped as FCL (full container load) or FCX (full container consolidated) can be treated upon arrival in Australia or in the USA prior to export
- Pinpoint Global Logistics Ltd. along with our partners in Australia will discuss with our clients directly the impact on service, cost, and concerns
- The cargo owners will be required to provide a letter of consent to Pinpoint Global Logistics prior to export (which we will provide in template form) acknowledging and allowing the treatment of the shipment. Any cargo in which we do not have a "Consent to fumigate" form for will be held to the best of our ability. We will not be held liable if the goods do in fact get treated and shipped
- Treatment methods will be fumigation with methyl bromide and or sulfuryl fluoride
- Pinpoint Global Logistics will not be held accountable for damage to cargo if a product is fumigated and shipped whether or not a letter of consent is received. The cargo owner must confirm in writing no less then 6 business days prior to ship date **specifically stating that goods can not be fumigated**

The successful adherence to this mandate and assurance to compliance has to be a through an open collaboration between all parties of the supply chain. The BMSB is viewed as a significant bio-hazard in Australia. Only through commitment to understanding the issue, self education and awareness can we effectively execute these requirements.

As updates become available we will add them to our website [www.pglinc.biz](http://www.pglinc.biz) any questions can be directed to [customerservice@pglinc.biz](mailto:customerservice@pglinc.biz)

We thank you all for your understanding and assistance.

\*\* There is talk of allowing FAK fumigation to be done on arrival in Australia however this has not been determined as of August 10 2018

Also note that target items and non target items that do not require fumigation will for the immediate future be fumigated when moving as LCL. We are lobbying for an acceptable method to avoid fumigating these products and will advise when/if we find a solution.

# Brown marmorated stink bug (Halyomorpha halys)

PLANT PEST



## Brown marmorated stink bug

Exotic to Australia

**Life form:** Insect

**Origin:** East Asia

**Distribution:** East Asia, North America and Europe

**Features:** Shield shape, adults are mottled reddish-brown, white bands on antennae, legs, and rear margin of body

**Pathways:** Hitchhiker on imported goods, vessels and aircrafts

**At risk:** Over 300 agricultural and ornamental plants

Brown marmorated stink bugs pose a high biosecurity risk to Australia because of their tendency to hitchhike, highly mobile nature and the lack of effective lures.

If it established in Australia, this pest would be extremely difficult and expensive to manage, partly due to its broad host range. Preventing an incursion in the first place is a high priority for government and industry, and we need your help.

## Seasonal measures for Brown marmorated stink bug (BMSB)

We introduce seasonal import measures to manage the risk of Brown marmorated stink bug (BMSB) during the high risk season.

New seasonal measures will apply for goods shipped on or between **1 September 2018 and 30 April 2019 inclusive**.

### Risks

The Brown marmorated stink bug (BMSB) is not found in Australia and needs to be kept out. It could severely impact our agricultural industries. Juveniles and adults feed on, and can severely damage, fruit and vegetable crops rendering them unsellable or reducing production yields. Adult BMSB can also be a nuisance, entering vehicles, homes and factories for shelter over winter. They can arrive in Australia on cargo and containers shipped between September and April. This coincides with autumn and winter in the Northern Hemisphere.

### 2018-19 season measures

You must comply with seasonal measures for certain goods arriving from certain countries that are shipped between **1 September 2018 and 30 April 2019 inclusive**.

Details of the seasonal measures for the 2018-19 BSMB season are outlined below. Throughout the season we will continue to review the measures based on detections of BMSB and the risk pathways.

## Goods

- Certain goods ([target high risk](#) and [target risk](#) goods) manufactured, or shipped from the [target risk countries](#) as sea cargo.
- Mandatory offshore treatment of target high risk goods shipped as break bulk, in open top containers or on flat rack containers.
- Mandatory offshore treatment of target high risk goods shipped as LCL (less than container load) or FAK (freight of all kinds) prior to arrival into Australian territory.
- Mandatory treatment (onshore or offshore) of target high risk goods shipped as FCL (full container load) or FCX (full container consolidated).
- Target high risk goods shipped as FCL and FCX may be treated on arrival in Australia at the container level. However, deconsolidation or removal of goods (for example, exempt goods) will not be permitted prior to the treatment.
- Export or destruction of target high risk goods requiring mandatory offshore treatment and arriving untreated, or treated by an unapproved treatment provider, unless **exceptional circumstances** are granted.
- Target risk goods will be subject to increased onshore intervention through random inspection and will be directed for onshore treatment if BMSB is detected.
- Random inspection of goods after treatment to validate the effectiveness of treatments.
- Random inspection of goods from all other emerging BMSB risk countries.
- All goods must still meet [standard import conditions in BICON](#).

## **Vessels**

Heightened surveillance on all roll-on/roll-off (ro-ro) and general cargo vessels through additional pre-arrival reporting with a BMSB questionnaire and daily checks conducted by vessel masters.

### **Target risk countries**

Any target high risk or target risk goods manufactured in, or shipped from these countries are subject to the BMSB seasonal measures.

•Any vessel that tranships or loads goods from these countries are also subject to heightened vessel surveillance. United States of America

•Italy

•Germany

•France

•Russia

•Greece

•Hungary

•Romania

•Georgia

•Japan (heightened vessel surveillance will be the only measure applied).

## Target high risk goods

Goods in this category require mandatory treatment for BMSB risk.

All tariffs under the following chapters are categorized as target **high risk** goods.

36 Explosives, pyrotechnics	74 Copper	84 Machinery
44 Wood	75 Nickel	85 Electrical machinery
45 Cork	76 Aluminium	86 Railway locos
57 Carpets	78 Lead	87 Vehicles
68 Stone, cement	79 Zinc	88 Aircraft
69 Ceramics	80 Tin	89 Ships
70 Glass	81 Base metals	93 Arms, ammunition
72 Steel, iron	82 Tools, cutlery	
73 Steel articles	83 Base metal	

### **Target risk goods**

Goods in this category will be subject to increased onshore intervention through random inspection. If BMSB is detected the goods will be directed for onshore treatment.

All tariffs under the following chapters are categorized as target risk goods.

25 Salt, minerals	31 Fertilisers	47 Wood pulp
26 Ores, slag, ash	38 Chemical products	48 Paper, cardboard
27 Fuel oils	39 Plastics	49 Printed matter
28 Inorganic chemicals	40 Tyres, rubber	56 Wadding, felt
29 Organic chemicals	46 Straw, basket ware	

### **All other goods**

BMSB seasonal measures do not apply to goods not identified as ‘target high risk’ and ‘target risk’. However, these goods may be subject to the measures if they are part of a consignment that contains target high risk and target risk goods.

## Treatments

### Treatment options

- heat treatment
- methyl bromide fumigation
- sulfuryl fluoride fumigation.

### Treatment rates

#### Heat

•At 50°C or higher for at least 20 minutes. **Note:** the minimum temperature of the coldest part of the treated goods should reach at least 50 °C for at least 20 minutes.

#### Methyl Bromide

•A dose of 16 g/m<sup>3</sup> or above, at 15°C or above, for 12 hours or longer, with an end point reading of 50% or more of the initial concentration. **Note:** this minimum temperature is 5°C higher than the sulfuryl fluoride conditions.

## Sulfuryl Fluoride

There are two sets of rates for sulfuryl fluoride treatments.

- Treatment providers not using an approved third party program\*:
- A dose of 24 g/m<sup>3</sup> or above, at 10oC or above, for 12 hours or longer, with a minimum end point concentration of 12 g/m<sup>3</sup>

*or*

- A dose of 16 g/m<sup>3</sup> or above, at 10oC or above, for 24 hours or longer, with a minimum end point concentration of 8 g/m<sup>3</sup>
- Treatment providers using an approved third party program\*:
- Achieve a CT of 200 g-h/m<sup>3</sup> or more, while conducting the treatment at 10°C or above, for 12 hours or longer, with a minimum end point concentration of 12 g/m<sup>3</sup>

*or*

- Achieve a CT of 200 g-h/m<sup>3</sup> or more, while conducting the treatment at 10oC or above, for 24 hours or longer, with a minimum end point concentration of 8 g/m<sup>3</sup>

\*The approved third party programs are:

- Douglas Products Fumiguide
- Ensystex II, Inc Fumicalc



## **Treatment minimum standards**

There are [minimum standards](#) for the application of BMSB treatments. Treatments applied for biosecurity purposes are part of managing the risk of introducing exotic pests and diseases. These treatments are only effective when conducted correctly.

It is important that treatment providers understand these requirements to effectively treat consignments for import into Australia.

Our standards outline best practice methodologies for applying biosecurity treatments.

## **Offshore BMSB Treatment Providers Scheme**

The [Offshore Brown Marmorated Stink Bug \(BMSB\) Treatment Providers Scheme](#) (the scheme) sets out the department's registration and compliance requirements for BMSB treatment providers.

Treatment providers who meet the requirements of the scheme will be added to our [approved list of offshore BMSB treatment providers](#).

## **Treatment providers in target risk countries**

All BMSB treatment providers in France, Georgia, Germany, Greece, Hungary, Italy, Romania, Russia and the United States of America must [register](#) with us.

## **Fraudulent certificates**

For treatments conducted in target risk countries, we will only accept BMSB treatment certificates from approved treatment providers.

We have developed a system to monitor and detect the use of fraudulent certificates.

We will identify consignments that arrive in Australia with a fraudulent certificate. We will also target consignments with a certificate from a treatment provider that is not approved.

These consignments will either be:

- exported, or
- destroyed, in approved manner.

## Industry consultation

We held industry information sessions in Sydney and Melbourne on 5 and 6 July 2018 where we released the draft measures. The final measures published on this page is an update of the information provided to industry during the sessions.

You can download and read:

- our powerpoint presentation
- industry questions and our answers provided during the sessions.

## Download

<http://www.agriculture.gov.au/SiteCollectionDocuments/biosecurity/import/pests/bmsb-industry-presentation.pdf>

<http://www.agriculture.gov.au/SiteCollectionDocuments/biosecurity/import/pests/bmsb-industry-qa.PDF>

<http://www.agriculture.gov.au/import/before/pests/brown-marmorated-stink-bugs>