Your Guide to Sulfuryl Flouride Treatment
Fact Sheet

TREATMENT GUIDELINES

To ensure adequate treatment and regulation of cargo into Australia, the following guidelines must be adhered to when completing Sulfuryl Flouride treatments at origin.

Caution: The dosage rates and document validation requirements for Sulfuryl Fluoride treatment vary for treatment of commodity, BMSB and for different countries. The incorrect treatment will result in the shipment needing to be retreated, inspected or, in certain cases re-exported.

You must provide evidence that the goods have been fumigated with sulfuryl fluoride using an approved third party program.

TREATMENT FOR GENERAL COMMODITIES

Sulfuryl Flouride – Under Caution
The dosage rates and document validation requirements for Sulfuryl Fluoride treatment vary for treatment of commodity, BMSB and for different countries.

The incorrect treatment will result in the shipment needing to be retreated, inspected or, in certain cases re-exported.

Methyl Bromide
Incorrect treatment will result in the shipment needing to be retreated, inspected or, in certain cases re-exported.

Heat Treatment
Incorrect treatment will result in the shipment needing to be retreated, inspected or, in certain cases re-exported.

1. A concentration–time product (CT) of at least 3,000 g–h/m³ over a minimum of 48 hours at 20°C (or above), maintaining a minimum concentration of 29 g/m³ for the entire length of the fumigation;
   or

2. A concentration–time product (CT) of at least 1,400 g–h/m³ over a minimum of 24 hours at 30°C (or above), maintaining a minimum concentration of 41 g/m³ for the entire length of the fumigation.

Note: The temperatures that the fumigation was performed at should be measured as a commodity core temperature or ambient air temperature (whichever is lower), using temperature monitoring sensors and must remain at least at that temperature throughout the duration of the treatment.

Sulfuryl fluoride fumigation can only be carried out offshore on goods without impervious coatings. Coating materials must be applied after fumigation of raw timber products. Please also note that Sulfuryl Fluoride cannot be used on oversize timber and logs exceeding 200mm in every direction.

For goods treated with sulfuryl fluoride in Italy, the Department will only accept evidence of treatment on treatment certificates issued by providers on the offshore Brown marmorated stink bug (BMSB) Treatment Providers Scheme.
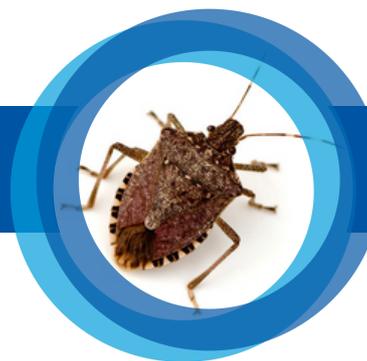
Alternative treatment options include:
- Methyl Bromide
- Heat Treatment
- Kiln Drying
- Permithrin

For goods treated with sulfuryl fluoride in all other countries, the department will accept evidence of treatment on treatment certificates from all commercial treatment providers or Phytosanitary Certificates.

All treatments must be performed within 6 calendar months of the date of export.

SULFURYL FLUORIDE FOR BMSB ONLY

You must provide evidence that the goods have been fumigated with sulfuryl fluoride using an approved third party program to 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 12g/m³

  or
- 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 8g/m³

Note: The approved stewardship program operators and their third party programs 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

Please note, only BMSB approved treatment provider certificates will be accepted from any BMSB affected country.

Where both a treatment is required for the commodity and for BMSB, the higher rate of treatment must be done. It may also be necessary to have the commodity treated and have certification done for the commodity level and a separate treatment and certificate issued for the BMSB.