

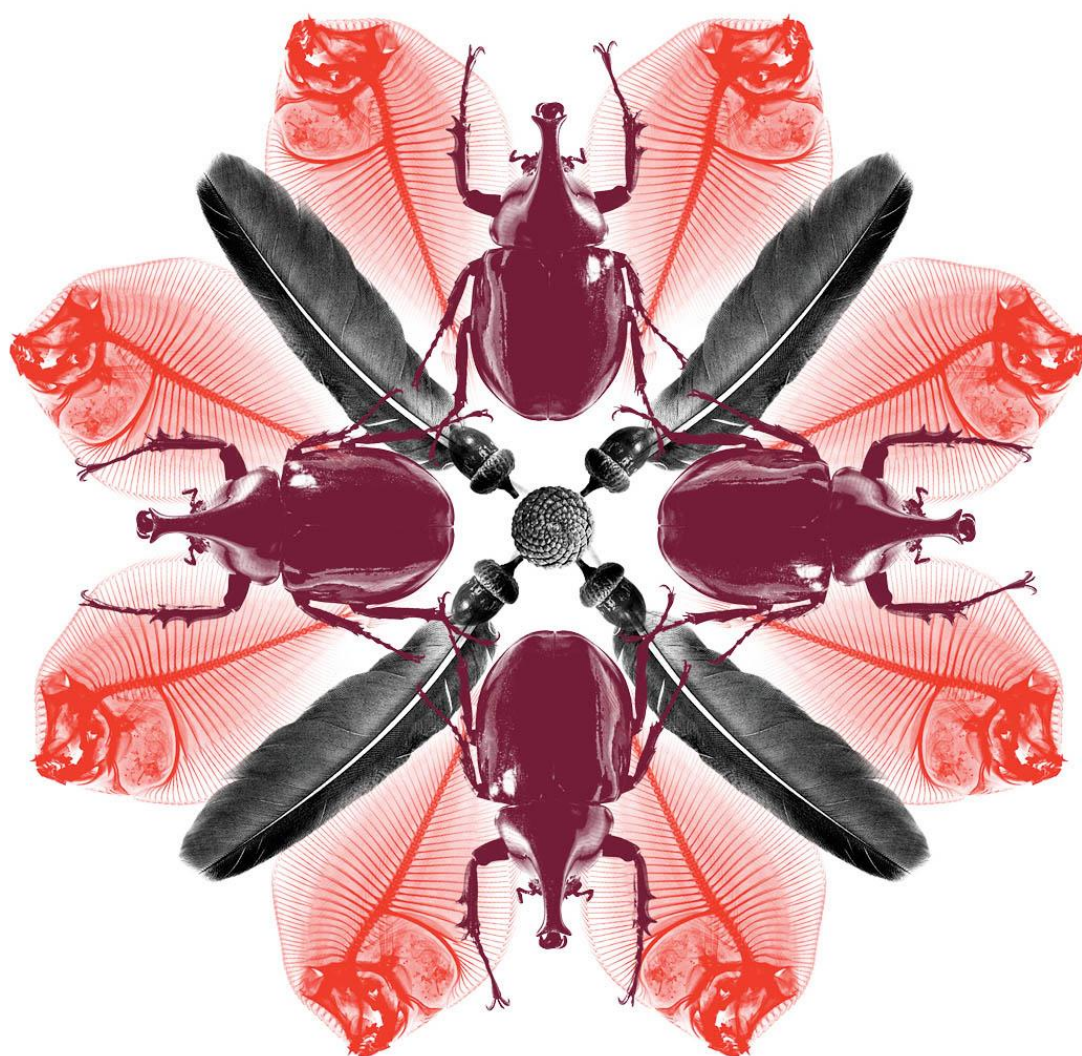


Australian Government
**Department of Agriculture,
Water and the Environment**

Approved arrangement

12.2 – sulfuryl fluoride fumigation requirements

Version 1



© Commonwealth of Australia

Ownership of intellectual property rights

Unless otherwise noted, copyright (and any other intellectual property rights, if any) in this publication is owned by the Commonwealth of Australia (referred to as the Commonwealth).

Creative Commons Licence

All material in this publication is licensed under a Creative Commons Attribution 3.0 Australia Licence, save for content supplied by third parties, logos and the Commonwealth Coat of Arms.

Creative Commons Attribution 3.0 Australia Licence is a standard form licence agreement that allows you to copy, distribute, transmit and adapt this publication provided you attribute the work. A summary of the licence terms is available from creativecommons.org/licenses/by/3.0/au/deed.en. The full licence terms are available from creativecommons.org/licenses/by/3.0/au/legalcode.

This publication (and any material sourced from it) should be attributed as: Approved Arrangements section, 2018, Approved arrangement for sulfuryl fluoride fumigation requirements, (Approved arrangement for sulfuryl fluoride fumigation requirements prepared for the Department of Agriculture, Water and the Environment), Canberra.

Department of Agriculture, Water and the Environment

Postal address GPO Box 858

Canberra ACT 2601

Telephone 1800 900 090

Web awe.gov.au

Inquiries regarding the licence and any use of this document should be sent to: copyright@agriculture.gov.au.

The Australian Government acting through the Department of Agriculture, Water and the Environment has exercised due care and skill in the preparation and compilation of the information and data in this publication. Notwithstanding, the department, its employees and advisers disclaim all liability, including liability for negligence, for any loss, damage, injury, expense or cost incurred by any person as a result of accessing, using or relying upon any of the information or data in this publication to the maximum extent permitted by law.

Version control

Updates to this document will occur automatically on the department's website and the revision table below will list the amendments as they are approved.

Date	Version	Amendments	Approved by
5 Sept 2018	1.0	First release. New approved arrangement for biosecurity fumigation using sulfuryl fluoride.	Approved arrangements section
6 December 2021	1.0	Added biosecurity risk information to the scope statement in Table 1.	Approved Arrangements section

Table of contents

Guide to using this document	4
Definitions	4
Other documents	4
Nonconformity guide	4
Approved arrangement requirements	5
Table 1 Scope	5
Table 2 Prerequisites	5
Table 3 Accredited persons	5
Table 3A Operating requirements	6
Table 4 Office and record requirements	7
Table 5 Maintaining approval	8

Guide to using this document

This document sets out the requirements that must be met before the relevant Director will consider approval for the provision of biosecurity activities under section 406 of the *Biosecurity Act 2015*, otherwise known as an approved arrangement.

This document specifies the requirements to be met for the approval, operation and audit of this class of approved arrangement. Compliance with the requirements will be assessed by audit.

In the event of any inconsistency between these requirements and any Import Permit condition, the Import Permit condition applies. If the applicant chooses to use automatic language translation services in connection with this document, it is done so at the applicant's risk.

Unless specified otherwise, any references to 'the department' or 'departmental' means the Department of Agriculture, Water and the Environment. Any references to contacting the department mean contacting your closest regional office.

Further information on approved arrangements, department contact details and copies of relevant approved arrangement documentation is available on the department's website: awe.gov.au.

Definitions

Definitions that are not contained within the Approved Arrangements Glossary can be found in the *Biosecurity Act 2015* or the most recent edition of the Macquarie Dictionary.

Other documents

The *Approved Arrangements General Policies* should be read in conjunction with these requirements. They will assist in understanding and complying with the obligations and requirements for the establishment and operation of an approved arrangement.

Nonconformity guide

The nonconformity classification against each criterion is provided as a guide only. If more than one nonconformity is listed against a requirement, the actual nonconformity applied will correspond to the gravity of the issue. The nonconformity recorded against any requirements remains at the discretion of the biosecurity officer.

Nonconformity classifications are detailed in the *Approved Arrangements General Policies*.

Approved arrangement requirements

Table 1 Scope

Requirements	Nonconformity guide
<p>1.1 Class 12.2 approved arrangement authorises sulfuryl fluoride fumigation of goods subject to biosecurity control under direction from the department.</p> <p>Sulfuryl fluoride fumigation is used to mitigate biosecurity risks in or on goods subject to biosecurity control, such as:</p> <ul style="list-style-type: none"> timber pests e.g., termites, timber boring beetles, longicorns, borers, weevils, bark beetles, some moths, and timber boring ants and wasps. stored product pests e.g., khapra beetle and other beetles, weevils, moths, grain borers, and meal worms other invertebrates such as spiders, red fire ants, mosquitos, hitch hiker pests e.g., brown marmorated stink bug Giant African Snails and other snails. <p>Information on biosecurity import conditions and biosecurity risks for imported goods, containers, other cargo and arriving vessels is available on the department's website.</p>	Not applicable
1.2 This approved arrangement class does not authorise biosecurity industry participants to release goods from biosecurity control after a fumigation has been completed.	Not applicable

Table 2 Prerequisites

Requirements	Nonconformity guide
2.1 Evidence of certification under a sulfuryl fluoride stewardship program for accredited persons responsible for the performance of fumigation under this arrangement must be provided.	NA
2.2 A copy of the distribution agreement held between the applicant and an Australian sulfuryl fluoride supplier/distributor must be provided.	NA
2.3 A register of accredited persons intended to perform biosecurity fumigations under the proposed arrangement, including full names, copies of relevant licenses, and evidence of stewardship program completion must be provided.	NA

Table 3 Accredited persons

Requirements	Nonconformity guide
3.1 An accredited person must personally conduct or directly supervise activities involving physical contact with, handling or treatment of items, subject to biosecurity control.	Major
3.2 Accredited persons must be able to demonstrate an understanding of requirements applicable to the activities performed under this arrangement.	Major
3.3 The department must be notified of changes to the register of accredited persons.	Minor
3.4 Accredited persons performing sulfuryl fluoride fumigations must hold valid state/territory fumigation licences in the state/territory where the fumigation is performed. Note: Trainee and provisional licences do not meet this requirement.	Critical
3.5 Accredited persons must provide a fumigation licence to the department on request.	Major

Table 3A Operating requirements

Requirements	Nonconformity guide
3.6 The biosecurity industry participant must ensure that biosecurity activities are carried out in accordance with the approved arrangement.	Minor or major or critical
3.7 Goods subject to biosecurity control must be maintained and processed in accordance with import conditions specified in the department's Biosecurity Import Conditions Database (BICON).	Minor or major or critical
3.8 Goods subject to biosecurity control must be maintained and processed in accordance with an import permit.	Major or critical
3.9 Goods subject to biosecurity control must be maintained and processed in accordance with any other direction from the department.	Minor or major or critical
3.10 Goods subject to biosecurity control must be maintained and processed in accordance with the <i>Biosecurity Act 2015</i> and subordinate legislation.	Major or critical
3.11 Fumigations performed under this approved arrangement class must comply with the requirements of the <i>Sulfuryl Fluoride Fumigation Methodology</i> .	Major or critical
3.12 Where a departmental direction or Import Permit prescribes a retention rate that is different from the retention rate requirements detailed in the <i>Sulfuryl Fluoride Fumigation Methodology</i> the greater rate must be applied.	Critical
3.13 The minimum temperature experienced during the fumigation period must be verified by: <ul style="list-style-type: none"> • minimum ambient temperature forecasts issued by and obtained from an official source (e.g. Bureau of Meteorology website) within the 24 hours prior to the fumigation start time or • temperature readings taken within the fumigation enclosure during the exposure period. 	Critical
3.14 Minimum ambient temperature records must include the predicted minimum temperatures for the duration of the exposure period and the date and time the forecast was obtained.	Major
3.15 Where forecast minimum ambient temperatures are predicted to go below the effective temperature range, the fumigation must not be performed unless the fumigation is performed in a temperature controlled environment.	Major or critical
3.16 Where temperature recording equipment is used and the temperature falls below the effective temperature range for the fumigation rate applied, the fumigation must be considered to have failed.	Critical
3.17 Where the fumigation is performed in a temperature controlled environment, temperature readings must be taken at intervals no greater than sixty seconds. Where a reading indicates the enclosure has fallen below the effective temperature range for the fumigation rate applied, the fumigation must be considered to have failed.	Major or critical
3.18 Where it is determined that sulfuryl fluoride fumigation is not suitable for the goods the biosecurity industry participant must not proceed with the fumigation. The biosecurity industry participant must contact the importer or nominated agent to arrange for amended directions from the department.	Major
3.19 The result of the fumigation must be recorded on the <i>Record of sulfuryl fluoride fumigation</i> form.	Minor
3.20 For fumigations performed in a temperature controlled environment, all temperature monitoring readings, including the time and location at which they were taken must be included as an attachment to the <i>Record of sulfuryl fluoride fumigation</i> .	Minor or major
3.21 Field notes/records created during the performance of fumigations must be maintained and provided to the department on request.	Major

3.22 The <i>Certificate of fumigation</i> and the <i>Record of sulfuryl fluoride fumigation</i> must be signed by the accredited person who conducted or directly supervised the fumigation.	Major
3.23 A completed <i>Record of sulfuryl fluoride fumigation</i> must be provided to the department.	Major
3.24 If at any stage an accredited person determines that the fumigation has failed, the consignment must be re-fumigated. The suspected reasons for the fumigation failure must be noted on the <i>Record of sulfuryl fluoride fumigation</i> . The record must be retained and provided to the department on request.	Major
3.25 The biosecurity industry participant must comply with local, state and federal requirements relevant to the licensing and performance of fumigations. Documented evidence of compliance with these requirements must be provided to the department on request.	Minor or major
3.26 The department must be notified where fumigations are unable to be performed as a result of regulatory controls applied to the biosecurity industry participant or an accredited person listed on the accredited persons register by regulatory agencies other than the department.	Major
3.27 The department must be notified if the distribution agreement with an Australian supplier of sulfuryl fluoride is no longer in place.	Major

Table 4 Office and record requirements

Requirements	Nonconformity guide
<p>4.1 The following records must be created and maintained:</p> <ul style="list-style-type: none"> • register of accredited persons performing sulfuryl fluoride fumigations, including full names, copies of relevant licenses, and evidence of stewardship program completion. • calibration and/or service records for equipment as required by the <i>Sulphuryl Fluoride Fumigation Methodology</i> • temperature records (refer 3.13-3.17) • records required by the <i>Sulphuryl Fluoride Fumigation Methodology</i>. 	Major
4.2 Records and documents that are related to a single fumigation must be linked using a unique identifier such as the AIMS entry number.	Major
4.3 The biosecurity industry participant must provide access to records created or maintained for commercial reasons or to meet other legislative requirements (e.g. sulfuryl fluoride usage records) upon request by the department for audit purposes.	Major
4.4 Records maintained as part of this approved arrangement class must be made available to the department within two business days upon request.	Minor
4.5 The biosecurity industry participant must ensure records are kept for a minimum of two years for goods subject to biosecurity control.	Major

Table 5 Maintaining approval

Requirements	Nonconformity guide
5.1 The biosecurity industry participant must notify the department in writing at least 15 working days prior to ceasing or transferring operations of an approved arrangement.	Major
<p>5.2 The biosecurity industry participant must notify the department in writing as soon as practicable within 15 working days of becoming aware of any change of status, not previously been notified to the department, of the biosecurity industry participant or their associates relevant to the operation of the approved arrangement in relation to any of the following matters:</p> <ul style="list-style-type: none"> conviction of an offence or order to pay a pecuniary penalty under the <i>Biosecurity Act 2015</i>, <i>Quarantine Act 1908</i>, <i>Customs Act 1901</i>, <i>the Criminal Code</i> or <i>the Crimes Act 1914</i> debt to the Commonwealth that is more than 28 days overdue under the <i>Biosecurity Act 2015</i>, <i>Quarantine Act 1908</i>, <i>Customs Act 1901</i>, <i>the Criminal Code</i> or <i>the Crimes Act 1914</i> refusal, involuntary suspension, involuntary revocation/cancellation or involuntary variation of an Import Permit, quarantine approved premises, compliance agreement or approved arrangement under the <i>Quarantine Act 1908</i> or the <i>Biosecurity Act 2015</i>. 	Critical
5.3 Departmental officers and department approved auditors, must be provided access to the approved arrangement fumigation site to perform the functions and exercise the powers conferred on them by the Biosecurity Act or another law of the Commonwealth.	Critical
5.4 Departmental officers or department approved auditors, must be provided with facilities and assistance as requested, and any required documents, records or things relevant to the audit.	Major or critical
5.5 The department must be notified of any reportable biosecurity incident as soon as practicable, in accordance with the determination made by the Director of Biosecurity.	Critical
5.6 Department approved auditors must be permitted to collect evidence of compliance and noncompliance with approved arrangement requirements through actions including the copying of documents and taking of photographs.	Major or critical
<p>5.7 The biosecurity industry participant must notify the department in writing as soon as practicable within 15 days of any change in:</p> <ul style="list-style-type: none"> persons in positions responsible for controlling, directing, enforcing or monitoring people performing activities associated with the approved arrangement biosecurity industry participant details, including: <ul style="list-style-type: none"> entity name Australian business number or Australian company number postal address email address telephone number. 	Major or critical