

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

REVISION REGISTER

Version	Date of Issue	Amendment Details
3	23/04/2019	Version 3 issued, replaces version 2.
4	14/12/2022	Version 4 issued, replaces version 3. Updated to include pots up to 50L for Tasmania import only and to the requirements table to meet the chemical requirements of the Tasmania and Western Australia import requirements.

Authorised:

L Coppinger
Plant Biosecurity & Product Integrity

© State of Queensland 2022

This publication has been compiled by Biosecurity Queensland, Department of Agriculture and Fisheries.

© State of Queensland, 2022.

The Queensland Government supports and encourages the dissemination and exchange of its information. The copyright in this publication is licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence.



Under this licence you are free, without having to seek our permission, to use this publication in accordance with the licence terms.

You must keep intact the copyright notice and attribute the State of Queensland as the source of the publication.

For more information on this licence, visit <https://creativecommons.org/licenses/by/4.0>.

The information contained herein is subject to change without notice. The Queensland Government shall not be liable for technical or other errors or omissions contained herein. The reader/user accepts all risks and responsibility for losses, damages, costs and other consequences resulting directly or indirectly from using this information Disclaimer.

TABLE OF CONTENTS

1.	PURPOSE	4
2.	SCOPE	4
3.	REFERENCES	5
4.	DEFINITIONS	6
5.	RESPONSIBILITY	8
6.	REQUIREMENT	9
7.	PROCEDURE	12
7.1	Accreditation	12
7.1.1	Application for Accreditation	12
7.1.2	Audit Process.....	13
7.1.3	Certificate of Accreditation.....	14
7.2	Preparation of Chemical Treatments.....	14
7.2.1	Liquid Treatments	14
7.2.2	Wetting Agent	15
7.3	Treatment Application.....	15
7.3.1	Media Treated by a 3 rd Party Business	15
7.3.2	Designated Treatment Area.....	16
7.3.3	Schedule of Treatments.....	16
7.4	Calculating Bulk and Potted Media Volumes	16
7.4.1	Media Density	16
7.4.2	Measuring Bulk and Potted Media.....	17
7.4.3	Calculation examples for media calculation	17
7.5	Treatments.....	18
7.5.1	Potting Media Liquid Treatment.....	18
7.5.2	Potting Media Granular Treatment	18
7.5.3	Cover Spray Treatment	19
7.5.4	Treatment Mixture and Preparation Records	19
7.6	Maintenance and Calibration of Equipment	20
7.6.1	Calibration of Weighing Equipment	20
7.6.2	Weighing Equipment Calibration Records	20
7.6.3	Spray Tank Volume and Calibration	21
7.6.4	Treatment Mixture Preparation Chart(s).....	21
7.7	Dispatch.....	22
7.7.1	Package Identification.....	22
7.7.2	Plant Health Assurance Certificates	23
7.7.3	Plant Health Assurance Certificate Distribution.....	24
7.7.4	Secure Transport (Tasmania only)	24
7.8	ICA System Records	24
7.9	ICA System Documentation	24
8.	ATTACHMENTS	25

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

1. PURPOSE

The purpose of this procedure is to describe -

- (a) the principles of operation, design features, treatment equipment and standards required; and
- (b) the responsibilities and practices of personnel;

that apply to the cover spraying of plants and treatment of potting media under an Interstate Certification Assurance (ICA) arrangement.

2. SCOPE

This procedure covers certification for cover spraying of plants and the treatment of potting media from a business operating under an ICA arrangement in Queensland.

Pests: Western Australia, as per the **Western Australian Organism List**¹
Tasmania, as per the **Tasmanian Plant Quarantine Act 1997**
Section 12 – Publication of pests and diseases²

Produce: Soil-less media, above ground and below ground vegetative structures

Location: Western Australia and Tasmania

This procedure is applicable where the requirement(s) specified in [Section 6. Requirement](#) is a specified condition of entry of an interstate quarantine authority.

Certification of nursery stock under this Operational Procedure is currently only accepted by Western Australia and Tasmania and is not an accepted quarantine entry condition for other interstate markets.

Some intrastate or interstate markets may require additional quarantine certification for pests and diseases as a condition of entry. It is the responsibility of the business consigning the produce to ensure compliance with all applicable quarantine requirements.

Information on interstate quarantine requirements can be obtained from the plant quarantine service in the destination state or territory.

¹ Available <https://www.agric.wa.gov.au/bam/western-australian-organism-list-waol>

² Available <https://nre.tas.gov.au/biosecurity-tasmania/plant-biosecurity/tasmanian-plant-biosecurity-pest-lists>

3. REFERENCES

- ICA-WI-02** *Guidelines for Completion of Plant Health Assurance Certificates.*
- APVMA Permit No. PER9796** *Permit to Allow Minor Use of an Agvet Chemical Product as an Aid to manage identified quarantine soil pests susceptible to Bifenthrin for quarantine treatment for ornamental species and non-bearing fruit trees. This permit is in force from 1 April 2007 to 31 July 2027, unless sooner revoked, suspended, surrendered, or cancelled.*
- APVMA Permit No. PER13959** *Permit to Allow Minor Use of an Agvet Chemical Product as an Aid to manage Red imported Fire Ant on potting media for use in nursery stock (non-food and non-bearing fruit trees). This permit is in force from 4 April 2018 to 31 March 2023, unless sooner revoked, suspended, surrendered, or cancelled.*
- APVMA Permit No. PER14256** *Permit to Allow Minor Use of an Agvet Chemical Product as an Aid of protection of potting mix from colonization by fire ants for container grown ornamental nursery plants. This permit is in force from 26 August 2013 to 30 September 2025, unless sooner revoked, suspended, surrendered, or cancelled.*
- APVMA Permit No. PER10043** *Permit to Allow Minor Use of an Agvet Chemical Product as an Aid to manage identified quarantine pests for quarantine treatment for potted ornamentals, non-bearing fruit trees/plants. This permit is in force from 18 May 2007 to 31 July 2027, unless sooner revoked, suspended, surrendered, or cancelled.*
- APVMA Permit No. PER13504** *Permit to Allow Minor Use of an Agvet Chemical Product as an Aid to manage Red imported Fire Ant in potted plants, containerised plants and root-balled plants. This permit is in force from 1 October 2012 to 30 September 2027, unless sooner revoked, suspended, surrendered, or cancelled.*
- APVMA Permit No. PER12073** *Permit to Allow Minor Use of an Agvet Chemical Product as an Aid to manage Red imported Fire Ant and Tropical Fire Ant in potted plants, containerised plants and bagged root-balled plants. This permit is in force from 1 October 2012 to 30 September 2027, unless sooner revoked, suspended, surrendered, or cancelled.*

4. DEFINITIONS

accredit	means to accredit persons to give a Biosecurity Certificates in accordance with Section 415 of the <i>Biosecurity Act 2014</i> .
Accredited Certifier	means a person who holds accreditation under chapter 15 of the <i>Biosecurity Act 2014</i> to give biosecurity certificates.
APVMA	means the Australian Pesticides and Veterinary Medicines Authority.
Agvet Code	means the <i>Agvet Code of Queensland</i> .
Application for Accreditation	means an <i>Application for Accreditation of a Business for an Interstate Certification Assurance (ICA) Arrangement</i> [CAF-47].
assurance certificate	means a <i>Plant Health Assurance Certificate</i> [CAF-16].
Authorised Signatory	means an officer of an ICA accredited business whose name and specimen signature is provided as an authorised signatory with the business' Application for Accreditation.
bare rooted	means free from soil and potting media in preparation for transplanting.
Bulk media	means a quantity of media that has not been placed into containers such as plant pots.
Business	means the legal entity responsible for the operation of the facility and ICA arrangement detailed in the business' Application for Accreditation.
Certification Assurance	means a voluntary arrangement between DAF and a business that demonstrates effective in-house quality management and provides assurance through documented procedures and records that produce meets specified requirements.
Certified/certification	means covered by a valid <i>Plant Health Assurance Certificate</i> [CAF-16].
Cover spraying	means saturating all exposed parts of the plant, trunks, stems, leaves, buds, flowers, fronds or isolated parts to the point of run-off with a chemical solution or suspension.
DAF	means the Department of Agriculture and Fisheries Queensland.
Drench	means applying the treatment solution to the point where the growing media and root ball of the potted plant is totally saturated with a minimum volume of treatment solution equal to 20% of the volume of the media in the container and applied when the growing media is sufficiently dry so that the solution is absorbed by the growing media.

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

Emulsifiable concentrate (EC)	means a liquid homogenous formulation of a pesticide with emulsifiers in an organic solvent which forms a dispersion (suspension) when added to water as a diluent.
Facility	means the location where the operations covered by the ICA arrangement are carried out.
Granule/s	means a solid formulation comprising particles of defined size for application without further dilution, usually to soil.
ICA	means Interstate Certification Assurance.
Immersion	means submersing the entire container of the potted plant so that the growing media is completely covered by the treatment solution until bubbling ceases
Inspector	means an Inspector appointed under the <i>Biosecurity Act 2014</i> .
Interstate Certification Assurance	means a system of Certification Assurance developed to meet the requirements of State and Territory governments for the certification of produce for interstate and intrastate quarantine purposes.
Liquid treatment	meaning of a liquid state.
Lot	means a discrete quantity of product treated at one time.
Media	means washed river sand, decayed vegetable material such as peat, sphagnum peat moss, hypnaceous peat moss, bark, sawdust, perlite, vermiculite, rice husk, gravel and rock, or any combination of these but excludes soil.
Non-conformance	means a non-fulfilment of a specified requirement.
Plant	means living plants and parts of plants but excludes seeds, fruit, dried or processed plant materials.
Potted/ing media	means media contained within a pot or other container in preparation for planting plants.
Red imported fire ant/fire ants	means <i>Solenopsis invicta</i> .
Suspension concentrate (SC)	means a formulation in which the active ingredient is in the form of a stable dispersion (suspension) of fine particles in water.
Tropical Fire Ant	means <i>Solenopsis geminate</i> .
Wettable (or water dispersible) powder (WP)	means a pesticide in a dry form with surfactant, often mixed with, or coated on, a fine solid carrier, for dispersion in water to form a suspension.

5. RESPONSIBILITY

These position titles have been used to reflect the responsibilities of staff under the ICA arrangement. These positions may not be present in all businesses, or different titles may be used for staff who carry out these responsibilities. In some businesses one person may carry out the responsibilities of more than one position.

The **Certification Controller** is responsible for –

- representing the business during audits and other matters relevant to ICA accreditation;
- training staff in their duties and responsibilities under this Operational Procedure;
- ensuring the business and its staff comply with their responsibilities and duties under this Operational Procedure;
- ensuring the preparation of chemicals and treatment of plants for certification under this ICA Arrangement is carried out accordance with the requirements of the operational procedure and relevant APVMA permits;
- ensuring plants and media intended for certification are kept within the designated treatment area until potting of media or dispatch of plants has occurred ([refer 7.3.2](#)).

The **Treatment Operator** is responsible for –

- applying treatments according to specified requirements ([refer 7.5](#));
- preparing media and plant treatment mixtures ([refer 7.5.3](#));
- performing equipment calibrations and maintaining calibration records ([refer 7.6](#));
- maintaining tank calibration certificates for the treatment tank(s) used for treatment of plants or media under this Operational Procedure ([refer 7.6.3](#)).

The **Authorised Dispatcher** is responsible for –

- ensuring all plants covered by an Assurance Certificate issued by the business under this Operational Procedure are identified ([refer 7.7.2](#));
- maintaining copies of all Assurance Certificates issued by the business under the ICA arrangement ([refer 7.8](#)).

Authorised Signatories are responsible for –

- ensuring, prior to signing and issuing an Assurance Certificate, that produce covered by the certificate has been prepared in accordance with the business' ICA arrangement and that the details on the certificate are true and correct in every particular ([refer 7.7](#)).

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

6. REQUIREMENT

- Plants in pots greater than 20 Litres for Western Australia and greater than 50 Litres for Tasmania; and
- Potting media including soil; and
- Culinary herbs and leafy vegetables and nursery stock bearing fruit;
cannot be certified under the Operational Procedure

All produce certified under this operational procedure shall be treated in accordance with the following requirements: -

Commodity	Item	Treatment	WA	TAS
All Plants	All Parts of Plants	<ul style="list-style-type: none">Treatments are to be applied with a commercial wetting agent in accordance with the manufacturer's recommended rate to attain 100% coverage, until the point of run off, except where otherwise specified on the label of the relevant chemical.All spray treatments are to be applied within 10 days prior to export or chilling.	✓	✓
Plants in non-soil potting media	Non-soil Potting Medium	<ul style="list-style-type: none">The volume of the solution that has been applied to all potting medium treatments to be at least 20% of the volume of the container and applied when the media is not saturated and has been contained.	✓	✓
Plants in non-soil potting media	Non-soil Potting Medium	<ul style="list-style-type: none">Bifenthrin 2g/kg (granules) as per APVMA permit 9796 applied within 60 days prior to export; or	✓	✓
		<ul style="list-style-type: none">Bifenthrin 2g/kg (granules) as per APVMA permit 13959 applied within 60 days prior to export; or	X	✓
		<ul style="list-style-type: none">SuSCon Green® at label recommendations applied within 180 days prior to export; or	✓	✓
		<ul style="list-style-type: none">Chlorpyrifos 100g/kg granules (SuSCon Green®) in accordance with APVMA permit 14256; or	X	✓
		<ul style="list-style-type: none">Full immersion or drenching of the container and root ball in a solution of bifenthrin as per permit 10043 and a commercial wetting agent used at the manufacturer's recommended rate; or	✓	✓
		<ul style="list-style-type: none">Full immersion or drenching of the container and root ball in a solution of chlorpyrifos 500 g/L at 40 mL/100L of water and a commercial wetting agent used at the manufacturer's recommended rate; or	✓	X
		<ul style="list-style-type: none">Full immersion or drenching of the container and root ball using a product containing 500g/L chlorpyrifos as its only active constituent at a mixture rate of 40ml/100L as per permit 13504 with a commercial wetting agent used at the manufacturer's recommended rate; or	X	✓
		<ul style="list-style-type: none">drenching with cyfluthrin in accordance with APVMA permit 12073.	X	✓
		And		

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

Commodity	Item	Treatment	WA	TAS
	Above Ground Parts	<ul style="list-style-type: none"> Thiophanate-Methyl 250g/kg Etridiazole 150 g/kg (eg Banrot) at label recommendations; or 	✓	✓
		<ul style="list-style-type: none"> Thiophanate-Methyl 50g/kg / Etridiazole 30 g/kg (eg Banrot) at label recommendations; or 	✓	X
		<ul style="list-style-type: none"> Etridiazole 350g/kg (eg Terrazole) at label recommendations; or 	✓	✓
		<ul style="list-style-type: none"> Propamocarb at label recommendations. 	✓	✓
		<ul style="list-style-type: none"> Imidacloprid as per APVMA permit 9795 and label recommendations; or 	✓	✓
		<ul style="list-style-type: none"> Acetamiprid 225 g/L at 44mL/100 L; 	✓	✓
		And		
		<ul style="list-style-type: none"> Bifenthrin as per APVMA permit 9795; 	✓	✓
		And		
		<ul style="list-style-type: none"> Mancozeb as per APVMA permit 9795; or 	✓	✓
		<ul style="list-style-type: none"> Chlorothalonil at label rate; or 	✓	X
		<ul style="list-style-type: none"> Chlorothalonil (500g/kg at 20ml/10L at label rate (permit 9795); or 	X	✓
		<ul style="list-style-type: none"> any other fungicide from Activity Group 28, M1, M2, M3, M4, M5, or M9 at label recommendations; or 	✓	✓
		<ul style="list-style-type: none"> any other fungicide from Activity Group 29 at label recommendations; or 	✓	X
		<ul style="list-style-type: none"> any other Activity Group 92 or M7 fungicide at label rate. 	X	✓
Plants with leaves – bare rooted and cuttings	Above Ground Part	<ul style="list-style-type: none"> Imidacloprid as per APVMA permit 9795 and label recommendations; or 	✓	✓
		<ul style="list-style-type: none"> Acetamiprid 225 g/L at 44mL/100 L; 	✓	✓
		And		
		<ul style="list-style-type: none"> Bifenthrin as per APVMA permit 9795; 	✓	X
		And		
		<ul style="list-style-type: none"> Mancozeb as per permit 9795; or 	✓	✓
		<ul style="list-style-type: none"> Chlorothalonil at label rate; or 	✓	X
		<ul style="list-style-type: none"> Chlorothalonil (500g/kg at 20ml/10L at label rate (permit 9795); or 	X	✓
		<ul style="list-style-type: none"> Chlorothalonil or any other fungicide from Activity Group 28, 29, 33, M, M1, M2, M3, M4, M5, M7 OR M9 at label recommendations; or 	✓	✓
		<ul style="list-style-type: none"> any other fungicide from Activity Group 29 at label recommendations; or 	✓	X
		<ul style="list-style-type: none"> any other Activity Group 92 or M7 fungicide at label rate. 	X	✓
	All Parts	<ul style="list-style-type: none"> Imidacloprid as per APVMA permit 9795 and label recommendations; or 	✓	X
		<ul style="list-style-type: none"> Acetamiprid 225 g/L at 44mL/100 L; 	✓	X
		AND		
		<ul style="list-style-type: none"> Bifenthrin as per APVMA permit 9795; 	✓	X

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

Commodity	Item	Treatment	WA	TAS
Bulbs, corms, rhizomes, and other below ground vegetative structures free from leaves potting medium and soil		AND		
		• Mancozeb as per APVMA permit 9795; or	✓	✓
		• Chlorothalonil at label recommendations; or	✓	X
		• Chlorothalonil (500g/kg at 20ml/10L at label rate (permit 9795); or	X	✓
		• any other fungicide from Activity Group 28, 29, M1, M2, M3, M4, M5, or M9 at label recommendations; or	✓	✓
		• any other fungicide from Activity Group 29 at label recommendations; or	✓	X
Plants without leaves – bare rooted (free from soil and potting media) and cuttings	All Parts or Plants	• Bifenthrin as per APVMA permit 9795;	✓	X
		AND		
	Above Ground Parts	• Mancozeb as per permit 9795; or	✓	✓
		• Chlorothalonil at label rate; or	✓	X
		• Chlorothalonil (500g/kg at 20ml/10L at label rate (permit 9795); or	X	✓
		• any other fungicide from Activity Group 28, 29, M1, M2, M3, M4, M5, or M9 at label recommendations; or	✓	✓
		• any other fungicide from Activity Group 29 at label recommendations; or	✓	X
		• any other Activity Group 92 or M7 fungicide at label rate;	X	✓
		AND		
		White oil at label recommendations.	✓	X
Plants for consumption –culinary herbs and leafy vegetables	All Parts of Plants	Cannot be certified under the Operational Procedure.	X	X
Potting Media	Soil	Cannot be certified under the Operational Procedure.	X	X
Plants in Pots	Up to 20L	N/A	✓	✓
	Up to 50L	N/A	X	✓

APVMA Permit No. 9795 states imidacloprid must only be used in situations that are either currently approved on imidacloprid product labels or under a permit at the rates specified on the product label or permit for that situation.

There are a range of compatibility statements in imidacloprid labels including some statements that do not allow the product to be mixed with other products. Prior to use the business must ensure their imidacloprid products are compatible to mix with other products. Please refer to the product label for compatibility statements. Please refer to Department of Agriculture and Food Western Australia (DAFWA) plant quarantine website at <https://www.agric.wa.gov.au/iaquarantine/> for entry conditions of these commodities.

The Department of Agriculture and Fisheries Queensland and interstate quarantine authorities maintain the right to inspect certified produce at any time and to refuse to accept a certificate where produce is found not to comply with specified requirements.

Some plants may be damaged by chemical treatments. Businesses applying chemical treatments should check with the chemical manufacturer/s in the first instance or request guidance from Departmental officers. Test the mixture on a small scale before widespread use.

The business must use products registered under the Agvet Code in accordance with the instructions included on the product's approved label or an applicable APVMA permit. Any first aid, safety, protection, storage and disposal directions on the product label or permit should also be followed. Treatment facilities must comply with the requirements of the local government, environmental and workplace health and safety authorities.

Following the required treatments in this operational procedure does not absolve the business from the responsibility of ensuring treated produce does not contain a pesticide above the Maximum Residue Level (MRL).

7. PROCEDURE

7.1 Accreditation

7.1.1 Application for Accreditation

An Accredited Certifier seeking accreditation for an Interstate Certification Assurance arrangement must make application for accreditation by lodging the form *Application for Accreditation of an Accredited Certifier for an Interstate Certification Assurance (ICA) Arrangement* [CAF-47] ([refer Attachment 1](#)) at least 10 working days prior to the intended date of commencement of operation under the ICA arrangement.

This application may be lodged online at:-

<https://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/land-management/certification-moving-plants/accreditation>; or;

As outlined on the first page of the application form.

7.1.2 Audit Process

Initial Audit

Prior to an Accredited Certifier becoming accredited an initial audit of the business is conducted. This is to verify the ICA system is implemented and capable of operating in accordance with the requirements of the Operational Procedure, and the system is effective in ensuring compliance with the specified requirements of the ICA arrangement.

On completion of a successful initial audit, accreditation is granted to cover the current season, up to a maximum of twelve months from the date of initial accreditation, and a Certificate of Accreditation is issued ([refer 7.1.3 Certificate of Accreditation](#)).

Compliance Audits

Compliance audits are conducted to verify that the ICA system continues to operate in accordance with the requirements of the Operational Procedure.

Compliance audits are, wherever practical, conducted when the ICA system is operating.

A compliance audit is conducted within four weeks of the commencement of accreditation under the ICA arrangement.

An additional compliance audit is conducted between six and nine months after the date of accreditation for an ICA arrangement that operates for more than six months of the year.

Random audits are conducted on a selected number of ICA arrangements each year. Random audits may take the form of a full compliance audit, or audits of limited scope to sample treatment mixtures, certified produce, ICA system records or ICA system documentation.

Unscheduled compliance audits may be conducted at any time to investigate reported or suspected non-conformances.

Re-Accreditation

Accredited Certifiers are required to re-apply for accreditation each year the Accredited Certifier seeks to operate under the ICA arrangement. Accredited certifiers seeking re-accreditation must lodge a renewal application prior to accreditation lapsing, or if accreditation has lapsed, prior to commencing further

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

certification of produce under the ICA arrangement. Applications for re-accreditation are sent out by DAF prior to the expiry date of the accreditation.

A compliance audit is conducted within twelve weeks of the date of re-accreditation for a business applying for annual re-accreditation.

7.1.3 Certificate of Accreditation

An Accredited Certifier will receive a *Certificate of Accreditation for an Interstate Certification Assurance Arrangement* detailing the scope of the arrangement including –

- the facility location;
- the Operational Procedure;
- any restrictions on the accreditation such as the chemicals covered; and
- the period of accreditation.

The Accredited Certifier must maintain a current Certificate of Accreditation and make this available on request by an Inspector.

An Accredited Certifier may not commence or continue certification of produce under the ICA arrangement unless it is in possession of a valid and current Certificate of Accreditation for the facility, procedure, produce type and chemical covered by the Assurance Certificate.

7.2 Preparation of Chemical Treatments

The chemical treatments used in this procedure are available in granular, wettable powder and liquid (emulsifiable, soluble and suspension concentrates) formulations. All treatments shall be applied in accordance with the manufacturer's product label or current APVMA permit for use. Chemical products shall only be mixed together where the label prescribes a compatibility statement to allow such mixing.

7.2.1 Liquid Treatments

The Treatment Operator shall prepare the treatment mixture at least daily or more frequently as required.

Using a clean graduated measuring vessel, measure the amount of product required for the required volume of mixture. Suitable measuring vessels include graduated plastic or glass measuring cylinders or syringes.

For wettable powder concentrates, the required number of grams (g) must be weighed on a balance with tare or measured allowance taken into consideration for the weight of container used.

Add the required amount of product to the spray tank in accordance with the manufacturer's directions on the label. Solid concentrates should be mixed with water before adding to the tank.

Add the required amount of commercial wetting agent in accordance with the manufacturer's directions on the label.

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

Fill the treatment tank with clean water to the appropriate incremental volume mark or maximum mixture level mark.

Ensure that the product is completely diluted in all of the water by mixing the tank for a minimum of two minutes before commencing the spray operation. Some facilities may require extended periods of mixing to fully dilute the product in the water.

Spray equipment must have a means of continuous mixing of the spray mixture in the spray tank throughout the spray operation to avoid settling or separation of the concentrate. This can be achieved by mechanical mixing devices in the spray tank, or agitation from spray mixture returned via a by-pass from the spray pump.

The Treatment Operator shall record preparation of a mixture on the Treatment Mixture and Preparation Record ([refer Attachment 9](#)).

7.2.2 Wetting Agent

All cover spray treatments shall be applied with wetting agent at the manufacturer's recommended rate to attain 100% coverage, until the point of run off (except where otherwise specified on the label). Follow the label instructions for the compatible product recommended, and record amounts used on the *Treatment Mixture and Preparation Record* ([refer Attachment 9](#)).

7.3 Treatment Application

The treatment mixtures shall be applied to -

- (a) media as a drench, topical or an incorporated treatment;
- (b) plants as a cover spray to both sides of the leaves to the point of run-off.

Application of each of these methods shall be in accordance with the manufacturer's label requirements or relevant APVMA permit.

A fresh chemical treatment mixture is prepared for each day that treatment is to be applied.

7.3.1 Media Treated by a 3rd Party Business

A business who receives media with a granular treatment already incorporated into the media shall ensure a *Supplier Declaration for the Supply of Treated Media* ([Attachment 3](#)) is received with each delivery of treated media. The declaration must identify –

- (a) the trading name of the business who prepared the treatment;
- (b) the trade name of the product used;
- (c) the quantity of product used in the treatment mixture per litre (L) or per cubic metre (m³);
- (d) the bulk density of the made-up media;
- (e) the date of application;
- (f) the name and signature of the person responsible for the incorporation of the treatment into the media.

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

The business shall maintain a *Supplier Declaration for the Supply of Treated Media* for each delivery of treated media the business receives. Declarations shall be made available to an inspector upon request.

7.3.2 Designated Treatment Area

All treatment of plants and media shall be performed in a designated treatment area. The Treatment Operator shall identify the treatment area by placing signage on the outer perimeter of the treatment area. The signs must clearly identify the area as a '*Quarantine Treatment Area*'. The designated treatment area may be cordoned off with a barrier such as tape surrounding the perimeter of the area.

No plants or media shall be introduced to a designated treatment area once treatments have commenced. Several designated treatment areas can be active within the business' accredited facility at one time.

A designated treatment area can be portable and move to different areas within the accredited business' facility. All media treated within a treatment area shall remain within the area until potted into containers. All plants within a treatment area shall remain within a designated treatment area until dispatch.

7.3.3 Schedule of Treatments

The Treatment Operator shall determine a schedule for treatments of media and plants. All liquid treatments must be applied within 10 days prior to consignment.

A *Treatment Schedule* record is required where granular media treatments are applied greater than 10 days prior to consignment. The *Treatment Schedule* record ([refer Attachment 4](#)) shall include all treatments applied and record –

- (a) the date of treatment for each chemical product used;
- (b) the formulation of the chemical product used (granular, wettable powder or type of liquid formulation);
- (c) the item being treated - either media or plants;
- (d) the concentration of active ingredient applied;
- (e) the method of treatment applied to either media or plants;
- (f) the intended date of certification; and
- (g) at time of consignment, the number of the Plant Health Assurance Certificate issued for the consignment of plants or plant products.

7.4 Calculating Bulk and Potted Media Volumes

7.4.1 Media Density

The rate of chemical product to add to media will vary and is dependent on the density of the media. The following table serves as a guide to average densities of commonly used media. Where the media to be treated varies from the specified ratios below, the average composition of the media shall be used to determine the application rate for the chemical product. This section only applies to Bifenthrin granules.

This section is applicable to Bifenthrin Granules please check the relevant APVMA Permit or approved label to ensure that the intended use is approved.

Media Mixture	Estimate Density
100 % peat/bark	Light
25% sand with 75% peat/bark	Light - Medium
50% sand with 50% peat/bark	Medium
75% sand with 25% peat/bark	Medium - Heavy
100% sand	Heavy

7.4.2 Measuring Bulk and Potted Media

The quantity of chemical product that will be added to bulk or potted media depends on the manufacturer's label instructions or relevant APVMA permit. The quantity of bulk or potted media to be treated with the chemical product must first be determined as either:

- a volume expressed in cubic metres (m³); or
- a volume expressed in litres (L).

Refer to calculation examples [7.4.3](#).

Once the quantity of bulk or potted media to be treated is known, the amount of the chemical product required to treat that quantity of media can be calculated by multiplying the specified application rate by the quantity of media.

7.4.3 Calculation examples for media calculation

The following calculations may be used to determine the volume of bulk media in cubic metres (m³) Cube/rectangular prism – Length (L) x Width (W) x Height (H)

For example

A pile of media that is:

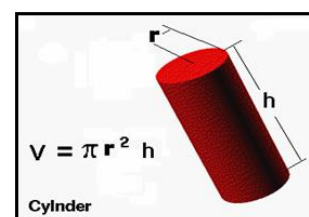
$$4.0 (L) \times 3.0 (W) \times 1.0 (H) = 12 \text{ m}^3$$

Cylinders – Pi (3.1416) x radius squared (r²) x height (h)

- Determine the top diameter and divide by 2 to get the radius.
- Determine the vertical height of the container by measuring from the centre top to the bottom.

Use the following equation:

$$\text{Volume} = \text{Pi}(3.1416) \times \text{radius}(r)^2 \times \text{Height}(h)$$



Example

For a tube with a diameter 6.26cm, radius 3.13cm and height 6.75cm, the calculation is:

$$3.1416 \times (3.13 \times 3.13) \times 6.75 = 207.75 \text{ cubic centimetres (cm}^3\text{)}$$

Pot (frustum)

- Determine the top and bottom diameters
- Determine the pot height

Use the following equation:

$$\text{Volume} = \pi \div 3 \times \text{Height (h)} \times (\text{top radius}^2 + \text{top radius} \times \text{bottom radius} + \text{bottom radius}^2)$$

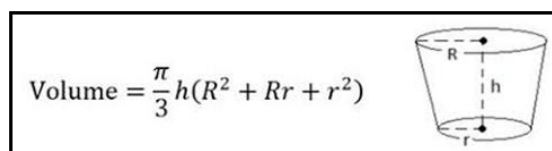
Example

Pot – 8cm high, top diameter of 6.0cm(radius=3) and bottom diameter of 3.0cm (radius=1.5)

$$3.1416 \div 3 \times 8 (1.5^2 + 1.5 \times 3 + 3^2)$$

$$8.37 \times (2.25 + 4.5 + 9)$$

$$8.37 \times 15.75 = 131.85 \text{ cm}^3$$



Converting cubic centimetres to Litres

$$1,000 \text{ cm}^3 = 1 \text{ litre so to convert cm}^3 \text{ into litres}$$

$$\text{divide by 1,000 e.g } 132 \text{ cm}^3 / 1000 = 0.132 \text{ L}$$

7.5 Treatments

7.5.1 Potting Media Liquid Treatment

The volume of solution applied to all potting medium drench treatments shall be at least 20% of the volume of the container and applied when the media is not saturated and has been contained. To identify the volume of mixture required, the Treatment Operator shall identify the total volume of media to be treated and calculate 20% of the total volume. The result of the calculation will be the minimum volume of treatment mixture to be applied. For example, a five litre volume of media will require one litre volume (20% of total quantity of media) of treatment applied as a single drench application.

7.5.2 Potting Media Granular Treatment

SuSCon Green®

The application of SuSCon Green® granules shall be performed in accordance with APVMA permit 14256.

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

Granules shall be incorporated into bulk media. Apply the required quantity of granules in accordance with the rate per cubic metre (m³) specified on APVMA permit 14256.

Bifenthrin

The Treatment Operator shall use the below table to determine the bulk density of the media and the required product application rate in grams per litre (g/L) for each treatment. After media density is determined, multiply the volume of media (in litres) by the product application rate to determine the total quantity of product required to treat the media.

Media	Bulk Density (kg/m ³)	Product Application Rate (g/L)
100 % peat/bark (light)	0.5	1.6
25% sand with 75% peat/bark	0.85	2.7
50% sand with 50% peat/bark	1.2	3.8
75% sand with 25% peat/bark	1.55	5.0
100% sand (heavy)	1.9	6.1

Treatments applied to bulk media shall be incorporated and mixed evenly into the media prior to placing media into containers.

7.5.3 Cover Spray Treatment***Treatments for Plants or parts of Plants***

Treatment of plants and parts of plants shall be carried out following treatment of bulk and potted media.

The treatment operator must ensure that the cover spraying of the products to be certified are treated within 10 days of scheduled dispatch.

The Treatment Operator shall ensure that the cover spray mixture is applied with sufficient volume, and in a manner that provides sufficient penetration and distribution to ensure thorough coverage of the treatment lot. Plants must be thoroughly cover sprayed to the point of run off on both sides of the leaves.

Cover sprays must be reapplied if rain sufficient to cause run-off occurs within two hours of spraying.

Where specified on the manufacturer's label or APVMA permit, the treatment mixture shall include a commercial wetting agent at the maximum rate specified on the product's registered label for the purpose.

7.5.4 Treatment Mixture and Preparation Records

The Treatment Operator must record details of all treatment mixture preparation and treatments using a *Treatment Mixture and Preparation Record* ([refer Attachment 9](#)) or records which capture the same information.

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

The business' treatment records must identify -

- the date of treatment mixture preparation;
- the trade name of the product used;
- the active ingredient of the chemical used;
- the strength of the active ingredient used;
- the formulation of the chemical (either granule, wettable powder or liquid);
- the quantity of product used in the treatment mixture;
- the quantity of wetting agent used in the treatment mixture;
- the total volume of the made-up mixture;
- the media, plants or parts of plants (e.g. foliage, bulbs, corms and rhizomes) treated;
- the number of plants or parts of plant treated; and
- the name and signature of the Treatment Operator.

7.6 Maintenance and Calibration of Equipment

The Treatment Operator shall maintain calibrated scales in a secure environment to ensure protection from dirt, dust and moisture when not in use. Vibrations and air currents can also affect the accuracy of the equipment. Electronic scales can also be affected by other electrical equipment. The Treatment Operator shall ensure that weighing of solid chemical concentrates is conducted on a flat surface in a sheltered area.

The business shall create and maintain a chemical mixture tank calibration certificate for any treatment tank used for application of drench and cover spray treatments ([refer 7.6.3 Spray Tank Volume and Calibration](#)).

7.6.1 Calibration of Weighing Equipment

Scales and other measuring equipment used to determine quantities of solid chemical concentrates shall be checked for accuracy using a control calibration weight.

The Treatment Operator shall carry out calibration tests on the load range of any weighing equipment using the manufacturer's calibration instructions for the equipment being used.

Calibration tests shall be carried out annually. The balance must be verified as accurate to within $\pm 1\%$ of the total load range. A maximum error margin of 10g applies.

7.6.2 Weighing Equipment Calibration Records

The Treatment Operator shall maintain records of calibration of weighing equipment. The record shall include –

- business name and Interstate Produce (IP) Number;
- the identification of the weighing equipment to be calibrated;
- the date of calibration;
- the results achieved during the calibration;
- comments or actions taken to adjust weighing equipment;

- the name and signature of the person conducting the calibration.

The business shall create and maintain a *Weighing Equipment Calibration Record* ([refer Attachment 10](#)).

7.6.3 Spray Tank Volume and Calibration

Permanent volume indicator marks shall be made on the side of the treatment mixture tank, on a sight tube or sight panel on the outside of the tank, or by some other method which clearly and accurately indicates the maximum mixture level and any incremental volumes used.

Volume indicator marks shall include the volume in litres required to fill the tank to that level.

All treatment mixture tanks greater than a 25 litre capacity that are used for applying liquid treatments shall be calibrated. The person conducting the calibration test shall issue a record of calibration of the treatment mixture tank and this record must be available to the auditor at the initial audit and all compliance audits.

An example *Chemical Mixture Tank Calibration Certificate* is shown as [Attachment 5](#).

A tank calibration certificate is not required for small dip tanks or hand held spray equipment such as hand held misters or knapsack sprayers, where the capacity of the treatment mixture is less than 25 litres.

7.6.4 Treatment Mixture Preparation Chart(s)

The business shall maintain a mixture preparation chart or similar record in close proximity to the treatment mixture preparation area for each chemical used by the accredited certifier for treatment under this Operational Procedure. Example preparation charts for granular treatment and liquid treatment are included as [Attachments 6 and 8](#).

The *Granular Treatment Mixture Preparation Chart* shall provide the following details –

- (a) the active ingredient of the concentrate to which the chart applies;
- (b) the product application rate;
- (c) if applicable, the estimate of potting media make-up (sand/peat/bark ratio);
- (d) if applicable, the bulk media density;
- (e) the calculation of target mixture concentration per litre (L), or cubic metre (m³) for any known incremental volumes used;
- (f) the name and signature of the person responsible for the chart's preparation and the date of preparation.

The *Liquid Treatment Mixture Preparation Chart* shall provide the following details:-

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

- (a) identification of the treatment equipment to which the chart applies;
- (b) the trade name of the product to which the chart applies;
- (c) the name and concentration of the active ingredient in the product;
- (d) the quantity of product required per litre of mixture (mL per litre);
- (e) the quantity of wetting agent required per litre of treatment mixture;
- (f) the total volume in litres of the treatment mixture tank when filled to the maximum mixture level mark ([refer 7.6.3 Spray Tank Volume and Calibration](#));
- (g) the quantity in millilitres (mL) of the product and the wetting agent required in the mixture when filled to the **maximum mixture level** mark;
- (h) the quantity in millilitres (mL) of the product and the wetting agent required in the mixture for any known **incremental volumes** used;
- (i) the printed name and signature of the person responsible for the chart's preparation and the date of preparation.

A business that uses a variety of chemical products (e.g. mancozeb and etridiazole) shall prepare a *Treatment Mixture Preparation Chart* for each product used.

7.7 Dispatch

Plants treated in accordance with the *bulbs, corms, rhizomes and other below ground vegetative structures free from leaves, potting medium and soil* requirement may be packed in clean peat moss, including coir and coco peat, for consignment. The material used for packaging these items does not require treatment under this Operational Procedure.

The accredited certifier shall ensure that the receiving states packaging entry requirements are met prior to dispatch.

7.7.1 Package Identification

Prior to the issuance of a Plant Health Assurance Certificate under this Operational Procedure, the Authorised Dispatcher shall ensure that each package is marked in permanent and legible characters of at least 5mm high, with -

- the Interstate Produce number of the accredited certifier that operates the approved facility in which the media and plants were treated;
- the words "MEETS ICA-29"; and
- the date (or date code) on which the plants were treated.

If plants are consigned loose in pots and not in packages, the above information shall be marked on the consignment note or the invoice accompanying the plants and signed and dated by an Authorised Signatory of the accredited certifier.

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

Whole truck or container loads of loose plants do not require individual tags or labels provided the truck or container door is sealed at the time of dispatch from the facility and the seal is intact on arrival in Western Australia. The seal number must be included in the 'Brand Name or Identifying Marks' section of the Assurance Certificate covering the consignment ([refer Attachment 2](#)).

Plants and media that have not been treated in accordance with the requirements of this Operational Procedure shall not be marked as stated above.

7.7.2 Plant Health Assurance Certificates

Prior to dispatch of each consignment treated under this arrangement, the Authorised Dispatcher shall ensure a Plant Health Assurance Certificate is completed and signed by an Authorised Signatory of the accredited certifier.

Assurance Certificates shall be in the form of a *Plant Health Assurance Certificate* [CAF-16].

Plant Health Assurance Certificates shall include:

(a) in the "Type of Produce" section -

- the genus and species name of each plant category;
- the number and description of plants of each plant category in the consignment.

Note: Where there is insufficient room to list each plant category the words "See Attachment" are to be used and an Attachment Sheet securely attached to each copy of the assurance certificate.

The Attachment Sheet must include the words "ATTACHMENT SHEET" the name and address of the consignor, the assurance certificate number, the signature of the Authorised Signatory that signed the certificate and the date.

(b) In the 'Grower and Packer' section –

- The name and address of the property on which the plants were grown

(c) In the "Additional Certification" section the statement –

- **"Meets ICA-29"**

A completed example is shown as [Attachment 2](#).

Individual Plant Health Assurance Certificates shall be issued to cover each consignment (i.e. a discrete quantity of product transported to a single consignee at one time) to avoid splitting of consignments.

Plant Health Assurance Certificates shall be completed, issued and distributed in accordance with the Work Instruction *Guidelines for Completion of Plant Health Assurance Certificates* [ICA-WI-02].

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

7.7.3 Plant Health Assurance Certificate Distribution

The **original** (yellow copy) must accompany the consignment.

The **duplicate** (white copy) must be retained by the Business.

7.7.4 Secure Transport (Tasmania only)

The business must ensure treated nursery stock does not come into contact with untreated plants.

The business shall ensure following treatment plants are held in a designated area and securely packaged to prevent pest infestation during transport. Securely packaging may include new, clean packaging such as shrink wrapping or containment in a sealed truck or container i.e., carton.

7.8 ICA System Records

The Business shall maintain the following records -

- (a) Chemical Mixture Tank Calibration Certificate;
- (b) Treatment Schedule;
- (c) Supplier Declaration for the Supply of Treated Media;
- (d) Granular Mixture Preparation Chart;
- (e) Liquid Treatment Preparation Chart;
- (f) Treatment Mixture and Preparation Record;
- (g) if applicable, Weighing Equipment Calibration Record;
- (h) a copy of each *Plant Health Assurance Certificate* [CAF-16] issued by the Business ([refer 7.7.3](#)).

ICA system records shall be retained for a period of at least 12 months from completion, or until the next compliance audit of the ICA arrangement, whichever is the later.

An accredited Business must hold a minimum of 12 months ICA system records at the time of any compliance audit. If the compliance audit is conducted more than 12 months from the last compliance audit, the business must maintain all records completed since the previous compliance audit.

ICA system records shall be made available on request by an Inspector.

7.9 ICA System Documentation

The Business shall maintain the following documentation -

- (a) a copy of the Accredited Certifier's current Application for Accreditation ([refer Attachment 1](#));

TREATMENT OF NURSERY STOCK AND SOIL-LESS MEDIA

- (b) a current copy of this Operational Procedure;
- (c) a current *Certificate of Accreditation for an Interstate Certification Assurance (ICA) Arrangement*.
- (d) a current copy of the *Work Instruction Guidelines for Completion of Plant Health Assurance Certificates* [WI-02].
- (e) a current copy of applicable APVMA permit(s).

ICA system documentation shall be made available on request by an Inspector.

8. ATTACHMENTS

Attachment 1	<i>Application for Accreditation of an Accredited Certifier for an Interstate Certification Assurance (ICA) Arrangement</i>	CAF-47 (FRONT 2 PAGES ONLY)
Attachment 2	<i>Plant Health Assurance Certificate</i>	CAF-16 (EXAMPLE)
Attachment 3	<i>Supplier Declaration for the Supply of Treated Media</i>	CAF-136 (BLANK)
Attachment 4	<i>Treatment Schedule</i>	CAF-137 (BLANK)
Attachment 5	<i>Chemical Mixture Tank Calibration Certificate</i>	CAF-03 (BLANK)
Attachment 6	<i>Granular Treatment Mixture Preparation Chart</i>	CAF-136 (BLANK)
Attachment 7	<i>Granular Treatment Mixture Preparation Chart</i>	CAF-136 (EXAMPLE)
Attachment 8	<i>Liquid Treatment Mixture Preparation Chart</i>	CAF-136 (BLANK)
Attachment 9	<i>Treatment Mixture and Preparation Record</i>	CAF-134 (BLANK)
Attachment 10	<i>Weighing Equipment Calibration Record</i>	CAF-135 (BLANK)

Application for accreditation of an accredited certifier for an Interstate Certification Assurance (ICA) arrangement

Pursuant to section 420 of the *Biosecurity Act 2014*

OFFICE USE ONLY

DATE RECEIVED:
PWS NUMBER:
DATE APPROVED OR REFUSED:
FURTHER INFORMATION REQUEST DATE:
DATE FURTHER INFORMATION RECEIVED:
PAYMENT PROCESSED DATE:
PAYMENT AMOUNT RECEIVED:
RECEIPT NUMBER:

Important information for applicants

This form is to be used to apply as an accredited certifier for an Interstate Certification Assurance (ICA) arrangement.

Information requested will enable your application to be processed as prescribed by the *Biosecurity Act 2014*. Your application must be assessed and granted by the chief executive before you can proceed with the proposed activity.

Before lodging this application you should be familiar with the requirements of the *Biosecurity Act 2014* available on the Office of the Queensland Parliamentary Counsel website www.legislation.qld.gov.au.

How to complete form for a new application

- Must complete entire form.

How to complete form for an amendment or renewal

- Update any areas that require amendments;
- Must complete part A section 1, part B sections 2-4 and part C.

How to submit this form

- In person to:
Any [Department of Agriculture and Fisheries regional office](#); or
- Via post to:
Department of Agriculture and Fisheries
PO Box 5083
Nambour Qld 4560

Prescribed fee

- For the current fees visit www.daf.qld.gov.au/biosecurity-fees
- Fees are applicable until the end of the financial year.
- The prescribed fee must be paid at the time the application is submitted for it to be processed.

Term of accreditation

The term of this accreditation shall be one (1) year unless sooner cancelled or suspended from the date of your application being approved.

Notification

The applicant will be notified of the outcome within thirty (30) days of receipt of the application. The applicant will be notified by post to the applicant's postal address.

The application is deemed to have been received when the [District Co-ordinator \(Certification and Accreditation Services\)](#) in your district is in receipt of an accurate and complete application and payment of the prescribed fee has been received, processed and cleared.

Contact us

For more information please contact the District Co-ordinator (Certification and Accreditation Services), Plant Biosecurity & Product Integrity, Biosecurity Queensland, Department of Agriculture and Fisheries in your district or the Department of Agriculture and Fisheries Customer Service Centre on 13 25 23.

Type of application (select one only)

☐ New application ☐ Amendment ☐ Renewal

Part A – Accredited certifier application

1. Applicant details

Please supply ACN or ARBN (if applicable)

Please supply Interstate Produce Number (IPN) (if known)

Applicant is: (select one only)

☐ an individual ☐ a partnership ☐ an incorporated company ☐ a co-operative association
☐ other (please specify)

If applicant is an individual, please complete the following Supply full legal name including first name, surname and any other name/s. First name

Last name

Other name/s

If applicant is a partnership, please complete the following Supply the full legal name of each partner in their normal order.

First name

Last name

First name

Last name

First name

Last name

If applicant is an incorporated company, co-operative association or other type of legal entity, please complete the following Supply the full legal name.

Trading name/s of the applicant Supply any business names or brand names used by the applicant on packages of certified items.

2. Address details

Street address

Suburb/Town/Locality

Country

State

Postcode

Postal address (if different to street address)

Suburb/Town/Locality

Country

State

Postcode

3. Contact details

Phone

Fax (if applicable)

Mobile (if applicable)

E-mail address

Preferred method of contact

☐ Any ☐ E-mail ☐ Phone ☐ Mail



**Queensland
Government**

Plant Health Assurance Certificate

Pursuant to Sections 412 and 413 of the Biosecurity Act 2014
(Means a biosecurity certificate issued in accordance with Chapter 15 of the Biosecurity Act 2014.)

Consignment Details (Please print)

Certificate Number **9999999**

Consignor

Name <i>Nursery Pty Ltd</i>
Address <i>123 Brisbane Road</i>
<i>Brisbane Qld 4001</i>

Consignee

Name <i>Nursery Suppliers Pty Ltd</i>
Address <i>123 Victoria Market</i>
<i>Talbot VIC 3371</i>

Reconsigned To (Splitting consignments or reconsigning whole consignments)

Name
Address

Method of Transport (Provide details where known)

<input checked="" type="checkbox"/> Road	Truck/Trailer Registration
<input type="checkbox"/> Rail	Consignment
<input type="checkbox"/> Air	Airline/Flight no.
<input type="checkbox"/> Sea	Vessel Name & Voyage no.

Certification Details (Please print)

Accredited Certifier Carrier of Biosecurity Matter

Name <i>Nursery Pty Ltd</i>
Address <i>123 Brisbane Road</i>
<i>Brisbane Qld 4001</i>

Grower or Packer

Name
Address

IP No. of Acc. Certifier

Q 9999

Brand Name or Identifying Marks (as marked on packages)

Nursery Pty Ltd

Date Code (as marked on packages)

14/12/2022

Facility No.	Procedure Code	Expiry Date
<i>01</i>	<i>ICA-29</i>	<i>01 / 12 / 26</i>

Facility No.	Procedure Code	Expiry Date
		<i>/ /</i>

Number of Packages	Type of Packages (e.g. trays, cartons)	Type of Carrier of Biosecurity Matter	Authorisation for Split Consignment
<i>570</i>	<i>Cartons</i>	<i>Potted Plants</i> <i>(See Attachment)</i>	

Date	Treatment	Chemical (Active Ingredient)	Concentration	Duration and Temperature
<i>/ /</i>	<input type="checkbox"/> Dipping	Dimethoate	400ppm	<input type="checkbox"/> One min. <input type="checkbox"/> 10 sec. then wet for 60 sec.
<i>/ /</i>	<input type="checkbox"/> Flood Spraying	Dimethoate	400ppm	10 seconds then wet for 60 seconds
<i>/ /</i>	<input type="checkbox"/> Fumigation	Methyl Bromide	g/m ³	Two hours @ °C
<i>/ /</i>	<input type="checkbox"/> Grown and packed on a property free from red imported fire ant			
<i>/ /</i>	<input type="checkbox"/> Sourced from a property located more than 5km from a known infestation of red imported fire ant			
<i>/ /</i>	<input type="checkbox"/> Mature green condition at packing			
<i>/ /</i>	<input type="checkbox"/> Bananas in a hard green condition with unbroken skin			
<i>/ /</i>	<input type="checkbox"/> Inspected and found free of melon thrips			
<i>/ /</i>				

Additional Certification

Meets ICA-29

Declaration

I, an Authorised Signatory of the accredited certifier that prepared the Carrier of Biosecurity Matter described above, hereby declare that the Carrier of Biosecurity Matter have been prepared in the accredited certifier's approved facilities in accordance with the accreditation(s) granted to the accredited certifier under the Biosecurity Act 2014 and that the details shown above are true and correct in every particular.

Authorised Signatory's Name (Please print)

Arthur John Signatory

Signature

AJ Signatory

Date

17/05/2026

Yellow copy: Consignment copy (original) White copy: Accredited Certifier's copy (duplicate copy)

CAF-16 (02/19) V4

SUPPLIER DECLARATION FOR THE SUPPLY OF TREATED MEDIA

A 'Supplier Declaration for the Supply of Treated Media' must be provided by the business that supplies treated media to the accredited business that treats potted plants for certification under the Operational Procedure Treatment of Nursery Stock and Soil-less Media.

I _____ (full printed name)

of _____ (trading name of business)

hereby declare to-

_____ (name of business)

at _____ (facility address)

Interstate Produce Number **Q** _____ that any media supplied by me for use in potted plants is produced in accordance with the Operational Procedure *Treatment of Nursery Plants and Soil-less Media* [ICA-29] as a soil-less media that has been treated with (Trade Name of Concentrate) by (☒ one box only):-

- ☐ as a 100% peat/bark mix with bifenthrin 2 g/kg product at a rate of 1.6 g/L or 1.6 kg/m³ of bulk media;
- ☐ as a 25% sand and 75% peat/bark mix with bifenthrin 2 g/kg product at a rate of 2.7 g/L or 2.6 kg/m³ of bulk media;
- ☐ as a 50% sand and 50% peat/bark mix with bifenthrin 2 g/kg product at a rate of 3.8 g/L or 3.8 kg/m³ of bulk media;
- ☐ as a 75% sand and 25% peat/bark mix with bifenthrin 2 g/kg product at a rate of 5.0 g/L or 5.0 kg/m³ of bulk media;
- ☐ as a 100% sand mix with bifenthrin 2 g/kg product at a rate of 6.1 g/L or 6.1 kg/m³ of bulk media;
- ☐ with SuSCon Green® as per APVMA permit 14256 instructions;

on the _____ (insert date) the treatment was incorporated into the media

Signature

/ /
Date

TREATMENT SCHEDULE

Business Name: _____

Interstate Produce (IP) Number: Q _____

Date of Treatment:	Date of Treatment:	Date of Treatment:
Item Treated:	Item Treated:	Item Treated:
Quantity Treated:	Quantity Treated:	Quantity Treated:
Trade Name of Concentrate:	Trade Name of Concentrate:	Trade Name of Concentrate:
Active Concentration:	Active Concentration:	Active Concentration:
Chemical Formulation:	Chemical Formulation:	Chemical Formulation:
Treatment Method:	Treatment Method:	Treatment Method:
Date of Certification:	Date of Certification:	Date of Certification:
Date of Treatment:	Date of Treatment:	PHAC No Issued: _____ PHAC: _____
Item Treated:	Item Treated:	
Quantity Treated:	Quantity Treated:	
Trade Name of Concentrate:	Trade Name of Concentrate:	
Active Concentration:	Active Concentration:	
Chemical Formulation:	Chemical Formulation:	
Treatment Method:	Treatment Method:	
Date of Certification:	Date of Certification:	

CHEMICAL MIXTURE TANK CALIBRATION CERTIFICATE

EQUIPMENT CALIBRATED

Name and Address of
Owner of Equipment:

Type of equipment
(eg boom spray, mister):

Brand:

Model:

Serial No.:

Other Identification:

TESTING DETAILS

Name and Address of the
Business Conducting the
Test:

Date of Testing:

Measure Used:

Date of Latest Calibration
of Flow Meter:

CALIBRATION RESULTS

Maximum Mixture Level Volume (litres)

Incremental Volumes (litres)
(as marked on the spray tank):

DECLARATION

The spray mixture tank on the equipment described above has been calibrated in the normal filling position using a calibrated flow meter. Volume indicator marks have been clearly marked on the tank with the volume in litres required to fill the tank to that level.

Printed Name

Signature

____ / ____ / ____
Date

GRANULAR TREATMENT MIXTURE PREPARATION CHART

CHEMICAL CONCENTRATE = BIFENTHRIN (2g/kg)

Potting Media Mix = _____

Bulk Media Density = _____ kg/m³

Product Application Rate = _____ g/L

CHEMICAL CONCENTRATE = CHLORPYRIFOS (100g/kg)

Product Application Rate = _____ kg/m³

BIFENTHRIN VOLUMES FOR GRANULAR TREATMENT

_____ Media X _____ g Concentrate = _____ g/L Total Concentrate

_____ Media X _____ g Concentrate = _____ g/L Total Concentrate

_____ Media X _____ g Concentrate = _____ g/L Total Concentrate

CHLORPYRIFOS INCREMENTAL VOLUMES

_____ Media X _____ kg Concentrate = _____ kg Total Concentrate

_____ Media X _____ kg Concentrate = _____ kg Total Concentrate

_____ Media X _____ kg Concentrate = _____ kg Total Concentrate

Prepared by: _____ / /
Printed Name Signature Date

GRANULAR TREATMENT MIXTURE PREPARATION CHART

CHEMICAL CONCENTRATE = BIFENTHRIN (2g/kg)

Potting Media Mix = 25% sand with & 75% peat

Bulk Media Density = 0.85 kg/m³

Product Application Rate = 2.7 g/L

CHEMICAL CONCENTRATE = CHLORPYRIFOS (100g/kg)

Product Application Rate = 1 kg/m³

BIFENTHRIN INCREMENTAL VOLUMES (per litre)

 20L Media X 2.7 g Concentrate = 54 g Total Concentrate

 30L Media X 2.7 g Concentrate = 81 g Total Concentrate

 40L Media X 2.7 g Concentrate = 108 g Total Concentrate

CHLORPYRIFOS INCREMENTAL VOLUMES (per cubic metre)

 2m3 Media X 1 kg Concentrate = 2kg Total Concentrate

 3m3 Media X 1 kg Concentrate = 3kg Total Concentrate

 4m3 Media X 1 kg Concentrate = 4kg Total Concentrate

Prepared by:

A Signatory
Printed Name

A Signatory
Signature

28/06/2018
Date

LIQUID TREATMENT MIXTURE PREPARATION CHART

Spray Unit /Tank _____

Product (*Trade Name*) _____

Active Ingredient _____ Conc. _____ /

Product Mixing Ratio _____ /Litre

Full Tank/Spray Unit

Volume of Water = _____ Litres

Quantity of Product = _____ millilitres/grams

Quantity of Wetting Agent = _____ millilitres

Part Fill

_____ mL Wetting Agent and

_____ mL Product / _____ Litres Water

_____ mL Wetting Agent and

_____ mL Product / _____ Litres Water

Prepared by: _____ / /
Printed Name Signature Date

Business Name:..... Interstate Produce (IP) Number: Q.....

Interstate Produce (IP) Number: Q.....

[illegible]

WEIGHING EQUIPMENT CALIBRATION RECORD

Business Name:.....

Interstate Produce (IP) Number: Q.....

Date of Test	Equipment Type	Calibration Results			Adjustment	Name of Testing Officer	Signature	Comments
		Test 1	Test 2	Test 3				
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								
/ /								

NOTES

Scales and other measuring equipment used to calculate quantities of solid chemical concentrations shall be calibrated annually.
The balance must be calibrated using the manufacturer's instructions for the equipment.
The balance must be verified as consistently accurate to within $\pm 1\%$ of the total load range.
A maximum error margin of 10g applies.