



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF MEALYBUGS, INCLUDING
PAPAYA MEALYBUGS IN PAPAYA**

PERMIT NUMBER – PER97127

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows the Permit Holder and any person stipulated below to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 11 SEPTEMBER 2026 TO 30 SEPTEMBER 2028

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LTD
Level 15, 141 Walker Street
NORTH SYDNEY NSW 2060

Persons who can use the product under this permit:

Persons generally

CONDITIONS OF USE

Products to be used:

APPLAUD INSECTICIDE (APVMA No. 51547)

PLUS OTHER REGISTERED PRODUCTS

Containing: 440 g/L BUPROFEZIN as the only active constituents.

RESTRAINTS:

DO NOT apply more than twice per year in any crop.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of runoff for at least 3 days after application.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a vertical sprayer unless the following requirements are met:

- spray is not directed above the target canopy
- the outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site
- for dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

Buffer zones for vertical sprayers

Type of target canopy	Mandatory downwind buffer zones (metres)			
	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
2 metres tall and smaller, maximum dilute water rate of 2000 L/ha	0	0	0	75
taller than 2 metres (not fully-foliated), maximum dilute water rate of 2000 L/ha	15	0	0	95
taller than 2 metres (fully-foliated), maximum dilute water rate of 2000 L/ha	5	0	0	110

Directions for Use:

Crop	Pest	Rate
Papaya (Paw paw)	Mealybugs, including papaya mealybug (<i>Paracoccus marginatus</i>)	60 mL/100 L (26.4 g ai/100 L)

Critical Use Comments:

- Apply when the first batch of crawlers occur after winter. Apply in spring through to autumn.
- Apply via air-blast sprayer.
- Use a spray volume of at least 250 L/ha.
- DO NOT apply more than 2 applications per season.
- DO NOT apply less than 14 days after the initial treatment.
- If it is intended to release *Cryptolaemus* ladybeetles as part of an IPM system, the last application should be made no later than 60 days before the anticipated release date.

Withholding Period:

Harvest: Do not harvest for 3 days after application.

Grazing: Do not graze treated orchards.

Jurisdiction:

All States and Territories, except VIC.

Note: Victoria is not included in this permit, as their Control-of-Use legislation means a permit is not required to legalise this off-label use in that State.

Protection of crops, native and other non-target plants

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby plants/crops, cropping lands or pastures.

Protection of livestock

DO NOT allow stock to graze grasses or weeds under treated trees.

Protection of wildlife, fish, crustaceans and environment

Toxic to aquatic life. To protect aquatic species from runoff, DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of water runoff from the treatment area for at least 3 days after application.

Integrated pest management

Products containing 440 g/L buprofezin at label rates of 60 mL/100 L water has been demonstrated to be safe to a range of predatory and beneficial insects including bumblebees and honeybees, parasitoid wasps such as *Aphytis lignanensis*, *Leptomastix dactylopii* and *Encarsia* spp., predatory mites such as *Phytoseiulus persimilis* and *Typhlodromus occidentalis* and the green lacewing (*Mallada signatus*). Products containing buprofezin has no significant effect on adult ladybeetles but is known to be toxic to early instars of *Cryptolaemus montrouzieri*, *Chilocorus circumdatus* and *Harmonia conformis*. Products containing buprofezin may also affect egg hatch of these species for 2 to 3 weeks after application. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. Persons who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit. Unless otherwise stated, the use of the product must be in accordance with the product label.

The holder of the permit must notify the APVMA of new information, including relevant information in accordance with section 161 of the Schedule to the *Agricultural and Veterinary Chemicals Code Act 1994*, in accordance with the obligation imposed by that section.

To Avoid Crop Damage

The sensitivity of the crop to be treated under this permit has not been fully evaluated. It is advisable to only treat a small area to ascertain the reaction before treating the whole crop. DO NOT use mineral oils.

Export of treated produce

Temporary Maximum Residue Limits (TMRLs) have been established to allow treated produce to be used for human and/or animal consumption. A TMRLs has been established for BUPROFEZIN in PAPAYA [PAWPAW]. TMRLs can be found in the *Agricultural and Veterinary Chemicals (MRL Standard for Residues of Chemical Products) Instrument 2023*. TMRLs apply only to produce marketed and consumed in Australia. If treated produce is to be exported, residues must not exceed the limits/tolerances of the importing country.

Issued by the Australian Pesticides and Veterinary Medicines Authority