



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF CUCUMBER FRUIT FLY IN CUCURBIT VEGETABLES**

PERMIT NUMBER – PER95266

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 23 AUGUST 2024 TO 31 JANUARY 2026

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LIMITED
Level 7, 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:

SUMITOMO SAMURAI SYSTEMIC INSECTICIDE (APVMA NO. 60687)

PLUS OTHER REGISTERED PRODUCTS

Containing: 500g/kg CLOTHIANIDIN as their only active constituent.

RESTRAINT:

DO NOT apply by aircraft.

DO NOT apply in the field unless the crop is post bloom.

DO NOT apply more than 2 foliar sprays per crop.

DO NOT apply more than 1 foliar spray per season if water volumes are greater than 2000 L/ha.

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

DO NOT irrigate to the point of run-off for at least 3 days after application.

DO NOT allow first-flush irrigation tailwater or storm run-off from treated soil to enter natural waterways.

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section 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 advisory buffer zones in the relevant buffer zone table/s 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 surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

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

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers				
Application rate	Boom height above the target canopy	Natural aquatic areas	Pollinator areas	Vegetation areas
Maximum permit rate	0.5 m or lower	5 metres	5 metres	Not required
	1.0 m or lower	30 metres	30 metres	Not required

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 buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

Buffer zones for vertical sprayers			
Type of target canopy	Natural aquatic areas	Pollinator areas	Vegetation areas
All	5 metres	5 metres	Not required

Directions for Use:

Crop	Pest	Rate
Cucurbit vegetables (field and protected)	Cucumber Fruit Fly (<i>Bactrocera cucumis</i>)	225 g/ha

Critical Use Comments:

- Apply as a ground-based foliar spray using calibrated airblast, boom or similar spray equipment. Ensure thorough coverage.
- **DO NOT apply in the field unless the crop is post bloom.**
- Apply when monitoring indicates fruit fly activity.
- Apply a maximum of 2 foliar applications per crop with a minimum retreatment interval of 7 days.
- For effective management of fruit fly this product **MUST** be used as part of a broader strategic spray program involving other products approved for the control of fruit fly in conjunction with appropriate pest monitoring. Efficacy of such spray programs may be dependent upon the significance and level of pest pressure during the season.
- The use of surfactants may reduce the level of control achieved.

Withholding Period:

Harvest: Do not harvest for 7 days after application.

Grazing: Do not graze or cut for stock food.

Protections:

- Dangerous to bees and will kill bees foraging in the crop to be treated, or in hives which are over sprayed or reached by spray-drift. Residues may remain toxic to bees several days after application. Clothianidin may have adverse effects on some non-target beneficials and particularly to foliage dwelling predators where Integrated Pest Management is practiced.
- Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.
- Very toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers. **DO NOT** apply if heavy rains or storms are forecast within 3 days. **DO NOT** irrigate to the point of runoff from the treatment area for at least 3 days after application.
- Highly toxic to bees. Harmful to bee brood. Clothianidin has systemic action. In field and protected cropping situations where pollinators cannot be excluded, **DO NOT** apply to crops pre-bloom or from the onset of flowering until flowering is complete. **DO NOT** allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray or spray drift.

Jurisdiction:

All States and Territories.

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.

Export of treated produce

Temporary Maximum Residue Limits (TMRLs) have been established to allow treated produce to be used for human consumption. A TMRL has been established for CLOTHIANIDIN in FRUITING VEGETABLES, CUCURBITS. MRLs can be found in the *Agricultural and Veterinary Chemicals (MRL Standard for Residues of Chemical Products) Instrument 2023*. MRLs 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