



**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL  
PRODUCT FOR SUPPRESSION OF MANGO SEED WEEVIL IN MANGOES**

**PERMIT NUMBER – PER87799**

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 any person to claim that the product can be used in the manner specified in this permit.

**THIS PERMIT IS IN FORCE FROM 06 JUNE 2019 TO 31 MARCH 2026.**

**Permit Holder:**

HORTICULTURE INNOVATION AUSTRALIA LTD  
Level 7, 141 Walker Street  
NORTH SYDNEY NSW 2060.

**Persons who can use the product under this permit:**

Persons generally.

## CONDITIONS OF USE

### Product to be used:

SUMITOMO SHIELD SYSTEMIC INSECTICIDE (APVMA No. 60689)  
PLUS OTHER REGISTERED PRODUCTS

Containing: 200 g/L CLOTHIANIDIN as their only active constituent.

### Directions for Use:

Crop	Insect Pest	Application Rate
MANGO	Mango seed weevil ( <i>Sternochetus mangiferae</i> )  Suppression only	40-60 mL product / tree  For trees 10 – 20 years old, 3.5 – 5 m tall and 15 – 30 cm trunk diameter at a height of 0.5 m  Use 40 mL /tree rate for smaller tree size and increase with larger trees to a maximum 60 mL/ tree  Irrigate soil after post-application of <i>Shield</i>

### Critical Use Comments:

- Apply immediately after flowering is finished.
- DO NOT apply more than one (1) application per season.
- Apply as a soil drench via micro-irrigation around the base of the tree. Use only correctly calibrated micro irrigation equipment.
- Follow the safety direction on the product label.
- Ensure application is followed with sufficient water to wash *Shield* into the root zone.
- Application should be confined to the area under the dripline of the tree.
- Soil must be reasonably dry at the start of the treatment. Run irrigation for about 30 minutes and ensure water has reached all parts of the block and wetted the soil. Then apply the required amount of *Shield* through the irrigation system. Continue to run the irrigation system to ensure thorough wetting of the soil profile to at least 15cm depth. For dripper systems, this should be at least eight hours of operation. For micro-sprinklers, at least five hours of operation will be required.
- The soil in the irrigation zone should be free of weeds and heavy mulch. Some leaves and trash are acceptable provided sufficient water is applied to wash the clothianidin product down into the root zone.
- Where extended or multiple flowerings occur, and where the previous seasons crop is still on the tree during this flowering, *Shield* must only be applied when the previous crop has been harvested and there is a minimum of 4 months until the next harvest.
- The habit of the mango seed weevil makes complete control difficult to achieve and therefore the treatment is aimed at achieving a level of suppression to reduce the impact of the weevil pest on tree health and yield.
- Treatment with *Shield* should be in conjunction with other treatments according to the requirements of the desired market.

### Bee and Hive Safety

- *Shield* is dangerous to bees and may kill bees foraging in the crop at the time of application. This is why application should take place after flowering is finished. Mortality is most likely if bees drink from the irrigation water or dew on the ground

after irrigation. Orchard floors with flowering weeds must be mown just prior to application. Beekeepers that are known to have hives within 2 km of the orchard should be notified at least 48 hours prior to application so they can be removed or otherwise protected.

**Withholding Period:**

Harvest: DO NOT harvest for 16 WEEKS after application.

Grazing: DO NOT graze treated area or cut treated area for stockfeed.

**Jurisdiction:**

NSW, QLD and NT only.

**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.

*Export of treated produce*

Maximum Residue Limits (MRLs) or Temporary Maximum Residue Limits (TMRLs) have been established to allow treated produce to be used for human and/or animal consumption. An TMRL has been established for CLOTHIANIDIN in MANGO. 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.

*Other Matters*

Continued issuance of this permit is subject to the outcomes of the current APVMA review of neonicotinoids. This permit may be impacted by the outcomes of this review.

Issued by the Australian Pesticides and Veterinary Medicines Authority.

Note: 5/03/2024 –Additional conditions updated to current standards and S161 statement added. Chemical review statement added. Export of treated produce statement added. Permit expiry extended to 31/03/2026. Permit issued as Version 2.