



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

PERMIT TO ALLOW MINOR USE OF AN AGVET CHEMICAL PRODUCT
FOR CONTROL OF ANTHRACNOSE ON MANGO TREES

PERMIT NUMBER - PER14830

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 4 FEBRUARY 2015 to 30 NOVEMBER 2020.

Permit Holder:

AUSTRALIAN MANGO INDUSTRY ASSOCIATION LTD
C/O HORTICULTURE INNOVATION AUSTRALIA LTD
Level 8, 1 Chifley Square,
SYDNEY NSW 2000

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Product to be used:

BRAVO WEATHER STIK FUNGICIDE (P58118)

Containing: 720 g/L CHLOROTHALONIL as the only active constituent.

Directions for Use:

Crop Type	Plant Disease	Application Rate
MANGO TREES	ANTHRACNOSE (<i>Colletotrichum gloeosporioides</i>)	160 - 210 mL product / 100 L

Critical Use Comments:

- Apply as a preventative fungicide treatment as soon as conditions favour disease development.
- Target spray applications during bud burst to late flowering only.
- DO NOT apply to fruit at any stage.
- Apply a maximum of four (4) foliar applications per crop with a 7-14 day interval between consecutive sprays.
- Apply sufficient water to ensure even and thorough coverage of all plant surfaces.
- Use as many control options as possible to minimise disease pressure.
- Follow chlorothalonil treatment with spray applications of an approved fungicide from a different chemical group.
- DO NOT mix spraying oils or wetting agents with *Bravo Weather Stik*.
- Observe the *Re-entry period* and *Safety Directions* on the product label.

Withholding Period:

Not required when used as directed.

Jurisdiction:

NSW, QLD, WA & NT only.

Additional Conditions:

This PERMIT provides for the use of a product in a manner other than specified on the approved label of the product. Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label.

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.

Disease Management:

A regular protective program is necessary to prevent disease establishment. Chlorothalonil has protective fungicidal action and primarily inhibits spore germination. Prolonged wetness of leaves, twigs, petioles and panicles during the flowering period is conducive for Anthracnose infection; especially infection of young leaf tissue and panicles. A number of protective fungicide products are commercially available for control of Anthracnose on mango trees. It is important that protective fungicides are rotated between the different chemical groups to maintain their effectiveness. Most protective fungicides lack any rainfastness and are readily washed off plant surfaces following rainfall, heavy dews or by sprinkler irrigation and this should be taken into account following spray application.

To Avoid Crop Damage:

The sensitivity of different varieties of mangoes to be treated under this permit has not been evaluated under all growing conditions. A small number of trees should therefore be sprayed in the first instance, and plant health closely monitored over the following days/weeks. Discontinue applications when any adverse symptoms post-treatment are observed.

Residues and Export:

To allow produce from treated plants to be supplied or otherwise made available for consumption the APVMA has established a Temporary Maximum Residue Limit (TMRL) for Chlorothalonil in Mango of T1 mg/kg. This limit only applies to produce marketed and consumed within Australia. If chlorothalonil treated produce is to be exported, due account should be taken into tolerance limits of importing countries and any residues must not exceed those tolerance limits.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 25/08/2017 – Version 2 issued to update expiry and permit holder.