



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL PRODUCT
FOR CONTROL OF VARIOUS DISEASES IN
BRASSICA LEAFY VEGETABLES AND VARIOUS OTHER VEGETABLES**

PERMIT NUMBER – PER14958

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 21 DECEMBER 2014 TO 31 OCTOBER 2027

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

Products to be used:

ACROBAT SC FUNGICIDE (APVMA No. 62737)

PLUS OTHER REGISTERED PRODUCTS

Containing: 500 g/L DIMETHOMORPH as the only active constituent.

DITHANE RAINSHIELD NEO TEC FUNGICIDE (APVMA No. 59688)

PLUS OTHER REGISTERED PRODUCTS

Containing: 750 g/kg MANCOZEB as the only active constituent.

PENNCOZEB FUNGICIDE (APVMA No. 53986)

PLUS OTHER REGISTERED PRODUCTS

Containing: 800 g/kg MANCOZEB as the only active constituent.

RESTRAINT:

DO NOT apply to beetroot when grown as a leafy vegetable.

*DO NOT use on Beetroot or Radish crops grown in protected cropping situations (i.e. glasshouses, greenhouses, plastic houses, plastic tunnels or shade houses) for human consumption.

Directions for Use:

Crop	Disease	Rate
Brassica Leafy Vegetables (Refer to Attachment 1)	Downy Mildew (<i>Peronospora parasitica</i>) White Blister (<i>Albugo candida</i>)	<u>500 g/L dimethomorph product</u> 360 mL/ha PLUS <u>750 g/kg mancozeb product</u>
Silverbeet Spinach Leafy Lettuce	Downy Mildew (<i>Peronospora</i> spp.)	1.6 kg/ha OR
Beetroot* Chicory Endive Parsley Radicchio Radish* Rocket	Downy Mildew (<i>Peronospora</i> spp., <i>Pseudoperonospora</i> spp. and <i>Bremia lactucae</i>) Alternaria Leaf Spots (<i>Alternaria</i> spp.)	<u>800 g/kg mancozeb product</u> 1.5 kg/ha

Critical Use Comments:

- Apply as a preventative treatment when conditions (i.e. wet and/or humid weather) favour disease development. DO NOT wait for the disease to appear.
- Thorough coverage of foliage, including under-leaf surfaces, is essential for optimum performance. Apply in sufficient water volume to cover all foliage to the point of run-off. Avoid excessive run-off.
- Apply two (2) sequential dimethomorph/mancozeb cover sprays at 7 – 10 day interval; then alternate to a fungicide from another chemical group with a different *Mode of Action*.

- Use the shorter re-treatment period when conditions favouring infection are creating a high risk.
- DO NOT apply more than 4 dimethomorph/mancozeb foliar applications per crop.
- DO NOT apply less than 7 days after previous treatment.
- Add non-ionic surfactant, as per *Directions for Use* on product label for head lettuce.
- Refer *CropLife Fungicide Resistance Management Strategy* for downy mildew in lettuce.
- Observe all Restraints listed on the product label.
- Observe the *Re-entry period* and *Safety Directions* on the product label.

Withholding Period:

Harvest: Do not harvest for 14 days after application.

Grazing: Do not graze or cut for stock food.

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.

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.

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

Maximum Residue Limits (MRLs) have been established to allow treated produce to be used for human consumption. MRLs can be found in the *Agricultural and Veterinary Chemicals Code (MRL Standard) Instrument 2019*. 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

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.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 8/12/2017. Expiry date extended to 31/12/2022. Restraint on protected grown parsley removed. Permit Holder changed to HIA. Issued as version 2.

11/10/2022 – Permit holder address updated, and additional conditions updated to current standard. Permit expiry extended to 31/10/2027. Permit issued as Version 3.

ATTACHMENT 1

Brassica leafy vegetables

Asian common name	Common names	Scientific names
Bok choy	Chinese white cabbage Chinese chard	<i>B. rapa</i> var <i>chinensis</i> <i>B. chinensis</i> var <i>communis</i>
Pak choy	Chinese white cabbage Chinese chard	<i>B. rapa</i> var <i>chinensis</i> <i>B. sinensis</i>
Choi sum	Chinese flowering cabbage	<i>B. rapa</i> var <i>parachinensis</i> <i>B. campestris</i> var <i>parachinensis</i>
Gai lum Gai lan Kai lan	Chinese broccoli	<i>B. oleracea</i> var <i>alboglabra</i>
Kai choi	Indian mustard cabbage	<i>B. juncea</i>
Wong bok Pet sai Haksukai	Chinese cabbage	<i>B. rapa</i> var <i>pekinensis</i>
Mizuna	Mizuna greens	<i>B. rapa</i> var <i>japonica</i>
Amsoi	Red mustard	<i>B. juncea</i> var <i>rugosa</i>
Taishona	Curled mustard	<i>B. juncea</i> variety unknown
Komatsuma	Mustard spinach	<i>B. pervirdes</i>
Tatsoi	Chinese flat cabbage	<i>B. rapa</i> var <i>rosularis</i>
Gai choy Kai choi Am soi	Chinese mustard Indian mustard	<i>B. juncea</i> var <i>rugosa</i>
Unknown	Turnip greens	<i>B. rapa</i> var <i>rapa</i>
Unknown	Mustard greens	<i>B. juncea</i> unknown variety
Unknown	Rutabaga greens	Unknown
Mibuna	Unknown	<i>B. rapa</i> var <i>nipposinica</i>
Kale	Unknown	<i>B. oleracea convarcephala</i> var <i>acphala</i>