



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF LEAF SPOT AND DOWNY MILDEW IN BRASSICA
LEAFY VEGETABLES**

PERMIT NUMBER – PER10845

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 JUNE 2009 TO 31 MARCH 2030

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:

BARMAC ZINEB FUNGICIDE (APVMA No. 30628)

PLUS OTHER REGISTERED PRODUCTS

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

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. 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 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

Directions for Use:

Crop	Disease	Rate
Brassica Leafy Vegetables Refer to crops in Attachment 1	Cercospora Leaf Spot (<i>Cercospora</i> spp.) Downy Mildew (<i>Peronospora parasitica</i>)	150 or 175 g/100 L plus Surfactant as directed on the product label

Critical Use Comments:

- Apply as a foliar spray using a knapsack or boom spray when disease threatens.
- Apply no more than 3 applications per crop, with at least 7 days between treatments.
- Apply with sufficient water to thoroughly cover the crop.

Withholding Period:

Harvest: Do not harvest for 10 days after application.

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.

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 all crops 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. An MRL has been established for DITHIOCARBAMATES in LEAFY VEGETABLES. 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

Note: 2015 – Permit expiry extended to 31/05/2020. Permit issued as Version 2.

06/02/2018 – Permit updated to amend permit holder details. Permit issued as Version 3.

24/03/2020 – Permit updated to amend permit holder details. Permit expiry extended to 31/05/2025. Permit issued as Version 4.

06/03/2025 – Permit updated to add spray drift restraints and s161 statement. Permit expiry extended to 31/03/2030. Permit issued as Version 5.

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. oleraceae</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>