



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF VARIOUS FUNGAL AND BACTERIAL DISEASES IN
VARIOUS VEGETABLE CROPS**

PERMIT NUMBER – PER14038

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 1 APRIL 2013 TO 30 JUNE 2028

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:

BLUE SHIELD DF COPPER FUNGICIDE (APVMA No. 46869)

PLUS OTHER REGISTERED PRODUCTS

Containing: 500g/kg COPPER (CU) PRESENT AS CUPRIC HYDROXIDE as the only active constituent.

NUFARM CHAMP DRY PRILL WG FUNGICIDE (APVMA No. 53935)

PLUS OTHER REGISTERED PRODUCTS

Containing: 375 g/kg COPPER (CU) PRESENT AS CUPRIC HYDROXIDE as the only active constituent.

UNIGUARD 500 WP FUNGICIDE (APVMA No. 60674)

PLUS OTHER REGISTERED PRODUCTS

Containing: 500 g/kg COPPER PRESENT AS COPPER OXYCHLORIDE as the only active constituent.

AG COPP 750 COPPER FUNGICIDE (APVMA No. 60507)

PLUS OTHER REGISTERED PRODUCTS

Containing: 750 g/kg COPPER PRESENT AS CUPROUS OXIDE as the only active constituent.

NUFARM TRI-BASE BLUE FLOWABLE COPPER FUNGICIDE (APVMA No. 53568)

PLUS OTHER REGISTERED PRODUCTS

Containing: 190 g/L COPPER PRESENT AS TRIBASIC COPPER SULPHATE as the only active constituent.

GROWCHEM BORDEAUX WG BACTERICIDE / FUNGICIDE (APVMA No. 62430)

PLUS OTHER REGISTERED PRODUCTS

Containing: 200 g/kg COPPER PRESENT AS TRIBASIC COPPER SULPHATE as the only active constituent.

RESTRAINTS:

DO NOT apply when either hot or frost prone conditions prevail.

DO NOT apply during the hottest part of the day when temperature exceeds 35°C.

DO NOT apply when slow drying conditions prevail.

DO NOT apply to copper-shy crops or cultivars.

DO NOT apply if it is likely to rain before the spray is dry.

DO NOT apply to wet crops.

DO NOT apply in spray solutions with a pH of less than 6.5.

Directions for Use:

Crop	Disease / pest	Rate	Retreatment Interval
Endive (<i>Cichorium endivia</i>) Chicory (<i>Cichorium intybus</i>)	Anthracnose Downy mildew	<u>375 g/kg Cupric hydroxide</u> 140 g/100L <u>500 g/kg Cupric hydroxide</u> 105 g/100L <u>500 g/kg Copper oxychloride</u> 250 g/100L <u>750 g/kg Cuprous oxide</u> 130 g /100L <u>190 g/L Tribasic copper sulphate</u> 280 mL/100L <u>200 g/kg Tribasic copper sulphate</u> 280 g/100 L	Repeat applications, if necessary, at following re-treatment intervals: - Anthracnose – 7 to 10 days - Downey mildew – 10 to 14 days
Eggplant (<i>Solanum melongena</i>)	Bacterial spot (<i>Xanthomonas campestris</i>) Bacterial speck (<i>Pseudomonas syringae</i>) Bacterial canker (<i>Clavibacter michiganensis</i>)	<u>375 g/kg Cupric hydroxide</u> 105 – 140 g/100L <u>500 g/kg Cupric hydroxide</u> 85 – 105 g/100L <u>500 g/kg Copper oxychloride</u> 220 -250 g/100L	Repeat applications, if necessary, at 7–14 day intervals. When using 500 g/kg Copper oxychloride for bacterial spot, use a re-treatment interval of 7-10 days.

		<u>750 g/kg Cuprous oxide</u> 100 -130 g/100L <u>190 g/L Tribasic copper sulphate</u> 220 – 280 mL/100L <u>200 g/kg Tribasic copper sulphate</u> 220 - 280 g/100 L	
Snow peas (<i>Pisum sativum</i> var. <i>macrocarpon</i>) Sugar snap peas (<i>Pisum sativum</i> var. <i>saccharatum</i>)	Black spot (<i>Ascochyta pisi</i> and <i>Mycosphaerella pinodes</i>) (leaf and pod spot) Bacterial spot Downey mildew (<i>Peronospora viciae</i>)	<u>375 g/kg Cupric hydroxide</u> 140 g/100L <u>500 g/kg Cupric hydroxide</u> 105 g/100L <u>500 g/kg Copper oxychloride</u> 250 g/100L <u>750 g/kg Cuprous oxide</u> 130 g/100L <u>190 g/L Tribasic copper sulphate</u> 280 mL/100L <u>200 g/kg Tribasic copper sulphate</u> 280 g/100 L	Repeat applications, if necessary, at 10–14 day intervals. For bacterial spot use 7-14 day intervals.
Horseradish (<i>Armoracia rusticana</i>)	White blister rust (<i>Albugo candida</i>)	<u>375 g/kg Cupric hydroxide</u> 140 g/100L <u>500 g/kg Cupric hydroxide</u> 105g/100L	Repeat applications, if necessary, at 10–14 day intervals.

		<u>500 g/kg Copper oxychloride</u> 250 g/100L <u>750 g/kg Cuprous oxide</u> 130 g/100L <u>190 g/L Tribasic copper sulphate</u> 280 mL/100 L <u>200 g/kg Tribasic copper sulphate</u> 280 g/100 L	
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Critical use comments:

- Apply at first sign of disease.
- Apply using appropriate equipment as per label instructions.
- DO NOT apply less than the minimum retreatment interval specified for each crop in the directions for use table on the previous page.

Withholding Period:

Harvest: Do not harvest for 1 day 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 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.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 26/04/2018 – Permit amended to update holder details and approved product list. Issued as version 2.

Note: 23/06/2023 – Permit updated to include 200 g/kg GROWCHEM BORDEAUX WG BACTERICIDE / FUNGICIDE replacing 200 g/kg CUPROFIX BORDEAUX MIXTURE FUNGICIDE. Restraints added.

Directions for Use Table and Critical Use Comments amended. Additional conditions updated to current standards. S161 statement added. Permit title amended. Permit expiry extended to 31/07/2028. Permit issued as Version 3.