



**PERMIT TO ALLOW MINOR USE OF AGVET CHEMICAL PRODUCTS**

**FOR CONTROL, SUPPRESSION AND QUARANTINE TREATMENT OF VARIOUS  
FUNGAL DISEASES IN INDUSTRIAL HEMP**

**PERMIT NUMBER – PER85055**

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 10 NOVEMBER 2017 TO 10 NOVEMBER 2022.**

**Permit Holder:**

AUSTRALIAN INDUSTRIAL HEMP ALLIANCE INC.  
C/-AGAWARE CONSULTING PTY LTD  
21 Rosella Avenue  
STRATHFIELDSAYE VIC 3551.

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

Persons generally.

## CONDITIONS OF USE

### **Products to be used:**

#### **Fungicides:**

FILAN FUNGICIDE (APVMA Approval No. 56362)

Plus OTHER REGISTERED PRODUCTS

Containing: 500 g/kg BOSCALID as the only active constituent.

MAXIM XL FUNGICIDE SEED TREATMENT (APVMA Approval No. 53572)

Containing: 25 g/L FLUDIOXONIL and 10 g/L METALAXYL-M as the only active constituents.

APRON XL 350 ES FUNGICIDE SEED TREATMENT (APVMA Approval No. 50195)

Plus OTHER REGISTERED PRODUCTS

Containing: 350 g/L METALAXYL-M as the only active constituent.

BARMAC THIRAM LIQUID FUNGICIDE (APVMA Approval No. 54659)

Plus OTHER REGISTERED PRODUCTS

Containing: 600 g/L THIRAM as the only active constituent.

BARMAC THIRAM DG FUNGICIDE (APVMA Approval No. 41128)

Plus OTHER REGISTERED PRODUCTS

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

ECOCARB FUNGICIDE (APVMA Approval No. 58103)

Plus OTHER REGISTERED PRODUCTS

Containing: 940g/L POTASSIUM BICARBONATE as the only active constituent.

DITHANE RAINSHIELD NEO TEC FUNGICIDE (APVMA Approval No. 59688)

PLUS OTHER REGISTERED PRODUCTS

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

FARMOZ MANCOZEB 800 AGRICULTURAL FUNGICIDE (APVMA Approval No. 39325)

PLUS OTHER REGISTERED PRODUCTS

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

**Directions for Use:**

**RESTRAINTS:**

DO NOT USE TREATED PRODUCT FOR HUMAN CONSUMPTION.

DO NOT GRAZE TREATED CROPS, OR FEED MATERIAL CUT FROM TREATED CROPS TO LIVESTOCK, INCLUDING POULTRY.

**CROP SAFETY:** ALWAYS TRIAL FUNGICIDE PRODUCTS ON A FEW CROP PLANTS INITIALLY AND CLOSELY MONITOR PLANT HEALTH PRIOR TO APPLICATION TO A LARGER PART OR THE WHOLE CROP AREA. DISCONTINUE APPLICATIONS WHEN ANY ADVERSE SYMPTOMS POST-TREATMENT ARE OBSERVED.

<b>Industrial Hemp</b>			
<b>Active Ingredient and Product</b>	<b>Insect Pest / Plant Disease</b>	<b>Rate (product)</b>	<b>Critical Comments</b>
BOSCALID e.g. Filan (500 g/kg)	Botrytis, Powdery mildew	100 – 120 g / 100 L  Use higher rate when conditions favour high disease pressure.	<b>Critical Use Comments:</b> <ul style="list-style-type: none"> <li>▪ Apply in accordance with approved product label directions.</li> <li>▪ Adhere to any Restraints listed under Directions for Use on the product label.</li> <li>▪ Thorough coverage of foliage is essential: apply dilute spray to the point of runoff.</li> <li>▪ Adjust water spray volume to crop density and growth stage.</li> <li>▪ Use suitable and correctly calibrated ground application equipment.</li> <li>▪ Use higher rate when insect infestation is high, or conditions favour high disease pressure.</li> <li>▪ Refer to the product label for <i>Re-entry Period, Safety</i></li> </ul>
FLUDIOXONIL and METALAXYL-M e.g. Maxim XL (25 g/L and 10 g/L)	SEED DRESSING  Soil borne diseases, incl. damping off and root rots caused by <i>Pythium</i> and <i>Fusarium</i> spp.	1 – 2 L / tonne seed  Use higher rate when very wet paddock conditions are expected following seed sowing.	
METALAXYL-M e.g. Apron XL 350ES (350 g/L)		1 - 2 L / tonne seed  Use higher rate when very wet paddock conditions are expected following seed sowing.	
THIRAM e.g. Barmac Thiram (600 g/L)		2 L / tonne seed	

<p>THIRAM e.g. Barmac Thiram DG (800 g/kg)</p>		<p>5 kg / tonne seed Label rate includes treatment of various sized seeds in a prepared slurry.</p>	<p><i>Directions and First-aid Instructions.</i></p> <ul style="list-style-type: none"> <li>▪ Refer to existing disease resistance management strategies and use in accordance with best practice.</li> </ul>
<p>POTASSIUM BICARBONATE e.g. Ecocarb Fungicide (940g/L)</p>	<p>Grey Mould (<i>Botrytis cinerea</i>)</p>	<p><u>Suppression Only</u> 0.4 – 1.2kg product/100L Add suitable spray oil at 200 to 500mL/100L.</p>	<ul style="list-style-type: none"> <li>▪ Apply at first sign of disease or when conditions favour development of disease. Repeat spray application at intervals of 10 to 14 days as new infection occurs.</li> <li>▪ Preventative treatment only and needs to be applied as close to infection events as possible.</li> <li>▪ Complete and thorough coverage of all foliage and other parts of the crop is essential to achieve good control. Apply spray diluent to foliage to the point of run-off.</li> <li>▪ Apply using spray volume between 400 to 1,000 L/ha, depending on crop type, canopy size, and maturity and density of crop.</li> <li>▪ Add suitable horticultural spray oil at 200 to 500 mL/100 L.</li> <li>▪ Use suitable ground application equipment. Ensure equipment is correctly calibrated.</li> <li>▪ Ensure plants are not suffering from any environmental stress (e.g. moisture or heat) when applying product.</li> <li>▪ Adhere to any <i>Restrictions</i> listed under <i>Directions for Use</i> on the product label.</li> <li>▪ Rotate fungicide mode of action groups within and across growing seasons.</li> </ul>

			<ul style="list-style-type: none"> <li>▪ Use in accordance with existing disease resistance management strategies and in accordance with best practice.</li> <li>▪ Refer to the product label for <i>Safety Directions</i> and <i>First-aid Instructions</i>.</li> </ul>
<p>MANCOZEB e.g Dithane Rainshield Neo Tec Fungicide (750g/kg) and Farnoz Mancozeb 800 Agricultural Fungicide (800g/kg).</p>	<p>Botrytis (<i>Botrytis cinerea</i>)</p>	<p>150-200g product / 100L</p>	<ul style="list-style-type: none"> <li>▪ Apply foliar spray when conditions favour disease infection.</li> <li>▪ Apply a maximum of six (6) sprays throughout the year, with a 7 - 14 day interval between consecutive sprays.</li> <li>▪ Apply as a dilute spray application to the point of run-off using suitably calibrated boom spray or knapsack sprayer. Select suitable spray volume to ensure uniform, thorough coverage of the foliage.</li> </ul>

**Jurisdiction:**

ALL STATES EXCEPT VIC.

Note: Victoria is not included in this permit as their *Control-of-Use* legislation means that an APVMA permit is not required to legalise this off-label use in that State.

**Additional Conditions:****Efficacy of Potassium bicarbonate:**

Potassium Bicarbonate products have registered label use for control of Powdery Mildew diseases on grapevines and roses. Potassium bicarbonate has shown broad spectrum activity against a range of fungal pathogens. The chemical acts exclusively through direct contact to spores and fungal hyphae on the plant surface, and the mode of action is rapid against sensitive fungi. The chemical is expected to show a high level of activity against the causal fungi of the plant/crop diseases listed in this permit. However, suppression of the severity of the disease may only be achieved, as the effectiveness of disease control has not been fully ascertained for all crop types listed and/or in all situations where treatment will be undertaken.

**Host (Crop) Safety of Potassium Bicarbonate:**

The use of potassium bicarbonate based products under this permit has NOT been fully evaluated for crop safety on all species or in all situations where treatment may be undertaken. It is therefore recommended to treat a sample area and assess appropriately prior to whole crop treatment to help minimise potential for any phytotoxic damage.

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 the products for the purposes specified in this PERMIT must read, or have read to them, the PERMIT particularly the information included in DETAILS of PERMIT and CONDITIONS of PERMIT.

Issued by the Australian Pesticides and Veterinary Medicines Authority.

Note: 16/05/2018; restraint added. Permit Issued as Version 2.