

Myrtle Rust Fungicide Treatments

MPI Identified fungicides for myrtle rust control

Based on Australian, Hawaiian and Brazilian work, MPI shortlisted the following fungicides as being effective against myrtle rust infections. MPI did note that none of these have label registrations for myrtle rust on the host plant species. However, agricultural compounds & veterinary medicines (ACVM) regulations may allow off-label-use if there is no condition on the products that would restrict its use to the proposed label (eg. if the label specifies that off-label use is prohibited).

ACVM would expect that appropriate agrichemical application risk mitigation measures are in place when using the products off-label (including, but not limited to: personal protection equipment (PPE), adherence to re-entry periods before handling plants without PPE), and the fungicides are used in a controlled way to avoid off-target exposures.

It is recommended that these products are used at rates indicated on individual fungicide product labels for nursery and/or food crops. However, the off-label use (different plant species/use pattern combination) will not have been assessed by ACVM for plant safety and efficacy, hence any off-label use is at the user's risk – Test on a small batch first.

Fungicide (foliar treatments)

The following fungicides are shortlisted and recommended as protectants against myrtle rust. The chemical groups must be rotated to prevent resistance development in myrtle rust against a particular group of fungicides.

Fungicide active ingredient	Fungicide activity	Product available in NZ	Chemical group (Mode of Action)	Minimum re-treatment interval between consecutive applications
Triadimenol	Systemic, curative and protectant	Vandia 250 EC and Agpro Jupiter	3	10-14 days
Triforine	Systemic, slightly curative and protectant	Saprol®	3	7-10 days
Mancozeb	Non-systemic protectant	Several available	M3	7-10 days
Azoxystrobin	Systemic, slightly curative and protectant	Amistar® SC	11	14-21 days
Copper Oxychloride	Non-systemic protectant	Several available	M1	7-14 days
Propiconazole	Systemic, curative and protectant (Note: this has shown some phytotoxicity in Australian work)	Tilt® EC	3	7-10 days
Tebuconazole	Systemic, curative and protectant	Foilicur® WG	3/11	10-14 days
Trifloxystrobin	Systemic, curative and protectant	Flint® ... and others	3/11	10-14 days
Oxycarboxin	Systemic, curative and protectant	No NZ product (Aust product Plantvax750 WP)	7	10-14 days

Copper oxide for ground treatment between crops

Spray ground and dead plant debris/litter with copper oxide (eg. Nordox 75 WG™, AgCopp 75) sprays at label rates for dilution. Among copper products, copper oxide is recommended as it is least soluble, has smallest particle size and more

persistent.