

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

METTLE 40ME FUNGICIDE

ACTIVE CONSTITUENT: 40 g/L tetraconazole

GROUP	3	FUNGICIDE
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For systemic control of powdery mildew on grapevines.

Contents: 1 L/ 5 L/ 10 L
APVMA Approval Number:

Registered with;
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RLP
Approved

DIRECTIONS FOR USE:

CROP	DISEASE	RATE	CRITICAL COMMENTS
Grapevines	Powdery mildew (<i>Uncinula necator</i>)	Dilute spraying 30 mL/100 L Concentrate spraying Refer to the Mixing/Application section	Apply as part of a five spray programme: 1) when shoots are 10-20 cm long 2) pre-flowering 3) at flowering 4) after fruit set 5) before bunch closure Do not allow spray intervals to exceed 21 days. In some seasons, additional non-schedule sprays may be necessary later in the season. Do NOT apply more than 3 sprays of METTLE in any one season (part of the Avcare anti-resistance strategy). Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Do not use n equipment that requires rates greater than 150 mL of chemical/100 L of water. Do not apply in volumes less than 250 L/ha.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Withholding Period:

Grapes (Table, Dried or Wine for domestic consumption):

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Grapes (Table, Dried or Wine intended for export):

CONSULT YOUR WINEMAKER, INDUSTRY SPRAY DIARY OR PEAK INDUSTRY BODY FOR THE RECOMMENDED WITHHOLDING PERIOD.

Grazing:

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED VINEYARDS FOR 28 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS:**FUNGICIDE RESISTANCE WARNING**

GROUP

3

FUNGICIDE

METTLE is a member of the DMI group of fungicides. For fungicide resistance management this product is a Group 3 fungicide. Some naturally occurring individual fungi resistant to this product and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi may not be controlled by this product and other Group 3 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Isagro accepts no liability for any losses that result from failure of this product to control resistant fungi.

MIXING/APPLICATION

Half fill the spray tank vat with clean water. Then add the required amount of METTLE with agitator going and top up the tank to required level with clean water. Agitate thoroughly prior to and during spraying. When mixing products in same tank always add wettable powders first then soluble concentrates then METTLE and other emulsifiable concentrates last, adding extra water after each product.

DILUTE SPRAYING

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the stage of growth of crop being sprayed. Calibrate and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or specialist advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume, sprayer calibration and operation may all need to be changed, as the crop grows.

CONCENTRATE SPRAYING

Use a sprayer designed and calibrated for concentrate spraying (that is a sprayer which applied water volumes less than those required to reach the point of run-off) and matched to the stage of crop being sprayed. Calibrate and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way: **Example only:** Dilute spray volume as determined above: For example 1500 L/ha. Your chosen concentrate spray volume: For example 500 L/ha. The concentration factor in this example is: 3 X (ie $1500 \text{ L} \div 500 \text{ L} = 3$). As the dilute label rate is 30 mL/100 L for grapevines, then the concentrate rate becomes 3×30 , that is 90 mL/100 L of concentrate spray. The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. Do not use a concentrate rate higher than that specified in the Critical Comments because a higher rate has not been tested by Isagro. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

COMPATIBILITY

In the case of tank mixing with other products always undertake a physical compatibility test prior to tank mixing.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA, AND ENVIRONMENT

Highly toxic to algae, aquatic plants and aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

RE-ENTRY PERIOD

Do not allow entry into treated areas until spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing), washable hat and suitable impervious gloves.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well ventilated place. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If not landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

When opening the container and preparing the spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow length PVC gloves. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat. Wash hands after use.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre.
Phone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier.

CONDITIONS OF SALE:

Isagro Spa (Isagro) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence, use under abnormal conditions or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Isagro's skill or judgement in purchasing or using the product and every person dealing with this product does so at their own risk.

APVMA Approval No: 67253/55600

Batch No:

Date of Manufacture:

IN TRANSPORT EMERGENCY

DIAL 000

Police or Fire Brigade