MAPP 13082
A wettable powder containing 20% w/w tebufenpyrad. An acaricide for the control of
two spotted spider mite and damson hop aphid in hops.

Tebufenpyrad is a METI (mitochondrial electron transport inhibitor) acaricide and
insecticide.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the
use of this product at work.

SAFETY PRECAUTIONS

Operator protection
Engineering control of operator exposure must be used where reasonably practicable in addition
to the following personal protective equipment:
WEAR SUITABLE PROTECTIVE GLOVES
when handling the product. However, engineering controls may
replace personal protective equipment if a COSHH assessment shows that
they provide an equal or higher standard of protection.

AVOID ALL CONTACT WITH SKIN.

Environmental protection
Do not contaminate surface waters or
ditches with chemical or used container.
HIGH RISK TO BEES. Do not apply to
crops in flower or to those in which bees are actively foraging, except as directed
in hops. Do not apply when flowering weeds are present.

This product qualifies for inclusion within the
Local Environmental Risk Assessment
for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal
boom sprayer or broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with CRD's published
guidance or the statutory buffer zone must be maintained. The results of the
LERAP must be recorded and kept available for three years.

DO NOT ALLOW DIRECT SPRAY from broadcast
air-assisted sprayers to fall within 1m of the top of the bank of a static or
flowing water body. Aim spray away from water.

DO NOT ALLOW DIRECT SPRAY from broadcast
air-assisted sprayers to fall within 1m of the top of the bank of a static or
flowing water body, unless a Local Environmental Risk Assessment for
Pesticides (LERAP) permits a narrower buffer zone, or within
5m of the top of a ditch which is dry at the time of application. Aim spray away
from water.

Storage and disposal
KEEP IN ORIGINAL CONTAINER, tightly
closed, in a safe place.
DO NOT STORE ABOVE 40ºC.

To avoid risks to human health and the
environment, comply with the instructions for use.

This product is approved under the Control of Pesticides Regulations 1986.

Other specific restrictions:

This label is compliant with the CPA Voluntary
Initiative Guidance

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL ACARICIDE/INSECTICIDE, as
directed below:

CROPS: Apples, Pears, Strawberries, Hops and Ornamental Plant Production
[Rose] (protected).

MAXIMUM INDIVIDUAL DOSE. See 'Other Specific Restrictions' below.

MAXIMUM TOTAL DOSE. Details are given under 'Directions for Use'.

LATEST TIMING. Details are given under 'Other Specific Restrictions'.

The following maximum concentrations must not be exceeded:

Apples & Pears 200 g product/100 litres water
Strawberries 150 g product/100 litres water
Ornamental Plant Production [Rose] (protected) 100 g product/100 litres water
Hops 300 g product/100 litres water

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER
THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW
THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

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Masai®

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

1. Restrictions/Warnings
Failure to comply with label recommendations may result in reduced activity or crop damage.

Small scale testing of any rose variety is recommended at all crop stages before use to establish its tolerance under the conditions of use. Allow sufficient time for symptoms to develop.

Before using Masai on crops to be processed for human consumption, consult your processor.

Considering the diversity of existing legislation it is recommended that in cases where foodstuffs treated with Masai are to be exported, the regulations of the importing country should be consulted.

2. Pest control
Masai controls:

- Fruit tree red spider mite (Panonychus ulmi) in apples and pears.
- Two spotted spider mite (Tetranychus urticae) in strawberries, hops and ornamental plant production [Rose] (protected);
- Damson hop aphid (Phorodon humuli) in hops.

Masai also provides moderate control of apple rust mite (Aculus schlechtendali) when applied against fruit tree red spider mite in apples.

3. Crop-specific information

3.1 Apples and pears

Time and rate of application
For the control of fruit tree red spider mite apply Masai at a rate of 500 g/ha in a spray volume of 250 to 2000 litres of water/ha. Applications must not be made before 90% petal fall. Apply Masai before the pest becomes established. Consult your adviser for current mite treatment thresholds.

Moderate control of apple rust mite can be achieved from applications made against fruit tree red spider mite in apples.

The in-use spray concentration must not exceed 200 g product per 100 litres water. Maximum dose per year: 500 g product/ha. DO NOT APPLY LATER THAN 7 days before harvest.

3.2 Ornamental Plant Production [Rose] (protected)

Time and rate of application
For the control of two spotted spider mite apply Masai at a rate of 50 – 100 g per 100 litres of water. Apply when pests are first seen. The higher rate should be used where the pest is already established, or where pest numbers are known to be increasing rapidly. Apply as a high volume spray, sufficient to give complete coverage of the foliage. Small scale testing of any rose variety is recommended at all crop stages before use to establish its tolerance under the conditions of use. Allow sufficient time for any symptoms to develop.

The in-use spray concentration must not exceed 100 g product/100 litres water. Maximum dose per year: 6000 g product/ha. DO NOT APPLY LATER THAN 21 days before harvest.

3.3 Hops

Time and rate of application
For the control of two spotted spider mite apply Masai at a rate of 50 g per 100 litres of water. Apply as a high volume spray of 500 to 2000 litres water/ha, before the pest becomes established. Applications can be made from before the hops reach the top of the wires. For the control of damson hop aphid apply Masai according to the following recommended programme:

First spray: 150 g/100 litres water: at the start of the fly-in period.
Second spray: 110 g/100 litres water: 21-28 days after 1st spray.
Third spray: 90 g/100 litres water: 21-28 days after 2nd spray, before opening of cones.

Apply as a high volume spray of 500 to 2000 litres water/ha. Application volume depends on age of plant and time of year. For best results sprays must achieve good coverage of the whole bine. Where the first spray is applied in less than 1000 litres water/ha, the dose should be maintained at 1500 g/ha. This programme will also give control of two-spotted spider mite.

The in-use spray concentration must not exceed 300 g/product/100 litres water. Maximum dose per year: 6000 g product/ha. DO NOT APPLY LATER THAN 21 days before harvest.

3.4 Strawberries

Time and rate of application
For the control of two spotted spider mite apply Masai at a rate of 750 g/ha in a spray volume of 500 to 1500 litres water/ha. Apply Masai when first spider mites appear in the crop and before populations become established. Consult your adviser for current mite treatment thresholds.

The in-use spray concentration must not exceed 300 g/product/100 litres water. Maximum dose per year: 6000 g product/ha. DO NOT APPLY LATER THAN 3 days before harvest.

4. Mixing and Spraying

Mixing
One third fill the tank with water. Start agitation. Open the re-sealable pack and remove with dry gloves the required number of water soluble bags. Add the bags to the tank and allow them to disperse. Re-seal the pack, if there are any water soluble bags left in the pack. DO NOT OPEN BAGS. If tank-mixing, add the other product(s) only if Masai has fully dispersed. Fill the tank. Maintain agitation whilst spraying.

Volume of water
See recommendations for specific crops.

For effective control total cover is required.

When spraying large trees or hop bines use high volumes in accordance with Good Agricultural/Horticultural Practice.

Spraying
Due to the size of the water soluble sachet, it is recommended that Masai is not used in knapsack sprayers.

DO NOT REMOVE INNER LINER.
Each 100g pack will treat:

<table>
<thead>
<tr>
<th>Dosage g/ha</th>
<th>Hectares treated by one 100 g pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>0.2</td>
</tr>
<tr>
<td>750</td>
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<tr>
<td>1000</td>
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5. Trademark acknowledgements

Masai is a registered trademark of BASF.