

PREV-AM[®]

READ THE ATTACHED PACKAGED LEAFLET BEFORE USE • KEEP OUT OF REACH OF CHILDREN AND ANIMALS

ACT / WET 36 / 1947 REG. No MW/PCB/2019/R/0565

PESTICIDE

A soluble liquid pesticide for the control of insects, mites, and diseases as indicated in specified crops.



WARNING

HAZARD STATEMENTS:

- May cause an allergic skin reaction
- Causes serious eye irritation
- Harmful if inhaled
- Harmful to aquatic life

PRECAUTIONARY STATEMENTS:

- Do not eat, drink or smoke when using this product
- Wash after use
- Avoid release to the environment
- Wear eye protection

ACTIVE INGREDIENTS

Orange oil

50 g/ℓ

REGISTRATION HOLDER:

Oro Agri SA (Pty) Ltd.

REG. No 20011/027414 / 07

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SEE CONTAINER FOR:

NETMASS/BATCHNO./MANUFACTURINGDATE

 **Rovensa
Next**

WARNINGS

- MAY CAUSE AN ALLERGIC SKIN REACTION.
- CAUSES SERIOUS EYE IRRITATION.
- HARMFUL IF INHALED.
- HARMFUL TO AQUATIC LIFE
- STORE IN A COOL, DRY PLACE AWAY FROM FOOD AND FEEDS
- RE-ENTRY: Do not enter the treated area before the spray deposit has dried unless wearing protective clothing
- Keep out of reach of children, uninformed persons, and animals.

PRECAUTIONS

- DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
- WASH AFTER USE
- AVOID RELEASE TO THE ENVIRONMENT
- WEAR EYE PROTECTION
- IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION.
- IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION
- Wash contaminated clothing daily
- Do not eat, drink, or smoke whilst applying or preparing the spray mix, or before washing your face and hands
- Prevent drift of spray mist onto other crops, grazing, rivers, dams, and areas not under treatment
- Clean applicator after use and dispose of water where it will not contaminate rivers, dams, grazing, and crops
- Prevent contamination of food, feeds, drinking water, and eating utensils.
- Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds
- Triple rinse statement:
 - - Fill empty container with one quarter of clean water
 - - Shake for 30 seconds
 - - Decant into spray tank for 30 seconds
- NEVER USE THE CONTAINER FOR ANY OTHER PURPOSE. Puncture the rinsed container to render it useless and send it to a CropLife SA-approved recycler. PET containers cannot be recycled and must be incinerated after cleaning.

DISCLAIMER: Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label as well as by the method, time and accuracy of the application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration.

Consult the supplier or registration holder in the event of any uncertainty.

CONSULT THE SUPPLIER OR REGISTRATION HOLDER IN THE EVENT OF ANY UNCERTAINTY.

RELEVANT SUBSTANCES

- Alcohols, C10-16, ethoxylated, sulphates, sodium salts > 10 %; Alcohol ethoxylate (non-ionic surfactant) > 5 %; Orange oil > 5 %; Sodium hydroxide > 0.5 %

FIRST AID

- In case of inhalation:
- If breathed in, move person into the fresh air. If not breathing, give artificial respiration. In case of discomfort seek medical attention.
- In case of skin contact
- Remove contaminated clothing; wash affected area with water for 15 minutes. In case of discomfort or irritation seek medical attention.
- In case of eye contact
- Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical advice if symptoms or irritation persist.
- In case of ingestion
- Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if you feel unwell.

MODE OF ACTION

- **PREV-AM**[®] is a contact insecticide/fungicide with no residual activity and as such should be used as a direct contact application at first sight of insects or disease

COMPATABILITY

- Experience has shown that **PREV-AM**[®] is compatible with most crop protection products and foliar fertilizers.
- Do not mix **PREV-AM**[®] with other products unless prior tests (including small-scale phytotoxicity tests) have shown the combination to be physically compatible, effective, and non-injurious to the target crop under local conditions.
- A phytotoxicity test must also be done if visible residues of previously applied crop protection chemicals or foliar fertilizers are present on fruit, as these may be loosened by the **PREV-AM**[®] application and washed down to collect in a droplet, thus increasing the risk of phytotoxic blemishes on the fruit
- If in doubt, consult the technical representative of the distributor.
- Ensure that the spray tank and hoses are properly cleaned inside before applying **PREV-AM**[®], as the product may loosen residues and adsorbed materials of old products which could contaminate the spray mixture.
- In the event of any of these prescriptions not having been followed, the Manufacturer and its Distributors accept no responsibility for any possible damage or harmful consequences that may ensue.
- Although **PREV-AM**[®] has been exempted from maximum residue levels (MRL) and has no pre-harvest withholding period, consult the labels of tank-mix products to ensure adherence to withholding periods between the last application and harvest periods of these products

DIRECTIONS FOR USE

USE ONLY AS DIRECTED

GROUND APPLICATION

ONLY SUITABLE APPLICATION EQUIPMENT MUST BE USED

- **FOR THE APPLICATION OF SPRAYS IN TUNNEL GROWING OR OPEN FIELD CROPS, THE EVEN DISTRIBUTION OF THE DROPLETS IS OF THE UTMOST IMPORTANCE.**
- Care must be taken to ensure that both surfaces of the leaves are thoroughly wet, up to just before the point of run-off. **DO NOT SPRAY UNTIL DRIPPING WET, AS THIS MIGHT CAUSE THE COLLECTION OF TOO MUCH PRODUCT IN PLACES.**
- **PREV-AM**[®] only acts as a contact insecticide/fungicide – it is, therefore, essential that the spray solution make direct contact with the insect (in any stage of its development cycle) or with the disease organism during application.
- Applications by suitable tractor-mounted sprayers must ensure that a thorough wetting of both the top and bottom surfaces of the leaves is achieved.
- The use of conventional tractor boom-sprayers usually does not achieve adequate wetting of the bottoms of the leaves. The use of a mist-blower, tractor sprayer, or any other sprayer with which the spray mist could be blown into the crop or leaves (where an oscillating mechanism will be an added advantage), is recommended.

DOSAGE RATES

ALL CROPS

CUCURBITS

PEST / DISEASE	APPLICATION RATE	REMARKS
Whitefly Bemisia tabaci	0.5 l PREV-AM® per 100 l water 0.5% solution	<ul style="list-style-type: none">• Applications should start within three weeks after emergence of seedlings and continued as a weekly spray programme (7-day intervals) as long as needed.• Thorough wetting of both sides of the leaves must be ensured at all times.
Powdery Mildew Sphaerotheca fuliginea	0.5 l PREV-AM® per 100 l water 0.5% solution	<ul style="list-style-type: none">• DO NOT SPRAY TO THE POINT OF RUN-OFF.• RECOMMENDED SPRAY VOLUME: 500 l/ha

CITRUS

PEST / DISEASE	APPLICATION RATE	REMARKS
<p>Citrus Black Spot</p>	<p>0.1ℓ PREV-AM[®] + 150g mancozeb 800WP + 20-30mℓ azoxystrobin 250SC OR 10mℓ pyraclostrobin 250EC per 100ℓ water</p>	<ul style="list-style-type: none"> A preventative programme for the control of citrus black spot should commence with a mancozeb 800WP application (as registered) at fruit set. Apply the first PREV-AM[®] + mancozeb 800WP + azoxystrobin 250SC or pyraclostrobin 250EC application no later than 24 days after the last mancozeb 800WP application, and follow up with a second PREV-AM[®] + mancozeb 800WP + azoxystrobin 250SC or pyraclostrobin 250EC application 6 weeks later. Complete the program with a mancozeb 800WP application (as registered) no later than 6 weeks after the second PREV-AM[®] + mancozeb 800WP + azoxystrobin 250SC or pyraclostrobin 250EC application. Apply as high volume applications to ensure proper coverage of fruit to be protected, and use the higher rate of azoxystrobin 250SC if conditions are favourable for black spot development or high infection levels were experienced the previous season. NOTE: Consult the mancozeb 800WP, azoxystrobin 250SC or pyraclostrobin 250EC labels for details.
<p>Guignardia citricarpa</p>	<p>0.1ℓ PREV-AM[®] + 150g mancozeb 800WP per 100ℓ water</p>	<ul style="list-style-type: none"> Apply not later than 24 days after the mancozeb 800WP application at petal drop (as registered) and repeat 4-5 times at 24 day intervals. NOTE: Consult the mancozeb 800WP label for details.
	<p>0.1ℓ PREV-AM[®] + 200g mancozeb 800WP + 50g benomyl 500WP per 100ℓ water</p>	<ul style="list-style-type: none"> Only use benomyl 500WP in orchards where benzimidazole resistance is absent. Precede the PREV-AM[®] + mancozeb 800WP + benomyl 500WP application with an application of mancozeb 800WP at 200g / 100 liters of water (as registered) in the last week of October. Apply one PREV-AM[®] + mancozeb 800WP + benomyl 500WP application as a full cover spray between the 1st and 20th of December. If obtaining sufficient fruit cover is a concern, two sprays of PREV-AM[®] (0.1 ℓ) + mancozeb 800WP (200g) + benomyl 500WP (25g / 100ℓ water) can be applied during the last half of November and the first week of January respectively. NOTE: Consult the mancozeb 800WP and benomyl 500WP labels for details.

PEST / DISEASE	APPLICATION RATE	REMARKS
<p>Citrus Thrips Scirtothrips aurantii</p>	<p>0.2 ℓ PREV-AM® per 100 ℓ water 0.2% solution</p>	<ul style="list-style-type: none"> • Apply between 80 - 100 % petal drop as a preventative application. • Repeat the application when thrips are present again, but not later than 6 weeks after the first application. • Ensure good coverage of the leaves (top and bottom) as well as the blossoms and immature fruits. • Since the use of PREV-AM® is not restricted by a pre-harvest interval or minimum residue level, the product can be used as a late corrective application on fruit up to harvest.
<p>Red Scale Aonidiella aurantii</p>	<p>0.2 - 0.4 ℓ PREV-AM® per 100 ℓ water 0.2 - 0.4 % solution</p>	<ul style="list-style-type: none"> • The red scale control program should commence at 80% - 100 % petal drop. • Should a PREV-AM® control program be followed, at least 3 applications at 4 - 6 week intervals should be applied. Instigate a monitoring program to ascertain if further applications are necessary. • Use the lower rate as a maintenance application for red scale situations that are under complete control. • Use the higher rate for situations that are not completely under control. • Regular PREV-AM® applications as recommended for red scale will suppress black spot.
<p>Citrus Red Mite Panonychus citri</p>	<p>0.2 ℓ PREV-AM® per 100 ℓ water 0.2% solution</p>	<ul style="list-style-type: none"> • Apply when the first signs of a red mite infestation is observed. • A repeat application 5 to 7 days after the first is recommended.

PEST / DISEASE	APPLICATION RATE	REMARKS
<p>Mealybug Planococcus ficus</p>	<p>0.5ℓ PREV-AM® per 100ℓ water 0.5% solution</p>	<ul style="list-style-type: none"> • Monitor for mealybug movement and start spray application against mealybug as soon as crawlers are observed on shoots or leaves. Repeat application after 7 days if further crawler movement is observed • Ants must be controlled separately before mealybug control is done. • RECOMMENDED SPRAY VOLUME: 750ℓ/ha to 1000ℓ/ha, depending on vine size.
<p>Powdery Mildew Uncinula necator</p>	<p>0.25 - 0.5ℓ PREV-AM® per 100ℓ water 0.25 - 0.5% solution</p>	<ul style="list-style-type: none"> • A programme for the control of powdery mildew should commence when the longest shoots reach a length of 2-5 cm. Use conventional residual fungicides up to flowering. • The optimal window for use of PREV-AM® will be after flowering up to harvest or during the period when mealybug crawler movement is expected (see mealybug recommendation). • Apply PREV-AM® at 7-10 day intervals as part of a powdery mildew control program, alternating with products with different modes of action. PREV-AM® has a non-specific contact action and is therefore suitable for use in an anti-resistance programme against powdery mildew. • Preferably use a disease forecasting model as well as disease history of the target vineyard as a guideline to assess risk of disease. If this information indicates low disease pressure and low risk, or no symptoms are visible, use the 0.25% dosage rate. When higher disease pressure and higher risk is indicated, or symptoms are already visible, use the 0.5% dosage rate. • Should conditions be favourable for the infection of clusters with green berries, PREV-AM® should be alternated or combined with a suitable systemic fungicide to assist in the protection of the clusters. • RECOMMENDED SPRAY VOLUME: 500ℓ/ha to 1200ℓ/ha, depending on vine size.
<p>Downy Mildew Plasmopara viticola</p>	<p>0.5ℓ PREV-AM® per 100ℓ water 0.5% solution</p>	<ul style="list-style-type: none"> • A programme for the control of downy mildew should commence when the longest shoots reach a length of 10cm. Use conventional residual fungicides for preventative control of downy mildew. • If PREV-AM® is applied at 500ml/100ℓ for mealybug or powdery mildew, this spray will also control downy mildew which may be present at the time. • If infection periods for downy mildew are expected after application of PREV-AM®, it should be combined with a preventative residual fungicide as registered. • Ensure thorough wetting of underside of leaves. • RECOMMENDED SPRAY VOLUME: 750ℓ/ha to 1000ℓ/ha, depending on vine size.

LETTUCE

WESTERN AND SOUTH CAPE REGIONS ONLY

PEST / DISEASE	APPLICATION RATE	REMARKS
<p>Downy Mildew Plasmopara viticola</p>	<p>0.5 l PREV-AM® per 100 l water 0.5% solution</p>	<ul style="list-style-type: none"> • Start applying at first signs of disease • A spray programme with 3 - 7 day intervals is recommended. • Thorough wetting of both sides of the leaves must be ensured at all times. • DO NOT SPRAY TO THE POINT OF RUN-OFF. • In event of extreme diseases infections levels, the addition of a suitable residual fungicide (as registered) will be required. • RECOMMENDED SPRAY VOLUME: Not less than 500 l/ha

ORNAMENTALS AND ROSES

PEST / DISEASE	APPLICATION RATE	REMARKS
<p>Thrips spp. Thripidae spp.</p>		
<p>Aphids Macrosiphum rosae</p>		
<p>Red Spider Mite Tetranychus urticae</p>	<p>0.5 l PREV-AM® per 100 l water</p>	<ul style="list-style-type: none"> • A spray programme with 3 - 7 day intervals is recommended. • Thorough wetting of both sides of the leaves must be ensured at all times. • Do a small scale phytotoxicity test on varieties known to be sensitive or prone to phytotoxicity or on newly developed varieties.
<p>Whitefly Bemisia tabaci</p>	<p>0.5% solution</p>	<ul style="list-style-type: none"> • DO NOT SPRAY TO THE POINT OF RUN-OFF.
<p>Leaf Hoppers Jassid spp.</p>		<ul style="list-style-type: none"> • RECOMMENDED SPRAY VOLUME: Not less than 250 l/ha
<p>Powdery Mildew Sphaerotheca fuliginea</p>		

TOMATOES

PEST / DISEASE	APPLICATION RATE	REMARKS
Whitefly Bemisia tabaci	0.5ℓ PREV-AM® per 100ℓ water 0.5% solution	<ul style="list-style-type: none"> • Application should start within three weeks after transplanting and continued as a weekly spray programme (7-day intervals) as long as needed. • Ensure thorough wetting of both sides of the leaves at all times. • DO NOT SPRAY TO THE POINT OF RUN-OFF. • This treatment for White fly will enhance the control of early and/or late blight, when combined in a tank mixture with a registered fungicide for blight control. • The treatment for whitefly will also control aphids and red spider mites present during an application. • RECOMMENDED SPRAY VOLUME: 500 ℓ/ha, from flowering onwards.

RATES FOR BACKPACK SPRAYERS

PREV-AM	BACKPACK VOLUME		
Dose per 100 liters water	10 liter	16 liter	20 liter
100 ml	10 ml	16 ml	20 ml
200 ml	20 ml	32 ml	40 ml
250 ml	25 ml	40 ml	50 ml
500 ml	50 ml	80 ml	100 ml