

Octave[®]

Registration No. / Registrasie Nr.: L3406 (Act No. 36 of 1947 / Wet Nr. 36 van 1947)

A fungicide formulated as a wettable powder for the control of certain diseases as indicated on apricots, plums, peaches, mangoes, mushrooms, seed potatoes and roses and for use in *Eucalyptus* nurseries.

'n Swamdoder geformuleer as 'n benatbare poeier vir die beheer van sekere siektes soos aangedui op appelkose, perskes, pruime, mango's, rose, sampioene en saadaartappels asook die gebruik in *Eucalyptus* kwekerye.

FUNGICIDE GROUP CODE

3

SWAMDODER GROEPKODE

Active ingredient:

Prochloraz manganese chloride complex
(imidazole) 500 g/kg

Aktiewe bestanddeel:

Prochloras mangaanchloried kompleks
(imidasool)

NET CONTENTS:
NETTO INHOUD:

25 kg

**REGISTERED BY /
GEREGISTREER DEUR:**

FMC Chemicals (Pty) Ltd
Co. Reg. No.: 1988/001451/07
P O Box / Posbus 44
Postnet Menlyn
Waterkloof Glen
0181

**For any emergency or poisoning
contact:
Griffon Poison Information Centre
(24 hrs)
+27-(0)-82-446-8946**

UN No. / VN Nr. 3077

BATCH NUMBER
DATE MANUFACTURED

LOTNOMMER
DATUM VERVAARDIG



CAUTION
VERSIGTIG



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WARNINGS:

IF THE CROP TO BE TREATED IS INTENDED FOR EXPORT, CONSULT THE RELEVANT EXPORTING ORGANISATION REGARDING WITHHOLDING PERIODS. WHEN THIS PRODUCT IS USED ACCORDING TO THE RECOMMENDATIONS SET HEREIN, THE LOCAL MRL'S WILL NOT BE EXCEEDED. FMC CANNOT, HOWEVER, BE HELD LIABLE FOR EXPORT CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

IN THE CASE OF CROPS GROWN FOR LOCAL CONSUMPTION ALLOW THE FOLLOWING PERIOD BETWEEN LAST APPLICATION AND HARVESTING:

MUSHROOMS 14 DAYS
APRICOTS, PEACHES, PLUMS, MANGOES: DO NOT APPLY AFTER 100% PETAL DROP

DO NOT USE TREATED POTATO SEED TUBERS FOR HUMAN OR ANIMAL CONSUMPTION

Poisonous when swallowed, inhaled or by contact.

May irritate eyes.

Prolonged contact with skin will cause skin irritation.

Toxic to fish and wildlife.

Store away from oxidizing materials, heat and sources of ignition, food and feed.

Keep out of reach of children, uninformed persons and animals.

Although **Octave®** is regarded as crop-safe on most important cultivars, this does not mean that a more sensitive cultivar might not be commercialized in the future. Where a new cultivar is encountered, large areas or large volumes of potato seed should not be treated without prior testing of **Octave®** on that cultivar.

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 SOIL, GROWTH MEDIUM, CLIMATIC AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER; COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE DISEASES TO THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF 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 IN THE EVENT OF ANY UNCERTAINTY.

PRECAUTIONS

Do not inhale dust or spray mist.

Wear protective clothing (face shield, rubber gloves and boots) when handling or applying the product.

Wash contaminated clothing daily.

Wash with soap and water immediately after use and/or accidental skin contact.

Do not eat, drink or smoke whilst mixing or applying or before washing hands and face.

Prevent contamination of food, eating utensils, feed and drinking water.

Prevent spray drift onto other crops, grazing, rivers, dams or other areas not under treatment.

Clean all equipment thoroughly after use and do not pollute the environment with wash water.

In the case of low volume application, the system must be rinsed out with an adequate amount of clean water after seed treatment is stopped, to prevent blockages when the spray mixture dries out.

Shake all the pesticide formulation out of the bag or box into the spray or mixing tank. Turn the bag or box inside out.

Hold the bag or box over the spray or mixing tank and rinse the bag or box with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag or box into pieces and dispose of via normal refuse disposal. Do not bury, burn or donate the bag or box to any other parties that may use it as container for food stuffs.

Handle treated seed carefully and clearly mark the bags which contain treated seed "POISONOUS". Do not re-use bags for any other purpose.

RESISTANCE WARNING:

For resistance management, **Octave®** is a Group Code 3 fungicide. Any fungus population may contain individuals naturally resistant to **Octave®** and other Group Code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **Octave®** or any other Group Code 3 fungicides.

Since the presence of resistant fungi is difficult to detect prior to fungicide application, it is of the utmost importance that treated areas be inspected at regular intervals to identify the occurrence of fungicide-resistant fungi timeously. FMC Chemicals (Pty) Ltd will not accept liability for performance failures in the event of a build-up of resistant fungi resulting from inadequate resistance management practices as indicated on the label.

To delay fungicide resistance:

- Avoid exclusive, repeated use of fungicides from the same fungicide Group Code. Alternate or tank mix with products from different fungicide Group Codes.
- Integrate other control methods [chemical, cultural, biological] into disease control programs.

For specific information on resistance management contact your local distributor representative.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

COMPATIBILITY:

Octave® is compatible with other fungicides and insecticides commonly used in roses, except those products containing sulphur or copper. It can also be mixed with **Wuxal 3:2:1** (Reg. No. K4039) foliar fertilizer, which will simultaneously buffer the spray solution at pH 6,5 if used as recommended.

MIXING INSTRUCTIONS:

Half fill the spray tank with clean water. Pre-mix the required quantity of **Octave®** in a small volume of water to form a smooth cream. Agitate the water in the spray tank whilst adding the pre-mixed product. Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture. Maintain agitation while spraying. Prepared spray mixture must not be left in the spray tank for any length of time e.g., overnight. Ensure that agitation takes place for a few minutes prior to commencement of spraying after normal operational stops, e.g., lunch breaks.

APPLICATION TABLE:

CROP AND DISEASES	DOSAGE	REMARKS
APRICOTS, PLUMS AND PEACHES Blossom blight	25 g/100 l water	Apply as a high volume application at 1 200 - 2 000 l spray mixture / ha. Commence application when 5% of blossoms are in the balloon stage. Repeat every 6 - 7 days until 100% petal drop.

<p>CULTIVATED MUSHROOMS (<i>Agaricus bisporus</i>)</p> <p>Dry bubble (<i>Verticillium fungicola</i>)</p> <p>Wet bubble (<i>Mycogone perniciosa</i>)</p>	<p><u>First application:</u> 3 g/m² in 1 ℓ water.</p> <p><u>Second application:</u> 1,2 g/m² in 1 ℓ water</p>	<p>Water on 7 - 9 days after casing.</p> <p>Water on after the second flush of mushrooms i.e., after the first break.</p>
<p>MANGOES</p> <p>Powdery mildew (<i>Oidium mangiferae</i>)</p> <p>Blossom spot (<i>Alternaria alternata</i>, <i>Colletotrichum gloeosporioides</i>)</p>	<p>25 g/100 ℓ water</p>	<p>Apply as high volume application commencing at 20 - 50% flowering and repeat at 14-day intervals up to 100% petal drop. Use in alternation with chemicals with different modes of action. The above application will suppress blossom blight (<i>Dothiorella dominicana</i>) up to 74%.</p>
<p>POTATOES – SEED TUBERS ONLY</p> <p>Black dot (anthracnose) (<i>Colletotrichum coccodes</i>)</p> <p>Silver scurf (<i>Helminthosporium solani</i>)</p>	<p>300 g/1 000 kg seed</p>	<p>Apply as a Low Volume (LV) application in 2 – 3 ℓ water / 1 000 kg seed. Ensure even coverage of the total seed area. The “Spray mister” applicator is recommended as it has been designed specifically for treatment of seed potatoes.</p> <p>Apply the lower volume to tubers harvested from sandy soils and the higher volume to tubers harvested from clay soils. Potatoes which will be used as seed must be treated directly after harvest, followed up with a second application approximately 14 days before planting. Refer to “Important Notes” 1 to 5.</p>
<p>ROSES</p> <p>Black spot (<i>Diplocarpon rosae</i>)</p>	<p>100 – 150 g/100 ℓ water</p>	<p>Apply at 7 - 10 day intervals as a preventive treatment, using the lower rate. Use the higher rate when disease pressure is high. As a corrective spray, apply the higher rate twice at 5 day intervals and thereafter at 7 day intervals until symptoms disappear. If required a wetter may be added to the spray mixture.</p>
<p>ROSES</p> <p>Powdery mildew (<i>Sphaerotheca pannosa</i>)</p>	<p>100 – 150 g/100 ℓ water</p>	<p><u>Preventive treatment only:</u> Apply as a full cover spray at 7 day intervals, using the higher rate when disease incidence is high (cloudy weather, high humidity).</p>

<p>EUCALYPTUS SEEDLINGS AND CUTTINGS</p> <p>To promote survival, rooting and vigour</p>	<p>100 g plus 480 ml Previcur N (Reg. No. L3394) per 100 l water</p>	<p>Apply 3 l of the mixture per m² as a drench to seedling trays immediately after planting. Application may be repeated if necessary.</p>
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IMPORTANT NOTES:

1. To achieve adequate and even coverage of the potato tubers with **Octave®**, it is critical that the correct equipment which is correctly calibrated must be used. Refer to the publication “Guidelines for low- volume treatment of seed potatoes” (ARC – Institute for Agricultural Engineering, Pretoria (Tel 012 804-1559).
2. Apply **Octave®** only once to the same batch of seed potato tubers. It is recommended that **Octave®** be alternated with other remedies which are registered for the control of black dot (anthracnose) and/or silver scurf, e.g., **Celest 100 FS** (Reg. No. L6173) and **Rhapsodie** (Reg. No. L6172).
3. **Octave®** will only be effective if treated tubers are planted in soil not infested with the black dot (anthracnose) fungus.
4. Tuber treatment with **Octave®** will not protect the progeny tubers against the disease for an indefinite period. Progeny tubers must therefore be lifted when ready and must be treated again, should they be destined for seed.
5. Tubers must be relatively clean when treated with **Octave®**. Soil and other particles attached to the tubers may result in inadequate coverage.

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Celest® is a trademark of Syngenta South Africa (Pty) Ltd.

Previcur®, Rhapsodie® and **Wuxal®** are registered trademarks of Bayer CropScience AG, Germany

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