

[Sales Panel]

For further information see attached pamphlet
Vir verdere inligting sien aangehegte pamflet

MARVEL™ 800 WDG

Reg. No. / Nr. L11040, Act No. / Wet Nr. 36 of/ van 1947

READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

A water dispersible granular fungicide for the control of diseases on the crops as listed.

'n Waterdispergeerbare korrel kontak swamdoder vir die beheer van siektes op gewasse soos aangedui.

GROUP/GROEP	M4	FUNGICIDE / SWAMDODERGROEPKODE
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Active ingredient:

Aktiewe bestanddeel:

Captan (phthalimide).....800 g/kg..... Kaptan (ptalimied)

Contents

kg

Inhoud



DANGER

GHS Hazard Statements

May be harmful if swallowed
May be harmful in contact with skin
Toxic if inhaled
Causes mild skin irritation
Causes serious eye damage
May cause an allergic skin reaction
May cause cancer.
May cause damage to organs.
Very toxic to aquatic life
Toxic to aquatic life with long lasting effects

GHS Precautionary Statements

Do not breathe dust/fume/gas/mist/ vapours/spray.
Store locked up.



REGISTRATION HOLDER / REGISTRASIEHOUER:

AECI® Limited / AECI® Beperk

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

www.aeciph.com/www.aeciworld.com

MARVEL™ is a pending trademark of AECI® Limited

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL 0861 555777 / 082 446 8946

Batch No:

Date of manufacture:

Lotnommer:

Datum van vervaardiging:

UN No. / VN Nr. 2811. TOXIC SOLID, ORGANIC, N.O.S (Captan)

Pamphlet

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Allow the following number of days before harvesting the crop or use as food or feed:

Apples and Pears..... 14 DAYS
Peaches..... 14 DAYS
Potatoes 14 DAYS
Table grapes..... 4 – 6 WEEKS
Tomatoes 7 DAYS

IMPORTANT: The recommended withholding period between the last application and harvesting meets local residue requirements, but may not meet export requirements.

Keep away in a cool, dry, well-ventilated place.

Keep away from food, feeds, seed and fertilizers.

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

Re-entry: Do not enter treated area until spray deposit has dried, unless wearing protective clothing.

In case of poisoning - CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

ALTHOUGH THIS REMEDY HAS BEEN EXTENSIVELY TESTED UNDER A WIDE 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 A VARIETY OF FACTORS. THESE INCLUDE: ABNORMAL SOIL, CLIMATIC AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER; COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL; RESISTANCE OF THE DISEASES TO THE REMEDY CONCERNED; METHOD, TIME AND ACCURACY OF APPLICATION. FURTHERMORE, THE REGISTRATION HOLDER DOES NOT ACCEPT RESPONSIBILITY FOR THE FOLLOWING: DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT; HARM TO MAN OR ANIMAL; THE 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:

GHS Precautionary Statements

Obtain, read and follow all safety instructions before use.

Do not breathe dust/fume/gas/mist/ vapours/spray.

Avoid breathing dust/fume/gas/mist/ vapours/spray.

Wash hands thoroughly after handling. Do not touch eyes.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

IF SWALLOWED: Obtain medical assistance.

IF ON SKIN: Obtain medical assistance

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned, Obtain medical assistance

If skin irritation occurs: Obtain medical assistance

If eye irritation persists: Obtain medical assistance

Take off contaminated clothing and wash it before reuse

Collect spillage.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Wash with soap and water after handling and accidental skin contact.

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

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

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

Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers, boreholes, rivers or dams.

Shake all the pesticide formulation of the container into the spray or mixing tank or if it is directly dispensed onto treatment areas, over the area. Turn the bag or box inside out. Hold the bag over the spray or mixing tank or treatment area and rinse 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 burn, bury or donate the bag or box to any other parties that may use it as a container for food.

RELEVANT SUBSTANCES:

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight
	EC-No.	
Captan	133-06-2	80%
	205-087-0	
Others to 100%		

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **MARVEL 800 WDG** are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

FIRST AID:

In case of inhalation: If inhaled, immediately transfer patient to nearest hospital or medical centre, warning by telephone of the estimated arrival time so that the start of treatment is not delayed. Get medical attention immediately.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persists.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

NOTE TO PHYSICIAN: Treat symptomatically.

RESISTANCE WARNING:

MARVEL 800 WDG is a Group Code M4 fungicide. Any fungi population may contain individuals naturally resistant to **MARVEL 800 WDG** and other Group M4 fungicides. The resistant individual can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **MARVEL 800 WDG** or any other Group code M4 fungicide.

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.
- For tank mixing or alternation with products in different fungicide groups, refer to applicable individual product labels.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **MARVEL 800 WDG** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to prompt use of a fungicide with a different mode of action for which there is no record of resistance to the relevant disease.

For specific information on resistance management contact the registration holder of this product.

MODE OF ACTION:

Captan (phthalimide) is a non-specific thiol reactant, that inhibit respiration.

USE RESTRICTIONS:

- **MARVEL 800 WDG** must not be applied to any crop suffering from stress as a result of drought, water logging, low temperatures, insect attack, nutrient or lime deficiency or other factors reducing crop growth.
- Spray programmes with **MARVEL 800 WDG** should commence before diseases become established.
- In table grapes, do not apply after berries have reached pea size as this may cause tarnishing.
- Do not apply **MARVEL 800 WDG** to any crop or situation not mentioned in this instruction leaflet. Only apply **MARVEL 800 WDG** using an accurate and safe application technique.
- When **MARVEL 800 WDG** is used in a tank mixture with other recommended agricultural remedies, adhere to all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on the relevant labels.
- Do not apply this product in combination or tank mixtures with other agricultural remedies which are not specifically listed on this label. Kindly consult your local AECI Plant Health Crop Adviser.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

COMPATIBILITY:

The compatibility of **MARVEL 800 WDG** with other products depends on the formulations of the respective products, as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. **MARVEL 800 WDG** is compatible with most non-alkaline agricultural remedies normally used.

MIXING INSTRUCTIONS:

Mix the required quantity of **MARVEL 800 WDG** with a small volume of water into a slurry. Half-fill the spray tank with suitable water, then add the premix to the water in the tank while agitating. Fill the spray tank to the desired volume. Should tank mixtures with other products be made, follow the respective manufacturers' label recommendations. Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank. Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

APPLICATION METHODS:

General

Ensure that the equipment is correctly calibrated and is checked regularly to ensure even and accurate application. **MARVEL 800 WDG** can be applied with conventional high volume spray equipment. Constant agitation throughout the spray operation is essential. Only clean water should be used. If rain occurs within two hours after treatment, the product performance may be affected and the application must be repeated.

APPLICATION TABLE:

CROP AND DISEASE	APPLICATION RATE	REMARKS
APPLES & PEARS Scab	125 g/100 ℓ water	<u>Pre-blossom</u> : Commence spraying at green tip stage and repeat at 7 days intervals. <u>Post-blossom</u> : Continue with 3 - 4 sprays ever 10 - 14 days depending on weather conditions. Leaf spotting may result on certain sensitive apple cultivars.
PEACHES Freckle	125 g/100 ℓ water	Apply at full blossom, 2 weeks later and 3 weeks after second spray.

POTATOES Late bight (<i>Phytophthora infestans</i>)	1,25 – 2,0 kg/ha	Commence spraying before disease is due to appear. Use the higher dosage rate for big plants and/or when infection is severe. Use at the higher rate and at shorter intervals when infection pressure increases. Apply during periods of active growth of the plants as a high volume, full cover spray. Depending on the plant size, apply 300 – 500 ℓ water per ha. Apply in a programme and use sufficient spray mixture to obtain adequate coverage.
ROSES Black spot	125 g/100 ℓ water	Start spraying at first signs of infection and repeat every 7 - 10 days.
TABLE GRAPES Anthracnose	125 g/100 ℓ water	Apply to young re-growth and bunches. Repeat at 10 - 14 day intervals up to pea-berry stage. Do not use on wine grapes.
TOMATOES Late bight (<i>Phytophthora infestans</i>)	125 g/100 ℓ water	Seedbeds: Spray twice per week. Lands: Commence spraying before disease is expected to appear. Apply in sufficient water volume to ensure adequate coverage.
TURF Fairy ring, dollar spot and other leaf crown and root diseases	200 g/100 ℓ water /50 m ²	Spray at first signs of infection.