

VENTUM 800 WP

Reg. No./Nr L8691, Act No./Wet Nr. 36 of/van 1947
 Botswana Reg. No./Nr W1301148, Act No./Wet Nr. 18 of/van 1999
 Malawi Reg. No. MW/PCB/2020/R/0667
 Namibian Reg. No/ Namibiese Reg. Nr. N-AR 1369

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

A wettable powder fungicide and acaricide for the prevention and control of various fungus diseases as listed.

'n Benatbare poeier swam- en mytdoder vir die voorkoming en beheer van verskeie swamsiektes soos aangedui.

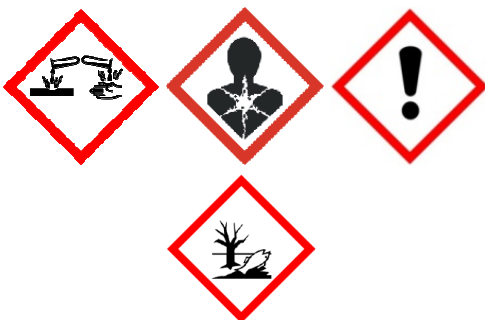
GROUP/GROEP	M3	FUNGICIDE / SWAMDODER
-------------	----	-----------------------

Active ingredient:

Mancozeb (Dithiocarbamate)..... 800 g/kgMankoseb (Ditiokarbamaat)

Aktiewe bestanddeel:
Net Contents

kg

Netto Inhoud


DANGER

GHS Hazard Statements

Causes skin irritation.
 May cause an allergic skin reaction.
 Causes serious eye damage.
 Suspected of causing cancer.
 Suspected of damaging fertility or the unborn child.
 May cause damage to thyroid and nervous system through prolonged or repeated exposure.
 Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements

If medical advice is needed, have product container or label at hand.
 Obtain, read and follow all safety instructions before use.
 Avoid breathing dust.


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

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL ;
 0861 555777 / 082 446 8946 / Spill Tech 0861000366 (a/h)

Batch No:
Lotnommer:
DATE OF MANUFACTURE:
VERVAARDIGINGSDATUM:

UN No. / VN Nr. 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Mancozeb)

VENTUM 800 WP

Reg. No. L8691, Act No. 36 of 1947
Botswana Reg. No. W1301148, Act No. 18 of 1999
Malawi Reg. No. MW/PCB/2020/R/0667
Namibian Reg. No. N-AR 1369

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

A wettable powder fungicide and acaricide for the prevention and control of various fungus diseases as listed.

GROUP	M3	FUNGICIDE
-------	----	-----------

Active ingredient:

Mancozeb (Dithiocarbamate)..... 800 g/kg



DANGER

REGISTRATION HOLDER / REGISTRASIEHOUER

AECT[®] Limited

Reg. No. 1924/002590/06

P.O. Box 14418

Witfield, 1467

Tel : (011) 823 8000

WARNINGS:

ALLOW THE FOLLOWING WITHHOLDING PERIODS WHEN VENTUM 800 WP IS USED ON HARVEST AND FODDER CROPS:

MINIMUM NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVESTING FOR LOCAL RESIDUE LEVEL REQUIREMENTS. THESE MAY NOT MEET EXPORT REQUIREMENTS.

BEANS, CUCURBITS, PEAS, POTATOES, TOMATOES	3 DAYS
GROUNDNUT FOLIAGE TO BE USED AS FODDER	21 DAYS
MANGOES	60 DAYS
TABLE GRAPES	4 – 6 WEEKS
ALL OTHER EDIBLE CROPS	14 DAYS

GHS Hazard Statements

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to thyroid and nervous system through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

Store in a cool dry place away from food and feeds.

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

Keep container well closed when not in use.

Do not allow product to become wet or overheated in storage, it may generate flammable vapours and should therefore be kept away from sparks and open flames.

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.

Aerial application: Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

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, CLIMATIC AND STORAGE CONDITIONS, QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE DISEASE OR PEST 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:

GHS Precautionary Statements

If medical advice is needed, have product container or label at hand. Obtain, read and follow all safety instructions before use. Avoid breathing dust. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Do not touch eyes. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: wash with plenty of water. IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF exposed or concerned, get medical advice. If skin irritation or rash occurs: Get medical help. Store locked up. Dispose of contents and container in accordance with all local, regional, national or international regulations.

While spraying, avoid contact with the spray as much as you can.

Do not eat, drink or smoke whilst handling this product or before washing hands and face and changing clothes. Wash contaminated clothing after use.

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

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

Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, 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)	Concentration % by weight	Classification
		EC1272/2008
Mancozeb	90-95%	Skin sensitisation (Category 1) H317. Carcinogenicity (Category 2) H351. STOT RE 2 H373 thyroid, nervous system. Reproductive toxicity

		(Category 2) H360D. Aquatic acute 1 H400. Aquatic chronic 1 H410. (M=10)
Sodium salt alkyl sulphonate	1-3%	Acute toxicity oral, dermal (Category 4) H302+H312. Skin corrosion (Category 1) H314. Serious eye damage (Category 1) H318.
Alkyl naphthyl sulphonate	1-3%	Acute toxicity oral, inhalation (Category 4) H302+ H332. Serious eye damage (Category 1) H318. STOT SE 3 H335.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **VENTUM 800 WP** and 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, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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 immediately.

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 if you feel unwell.

RESISTANCE WARNING:

For resistance management, **Ventum 800 WP** is a group code M3 fungicide. Any fungus may contain individuals naturally resistant to **Ventum 800 WP** and other group code M3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. The resistant fungi may not be controlled by **Ventum 800 WP** or any other group code M3 fungicide.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered 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.

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

MODE OF ACTION:

The mode of action for Mancozeb is by reacting with, and inactivate the sulfhydryl groups of amino acids and enzyme of fungal cells, resulting in disruption of lipid metabolism, respiration and production of ATP.

AERIAL APPLICATION:

Aerial application may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Remedies). It is important to ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria are met:

Equipment:

Use suitable atomizing equipment (hydraulic nozzles or rotary atomizers) that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product through drift.

The operator must use a setup that will produce a droplet spectrum with the lowest possible relative span. All nozzles / atomisers should be positioned within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.

Application parameters:

A minimum volume of 30 – 40 ℓ spray mixture per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aurally at a lower volume rate than recommended above.

A droplet coverage of 50-70 droplets per cm² must be recovered at the target.

A droplet spectrum with a VMD (Volume Median Diameter) of 200 - 250 micron is recommended. Ensure that the production of fine droplets (smaller than 150 microns) is restricted to a minimum. The height of the spray boom should be maintained at 3-4 metres above the target. Do not spray when aircraft is in a climb, at the top or during a dive, or when banking.

Meteorological conditions:

The difference between the wet and dry bulb readings as determined by a whirling hygrometer, must not exceed 8 °C

Do not spray under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur.

Spraying under temperature inversion conditions (spraying in or above the inversion layer) and or high humidity conditions (relative humidity 80% and above) may lead to the following:

- Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage)
- Damage to other sensitive crops and or non-target areas through the movement of the suspended spray cloud away from the target field

Do not spray if the wind speed exceeds 15 km/h.

General:

Ensure that fields are accurately marked and that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED**COMPATIBILITY:**

Ventum 800 WP is compatible with most of the common fungicides and insecticides. Mixture with other plant protection products are as follows: Metalaxyl, Benalaxyl, Oxadixyl, Cymoxanil, Carbendazim, Captan, Fosetyl aluminium, Zineb, Copper oxychloride, Sulphur, Dinocap, Folpet, Myclobutanil, Fenpropimorph, Bordeaux mixture, Pyrifenoxy, Penconazole.

MIXING INSTRUCTIONS:

Half fill the spray tank with water. Mix the recommended quantity of **Ventum 800 WP** with a little water to form a thick cream. Add more water, stir well and add to the spray tank. Fill up the tank to the required volume with water. Ensure thorough agitation during filling and spraying. When used with emulsifiable concentrates, the **Ventum 800 WP** must be added to the spray tank first in the manner described above, before the emulsifiable concentrate is added. The spray tank must be flushed out with clean water at the end of the day.

APPLICATION TABLE:

CROP AND DISEASE	DOSAGE / 100 ℓ WATER	REMARKS
APPLES, PEARS Scab & <i>Septoria</i> leaf spot	150 g/100 ℓ water (3,0 – 5,25 kg/ha)	Can be applied as both pre-and post blossom sprays. Pre-blossom stage: Apply a preventative programme starting at early green tip stage and repeat every 5-7 days until 75% petal drop. Post-blossom stage: Continue with sprays at 7–14 day intervals to mid December and thereafter with monthly intervals, if conditions persist. The volume of water (and dosage) per hectare should be determined by the tree-row-volume of each orchard.
APRICOTS, PEACHES, PLUMS Rust ----- Gumspot	HV : 150 g/100 ℓ water (2,25 – 4,5 kg/ha) LV : 1,8 – 3,6 kg/ha in ¼ to ⅓ of high volume spray mixture/ha. ----- HV :150 g/100 ℓ water (1,8 – 3,75 kg/ha) LV : 1,25 – 3,0 kg/ha	Winter Rainfall Region: Start applications early in November. Summer Rainfall Region: Apply from mid-February. Repeat at 10-14 day intervals if wet conditions persist. ----- Apricots and Peaches: Apply a maximum of 5 applications. Applications at the following times are recommended: Autumn: Just after harvest. Autumn: 75% leaf drop Spring: Copper spray at bud movement. Spring: 80% petal drop Two further applications at 14 day intervals if necessary. Plums: Apply 2 applications. Apply the 1 st spray during mid December and the 2 nd application 10 days later.
BANANAS Sigatoka disease (<i>Cercospora musae</i>)	2.5 kg/100 ℓ water plus 4-5 ℓ light/medium mineral oil	Apply as a low volume application with the first spray towards the end of November and repeat every 28 days until after the rainy season.
BEANS Anthracnose and Rust	1 – 4 kg/ha	For Anthracnose: Commence spraying when the first flowers appear and repeat at 7-14 day intervals. For Rust: Commence spraying when the first signs of disease appear and repeat at 7 – 10 day intervals. Dosage depends on the plant density and size. Use enough water to ensure thorough wetting. Aerial Application: Apply in 30 ℓ water/ha.

GROUNDNUTS <i>Cercospora</i> and <i>Phyllosticta</i> leaf spot	Dry land: 400 g Irrigated land: 300 g	Use 400 – 500 ℓ of spray mixture/ha. Commence spraying when the very first signs of disease appear at the base of the plant and apply 5 sprays at 14 day intervals. Use 1000 ℓ of spray mixture/ha. Commence spraying when the very first signs of disease appear at the base of the plant and apply 5 sprays at 14 day intervals.
GUAVAS Lumpy disease and Blossom-end rot	200 g	For Lumpy disease: Apply as a full cover spray during the early stages until fruit begins to swell. Apply at 30 day intervals For Blossom-end rot: Apply as a full cover spray 14 days before harvesting when very wet weather is experienced.
MANGOES Anthracnose	200 g	Apply first spray when panicles appear but before flowers open. Apply second spray at fruitset and repeat thereafter at 14 – 21 day intervals. Do not apply Ventum 800 WP after fruit have reached golf ball size.
OLIVES Anthracnose	200 g	Autumn application: Commence spraying before discoloration of fruit begins. Repeat 2-3 times at monthly intervals. Spring application: Commence spraying late August, before the start of new growth.
ONIONS Downy mildew	1-4 kg/ha	Commence spraying at 4 to 6 leaf stage or when first signs of disease are noticed and repeat at 7-10 day intervals. Add a wetter/spreader to the spray mixture. Dosage depends on plant density and size. Use in enough water to give thorough coverage of the plants.
ORNAMENTALS Downy mildew, Anthracnose, rusts	150 – 200 g/100 ℓ plus wetter/sticker	Commence spraying when first signs of disease are noticed and repeat every 7-10 days. Dosage depends on severity of disease. Ensure thorough coverage of the plants.
PAPAYA Black speckle	2 kg/ha	Apply from flowering stage at 28 day intervals. Shorten intervals to 14 days under conditions favourable for high disease pressure. For low volume application (25-40 ℓ water/ha) add mineral oil (light narrow range) at a rate of 16 ℓ / 100 ℓ spray mixture.
PEAS Downy mildew	1 – 4 kg/ha	Commence spraying at 4-6 leaf stage or when first signs of disease are noticed and repeat at 7-10 day intervals. Dosage depends on plant density and size. Use sufficient water to ensure thorough wetting. Aerial application: Apply in 30 ℓ water/ha.
POTATOES Early and late blight <i>Fusarium</i> , Dry rot, Common	2-3 kg/ha 300 g/100 ℓ	High volume: Apply in 1 000 ℓ water/ha Low volume: Apply in 200 – 300 ℓ water/ha <u>Aerial application:</u> Apply in 30 ℓ water/ha Commence spraying as soon as plants are 15 cm high and repeat every 7-10 days. For seed potatoes only: Dip the whole or cut tubers in the

scab		suspension. Let tubers dry off and store under cool and well-aerated conditions in disease free mass containers. Change dipping suspension frequently especially if the potatoes have a film of soil.
QUINCES Black spot	125 g	Commence application at green tip stage. Repeat at weekly intervals till 75% petal drop and repeat thereafter at 10-14 day intervals.
TOMATOES Early and late blight and <i>Septoria</i> leaf spot	200 g	Use 500 l spray mixture/ha shortly after transplanting and increase the volume of spray mixture to 3 000 l/ha as the plants grow bigger. Ventum 800 WP can also be used on tomato seedlings.
YOUNG & BOYSENBERRIES Downy mildew and Anthracnose	1-4 kg/ha	For Anthracnose: Commence spraying as soon as the first flowers appear and repeat every 7-10 days. For Downy mildew: Commence spraying when the first signs of the disease are noticed. Repeat every 10-14 days until risk for regular rains diminished. Apply adequate water to ensure thorough wetting of plant foliage (500 – 2 000 l spray mixture/ha, depending on plant density and plant foliage during the time of application)

