

Main Panel

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

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

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.

FUNGICIDE GROUP CODE M3 / SWAMDODERGROEPKODE M3

Active ingredient / Aktiewe bestanddeel:

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

Net Contents

kg

Netto Inhoud

REGISTRATION HOLDER / REGISTRASIEHOUER:

Nulandis®, A Division of AECI Limited / Nulandis®, 'n Afdeling van AECI Beperk
Reg. No. / Nr. 1924/002590/06
P.O. Box / Posbus 14418
Witfield, 1467
Tel : (011) 823 8000

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL 0861 555777/
0824668946

Batch No:

Date of Manufacture:

Lotnommer:

Vervaardigingsdatum:

UN NUMBER: 3077 - Environmentally hazardous, solid, n.o.s.



CAUTION
VERSIGTIG



Pamphlet

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Reg. No. L8691, Act No. 36 of 1947
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Tel : (011) 823 8000

CAUTION

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

May cause sensitization of the skin.

Toxic to fish.

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.

Ventum 800 WP Label - To change name of supplier and minor label change – Submitted August 2015 –
Approved July 2016

PRECAUTIONS:

Avoid inhalation of spray mist or dust.

Avoid skin and eye contact.

Wear rubber gloves and faceshield when mixing the product.

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

In case of eye contact, rinse the eyes thoroughly with plenty of cold water for 15-20 minutes, occasionally lifting the upper and lower lids. If irritation persists, seek medical advice. In case of skin contact, wash thoroughly with soap and water.

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.

Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing tank and destroy the empty container/package thereafter by perforation and burying it. Never re-use the empty container/package for any other purpose. Do not burn the container/package.

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

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 aerially 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	HV : 150 g/100 ℓ water (2,25 – 4,5 kg/ha) LV : 1,8 – 3,6 kg/ha in ¼ to ½ of high volume spray mixture/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.
Gumspot	HV :150 g/100 ℓ water (1,8 – 3,75 kg/ha) LV : 1,25 – 3,0 kg/ha	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. <u>Aerial Application:</u> Apply in 30 ℓ water/ha.
CITRUS Black spot and Melanose	200 g 200 g/100 ℓ water in the	When normal rainfall occurs during July to September, spray during the third week of October and repeat 3 times at 25 day intervals. OR If rainfall is above normal in July to September, apply after full petal drop and repeat 4 times with 25 day intervals.

----- Brown rot -----	first 2 sprays, then 150 g/100 ℓ water plus 600 ml light/medium mineral oil in subsequent 2 or 3 sprays ----- 200 g -----	----- Apply 3 weeks before harvest on all fruits up to 1 metre above soil surface. Also treat stem and soil surface under the tree. -----
----- Citrus rust mite -----	75 g	Apply during Spring. The Ventum 800 WP programme against black spot will also control rust mite.
Silver mite	200 g	This pest can cause russetting of lemons and grapefruit during the 5-7 week period after petal fall. Apply as a full cover spray to wet the foliage canopy and fruitlets as soon as first mite presence is noticed. Alternatively apply at petal fall to trees which suffered fruit russet the previous season. In the case of lemons, fruitlets resulting from summer blossom are most susceptible to attack.
CRUCIFERAE Downy mildew	1 – 4 kg/ha	Commence spraying at 4 to 6 leaf stage, or when disease is noticed and repeat at 7 -10 day intervals. Add a wetter/spreader to the mixture. Treat seedbeds at 3 - 5 day intervals. Dosage depends on plant density and size. Use in enough water to give thorough coverage of the plants.
CUCURBITS Anthracnose and Downy mildew	200 g	Start applications during first signs of disease. Repeat every 7 – 10 days until conditions favouring disease development are diminished. Ensure that the lower leaf surfaces are thoroughly wetted. Use 1000 – 1500 ℓ of spray mixture/ha.
GRAPEVINES Downy mildew (<i>Plasmopara viticola</i>)	200 g	Pre-blossom: Apply in a preventative programme starting when young shoots have reached a length of 10 cm. Further sprays should be applied at 5 – 10 day intervals, depending on weather conditions favourable for downy mildew infection. During this period use 500 – 750 ℓ spray mixture/ha (high volume) Blossom: Continue with the preventative programme and shorten intervals under wet conditions. For additional protection or if sprays are delayed because of bad weather, replace Ventum 800 WP with a suitable systemic product. Use 750 – 1000 ℓ spray mixture/ha. Post blossom: Apply two more applications at 7-14 day intervals depending on weather conditions. Apply 1000 – 1500 ℓ spray mixture/ha DO NOT apply later than 5 mm berry size on table grapes.
Dead arm disease (<i>Phomopsis viticola</i>)	200 g	Apply the first treatment when 25% of buds are open and repeat when the longest shoots reach a length of 0.5-1 cm. If wet conditions persist, repeat at 5 cm shoot length and 10 cm shoot length. Use 500 -700 ℓ spray mixture/ha.
GROUNDNUTS <i>Cercospora</i> and <i>Phyllosticta</i> leaf spot	Dry land: 400 g Irrigated land:	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

	300 g	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. <u>Aerial application:</u> Apply in 30 ℓ water/ha.
POTATOES Early and late blight	2-3 kg/ha	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.
<i>Fusarium</i> , Dry rot, Common scab	300 g/100 ℓ	For seed potatoes only: Dip the whole or cut tubers in the 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)

Pamflet

VENTUM 800 WP

Reg. Nr L8691, Wet Nr. 36 van 1947
Namibiese reg. Nr. N-AR 1369

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

SWAMDODERGROEPKODE M3

Aktiewe bestanddeel:

Mankoseb (Ditiokarbamaat)..... 800 g/kg

REGISTRASIEHOUER:

Nulandis®, 'n Afdeling van AECI Beperk
Reg. Nr. 1924/002590/06
Posbus 14418
Witfield, 1467
Tel : (011) 823 8000

VERSIGTIG

WAARSKUWINGS:

LAAT DIE VOLGENDE ONTHOUDINGSPERIODES TOE WANNEER VENTUM 800 WP OP OES- EN VOERGEWASSE GEBRUIK WORD;

MINIMUM AANTAL DAE TUSSEN LAASTE BESPUITING EN OES VIR PLAASLIKE RESIDUVLAKKE. DIT MAG DALK NIE VOLDOEN AAN VEREISTES VIR UITVOER NIE.

BONE, PAMPOENGWASSE, ERTJIES, AARTAPPELS, TAMATIES 3 DAE

GRONDBOONHOOF WAT VIR VEEVOER GEBRUIK WORD 21 DAE

MANGO'S 60 DAE

TAFELDRUIWE 4 – 6 WEKE

ALLE ANDER EETBARE GEWASSE 14 DAE

Mag sensitisering van die vel veroorsaak.

Giftig vir visse.

Bêre in 'n koel, droë plek weg van voedsel en voer.

Hou buite gebruik van kinders, oningeligte persone en diere.

Hou die houer dig toe wanneer nie in gebruik nie.

Moenie toelaat dat produk tydens berging nat word of oorverhit nie, dit kan vlambare gasse veroorsaak en moet daarom weggehou word van vonke en oop vlamme.

Herbetreding: Moenie behandelde gebied betree voor spuitneerslag droog is nie, tensy beskermende oorklere gedra word. In geval van vergiftiging - ONTBIED 'N GENEESHEER EN STEL HIERDIE ETIKET AAN HOM BESKIKBAAR.

Lugtoediening - stel alle persone in die onmiddellike omgewing van die gebied wat behandel gaan word in kennis en reik die nodige waarskuwings uit. Moenie aangrensende gebiede of waterbronne bespuit of toelaat dat die sproeinewel daarheen oorwaai nie.

ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSKEIDENHEID TOESTANDE GETOETS IS WAARBORG DIE REGISTRASIEHOUER NIE DAT DIT ONDER ALLE TOESTANDE DOELTREFFEND SAL WEES NIE AANGESIEN DIE WERKING EN EFFEK DAARVAN BEÏNVLOED KAN WORD DEUR FAKTORE SOOS ABNORMALE GROND-, KLIMAATS- EN BERGINGSTOESTANDE, KWALITEIT VAN VERDUNNINGSWATER, VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE EN DIE VOORKOMS VAN WEERSTAND VAN DIE SIEKTE OF PLAAG TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAATHEID VAN TOEDIENING. VERDER AANVAAR DIE REGISTRASIEHOUER NIE VERANTWOORDELIKHEID VIR SKADE AAN GEWASSE, PLANTEGROEI, DIE OMGEWING OF VIR NADELIGE EFFEK OP MENS OF DIER OF VIR 'N GEBREK AAN PRESTASIE VAN DIE BETROKKE MIDDEL AS GEVOLG VAN DIE VERSUIM VAN DIE GEBRUIKER OM ETIKETAANWYSINGS NA TE KOM OF AS GEVOLG VAN DIE ONTSTAAN VAN TOESTANDE WAT NIE KRAGTENS DIE REGISTRASIE VOORSIEN KON WORD NIE. RAADPLEEG DIE VERSKAFFER IN DIE GEVAL VAN ENIGE ONSEKERHEID.

VOORSORGMAATREËLS:

Vermyn inaseming van sporeinewel of stof.

Vermyn vel- en oogkontak.

Dra rubberhandskoene en gesigskerm wanneer die produk gemeng word.

Vermyn kontak met die spuitstof sover moontlik tydens toediening.

In geval van oogkontak, spoel die oë deeglik met groot hoeveelhede koue water vir 15 -20 minute, terwyl die ooglede oopgehou word. Indien irritasie voortduur, verkry mediese hulp. In geval van velkontak, was deeglik met seep en water.

Moenie eet, drink of rook terwyl die produk hanteer word of voordat hande en gesig gewas en skoon klere aangetrek is nie. Was besoedelde klere na gebruik.

Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

Verhoed wegdrywing van die sporeinewel na ander gewasse, weidings, riviere, damme of ander gebiede wat nie behandel word nie.

Maak spuitapparaat skoon na gebruik en moenie ander gewasse, weiding, riviere of damme met waswater besoedel nie.

Houers en verpakking moet goed leeggemaak word voor dit weggegooi word. Skud deeglik oormeng- of spuittenk uit voor die leë houer/verpakking vernietig word deur gate daarin te kap en dan te begrawe. Moenie die leë houer vir enige ander doel gebruik nie. Moenie die leë houer/verpakking verbrand nie.

WEERSTANDSWAARSKUWING:

Vir weerstandsbeheer, **Ventum 800 WP** is 'n groeppkode M3 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **Ventum 800 WP** of enige ander groeppkode M3 swamdoder het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **Ventum 800 WP** of enige ander groeppkode M3 swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groeppkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdoder groeppcodes.
- Raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in verskillende swamdodergroeppcodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in siektebeheerprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk

LUGTOEDIENING:

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS 10118 (Aerial Application of Agricultural Remedies) gedoen word. Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus belangrik om aan die volgende kriteria te voldoen:

Toerusting:

- Gebruik geskikte atomiseringsapparaat (hidroliese of roterende spuitkoppe) wat die vereiste druppelgrootte en bedekking sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n stelsel gebruik wat 'n druppelspektrum met die kleinste moontlike relatiewe span sal produseer.
- Al die spuitneuse/atomiseerders moet in die binneste 60 tot 75 % van die vlerkspan geplaas word om die beweging van druppels in die vlerkvorteks in te verhoed.

Toedieningsparameters:

Ventum 800 WP Label - To change name of supplier and minor label change – Submitted August 2015 – Approved July 2016

- 'n Minimum volume van 30 – 40 ℓ spuitmengsel per hektaar word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effek indien hierdie produk teen 'n laer volume as hierbo aanbeveel, uit die lug toegedien word nie.
- 'n Druppelbedekking van 50 - 70 druppels per cm² moet op die teikenarea herwin word.
- 'n Druppelspektrum met 'n VMD van 200 - 250 mikron word aanbeveel. Verseker dat die produksie van fyn druppels (kleiner as 150 mikron) tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet op 3-4 meter bo die teiken gehandhaaf word. Moenie spuit wanneer die vliegtuig aan die bopunt is van, of tydens 'n duik, of terwyl dit uitklim of draai nie.

Meteorologiese toestande :

- Die verskil tussen die nat- en droëbollesing, soos met 'n swaaihygrometer bepaal, moet nie 8°C oorskry nie.
- Moenie toedien tydens turbulente, onstabiele toestande gedurende die hitte van die dag wanneer styg en dalende konveksie windbeweging plaasvind nie.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversielaag te spuit) en / of hoë lugvog toestande (relatiewe humiditeit 80% of meer) mag tot die volgende probleme aanleiding gee:
 - Verlaagde effektiwiteit as gevolg van die suspensie en verdamping van klein druppels in die lug (onvoldoende bedekking).
 - Skade aan ander sensitiewe gewasse en / of nie teiken gebiede deur die beweging van die suspensie spuitdampe weg vanaf die teikengebied.
- Moenie spuit indien die windspoed 15 km/uur oorskry nie.

Algemeen :

- Sorg dat die lande akkuraat gemerk is en die spuitoperator presies weet watter lande gespuut moet word.
- Verkry 'n versekering van die spuitoperator dat aan die bogenoemde vereistes voldoen sal word.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

VERENIGBAARHEID:

Ventum 800 WP is verenigbaar met meeste van die algemene swamdoders en insekdoders. Mengsels met ander plaagbeheer produkte is as volg: Metalaksil, Benalaksil, Oksadiksil, Simoksanil, Karbendasim, Kaptan, Fosetiel aluminium, Sineb, Koper oksichloried, Swael, Dinokap, Folpet, Miklobutaniel, Fenpropimorf, Bordeaux mengsel, Pirifenoks, Penkonasool.

MENGINSTRUKSIES:

Maak die spuittenk halfvol met water. Meng die aanbevole hoeveelheid **Ventum 800 WP** met n bietjie water om 'n dik room te vorm. Voeg meer water by, roer deeglik en voeg by die spuittenk. Vul die tenk met die verlangde volume water. Verseker goeie roering tydens volmaakproses en bespuiting. Wanneer die produk met emulgeerbare konsentrete gebruik word, moet die **Ventum 800 WP** eerste vermeng word in die spuittenk alvorens die emulgeerbare konsentraat bygevoeg word. Die spuittenk moet met skoon water uitgespoel word na 'n dag se werk.

TOEDIENINGSTABEL:

GEWAS EN SIEKTE	DOSIS / 100 ℓ WATER	OPMERKINGS
AARTAPPELS Vroeë- en Laatroes <i>Fusarium</i> , Droë vrot, Gewone skurfsiekte	2-3 kg/ha 300 g/100 ℓ	Hoë volume: Dien toe in 1 000 ℓ water/ha. Lae volume: Dien toe in 200 – 300 ℓ water/ha. <u>Lugtoediening:</u> Dien toe in 30 ℓ water/ha. Begin bespuiting sodra plante ongeveer 15 cm hoog is en herhaal elke 7-10 dae. Vir saadaartappels alleenlik: Doop die hele- of gesnyde moere in die suspensie. Laat afdroog en berg daarna onder koel en goed deurlugte toestande in siektevrye massahouers. Vervang doopsuspensie gereeld veral as die aartappels 'n laag grond op het.
APPELKOSE, PERSKES, PRUIME Roes Gomvlek	HV : 150 g/100 ℓ water (2,25 – 4,5 kg/ha) LV : 1,8 – 3,6 kg/ha in ¼ tot ⅓ van die hoë volume spuitmengsel/ha. HV :150 g/100 ℓ water (1,8 – 3,75 kg/ha) LV : 1,25 – 3,0 kg/ha	Winterreënvalstreek: Begin toedienings vroeg in November. Somerreënvalstreek: Dien vanaf middel Februarie toe. Herhaal elke 10-14 dae indien nat toestande voortduur. Appelkose & Perskes: ; Maksimum van 5 toedienings word aanbeveel; Toedienings tydens die volgende tye word aanbeveel: Herfs: Net na oes. Herfs: 75% blaarval Lente: Koperbespuiting by knopswel. Lente: 80% blomblaarval Twee verdere toedienings met 14 dae tussenpose indien nodig. Pruime: Dien 2 bespuitings toe. Dien die eerste bespuiting tydens middel Desember toe en volg bespuiting op met 'n tweede, 10 dae later.
APPELS, PERE Skurfsiekte & <i>Septoria</i> blaarvlek	150 g/100 ℓ water (3,0 – 5,25 kg/ha)	Kan as voor- en na-blombespuitings toegedien word. Voor blom: Dien toe as 'n voorkomende program wat begin by vroeë groenpuntstadium en herhaal elke 5-7 dae tot met blom en tot 75% blomblaarval. Na blom: Gaan voort met bespuitings elke 7-14 dae tot middel Desember and daarna met maandelikse intervalle in droë weerstoestande. Die volume water (en dosis) per hektaar moet bepaal word met die boom-ry volume van elke boord.
BONE Antraknose en Bruinroes	1 – 4 kg/ha	Vir Antraknose: Begin bespuitings sodra die eerste blomme verskyn en herhaal elke 7 – 14 dae. Vir Bruinroes: Begin bespuitings tydens die eerste tekens van die siekte en herhaal elke 7-10 dae. Die dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker. <u>Lugtoediening:</u> Dien toe in 30 ℓ water/ha.
ERTJIES		Begin bespuiting tydens die 4 tot 6-blaarstadium óf met die

Donsige skimmel	1 – 4 kg/ha	eerste tekens van die siekte en herhaal elke 7-10 dae. Die dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike bedekking te verseker. <u>Lugtoediening:</u> Dien toe in 30 l water/ha.
GRONDBONE <i>Cercospora</i> en <i>Phyllosticta</i> blaarvlek	<u>Droë land:</u> 400 g <u>Lande onder besproeiing:</u> 300 g	Gebruik 400 tot 500 l spuitmengsel / ha. Begin bespuiting sodra die eerste tekens van die siekte wat by die basis van die plante verskyn en dien 5 bespuitings met tussenposes van 14 dae toe. Gebruik 1 000 l spuitmengsel / ha. Begin bespuiting sodra die eerste tekens van siekte wat by die basis van die plante verskyn en dien 5 bespuitings met tussenposes van 14 dae toe.
KOEJAWELS Knopvelsiekte en Blom-end verrotting	200 g	Vir knopvelsiekte: Dien 'n voldekbepuitings in die vroeë stadium van vrugontwikkeling toe. Herhaal elke 30 dae totdat die vrugte begin swel. Vir blom-end verrotting: Dien toe as 'n voldekbepuiting 14 dae vóór oes tydens nat weerstoestande.
KOOLGEWASSE Donsige skimmel	1 – 4 kg/ha	Begin bespuiting sodra plante 4 - 6 blare het óf wanneer siekte opgemerk word en herhaal elke 7-10 dae. Voeg benatter / kleefmiddel by die spuitmengsel. Spuit saadbeddings elke 3 tot 5 dae. Die dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike bedekking van die plante te verseker.
KWEPERS Swartvlek	125 g	Begin bespuiting tydens groenpuntstadium. Herhaal weekliks tot 75% blomblaarval en herhaal daarna elke 10-14 dae.
MANGO'S Antraknose	200 g	Dien die eerste bespuiting toe sodra die panikula verskyn, maar vóór die bloeisels oopgaan. Dien die tweede bespuiting toe met vrugset en herhaal daarna met tussenposes van 14 - 21 dae. Staak bespuiting van Ventum 800 WP wanneer vrugte gholfbalgrootte bereik het.
OLYWE Antraknose	200g	Herfs toediening: Begin bespuiting vóór die verkleuring van vrugte. Herhaal 2 tot 3 keer met maandelikse intervalle. Lente toediening: Begin bespuiting laat Augustus vóór die begin van nuwe groei.
PAMPOENGWASSE Antraknose en Donsige skimmel	200 g	Begin toedienings sodra die eerste tekens van siekte opgemerk word. Herhaal toedienings elke 7 - 10 dae totdat die gunstige toestande vir siekteontwikkeling afneem. Maak seker dat die onderste blaaroppervlakte deeglik met spuitmengsel bedek word. Gebruik 1 000 tot 1500 l spuitmengsel/ha.
PAPAJAS Swart spikkel	2 kg/ha	Dien toe vanaf blomstadium met 28-dae tussenposes. Onder toestande gunstig vir hoë infeksiedruk verkort die tussenpose tot 14 dae. Vir lae volume toedienings (in 25 tot 40 l water/ha) voeg minerale olie (ligte smalbestek) by teen 'n dosis van 16 l per 100 l spuitmengsel.
PIESANGS		

Sigatokasiekte (<i>Cercospora musae</i>)	2,5 kg/100 l water plus 4-5 l ligte/medium minerale olie	Wend aan as 'n lae volume toediening. Dien die eerste bespuiting teen die einde van November toe en herhaal elke 28-dae tot na die reënseisoen.
SIERPLANTE Donsige skimmel, Antraknose, Roes siektes	150 – 200 g/100 l plus 'n benatter/kleefmiddel	Begin met toedienings sodra die eerste tekens van die siektes opgemerk word. Herhaal elke 7 tot 10 dae. Die dosis hang af van die graad van infeksie. Verseker dat die plante deeglik benat word.
SITRUS Swartvlek en Melanose	200 g 200 g/100 l water in die eerste 2 bespuitings, dan 150 g/100 l water plus 600 ml ligte/medium minerale olie in daaropvolgende 2 óf 3 bespuitings	Wanneer normale reënval gedurende Julie tot September voorkom, bespuit gedurende die derde week in Oktober en herhaal drie keer met 25-dae tussenposes. OF Wanneer bo-normale reënval gedurende Julie tot September voorkom, bespuit na volle blomblaarval en herhaal 4 keer met 25-dae tussenposes.
Bruinverrotting	200 g	Dien toe 3 weke vóór oestyd op alle vrugte tot 1 meter hoog bo die grondoppervlak. Behandel ook die stam en grond onder die boom.
Sitrusroesmyt	75 g	Dien toe in die lente. Die Ventum 800 WP program teen swartvlek sal ook roesmyt beheer.
Silvermyt	200 g	Hierdie plaag kan skilverruwing van suurlemoene en pomelo's gedurende die periode 5 - 7 weke na blomblaarval veroorsaak. Dien toe as 'n voldekbepuiting om sodoende die blare en vrugte deeglik met spuitmengsel te bedek sodra die eerste myte opgemerk word. Alternatiewelik, kan 'n toediening vir bome waar daar die vorige seisoen skilverruwing voorgekom het, by blomblaarval gemaak word. In die geval van suurlemoene is die vruggies van somerblomme die mees vatbaarste.
TAMATIES Vroeë- en laatroes en <i>Septoria</i> blaarvlek	200 g	Gebruik 500 l spuitmengsel per ha kort na verplanting en vermeerder die volume spuitmengsel na 3000 l/ha na gelang die plante groter word. Ventum 800 WP kan op tamatiesaailinge gebruik word.
UIE Donsige skimmel	1-4 kg/ha	Begin bespuiting sodra plante 4 tot 6 blare het óf wanneer siekte opgemerk word en herhaal elke 7-10 dae. Voeg benatter/kleefmiddel by die spuitmengsel. Die dosis hang af van die plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker.
WINGERD		

Donsige skimmel (<i>Plasmopara viticola</i>)	200 g	Voor blom: Dien toe in 'n voorkomende program wat begin wanneer die jong lote 'n lengte van 10 cm bereik het. Verdere bespuitings, moet met tussenposes van 5 - 10 dae toegedien word, afhangend van weerstoestande gunstig vir donsskimmelbesmettings. Gebruik 500 -750 l spuitmengsel/ha (hoë volume) Blomtyd: Gaan voort met voorkomende program en verkort intervalle indien nat toestande voortduur. Vir addisionele beskerming óf as bespuitings uitgestel word a.g.v slegte weerstoestande, vervang Ventum 800 WP met 'n gepaste sistemiese produk. Dien 750 – 1000 l spuitmengsel/ha toe. Na blom: Dien nog twee verdere behandelings toe met tussenposes van 7-14 dae afhangende van weerstoestande. Dien 1 000 – 1 500 l spuitmengsel/ha toe. MOENIE later as 5 mm korrelgrootte toedien op tafeldruie nie.
Streepvleksiëkte (<i>Phomopsis viticola</i>)	200 g	Dien die eerste bespuiting toe sodra 25% van die knoppe oop is en herhaal wanneer die langste lote 'n lengte van 0.5 tot 1 cm bereik het. Indien nat toestande voortduur, herhaal tydens 5 cm lootlengte en 10 cm lootlengte. Gebruik 500 - 700 l spuitmengsel/ha (hoë volume)
YOUNG & BOYSENBESSIES Donsige skimmel & Antraknose	1-4 kg/ha	Vir Antraknose: Begin bespuiting sodra die eerste blomme verskyn en herhaal elke 7-10 dae. Vir Donsige skimmel: Begin bespuiting tydens die eerste tekens van die siekte en herhaal elke 10-14 dae totdat kanse vir gereelde reën afneem. Gebruik voldoende water om deeglike benatting te verseker (500 – 2 000 l spuitmengsel/ha, afhangende van plantdigtheid en loofontwikkeling).