

Zetani[®] M

Registration No. L 6036 Act 36/1947

Registrasie Nr. L 6036 Wet 36/1947

A systemic and contact fungicide wettable powder with protective and curative properties for the control of late blight on potatoes and tomatoes and downy mildew on table- and wine grapes as indicated.

'n Sistemiese en kontakswamdoder benatbare poeier met voorkomende en kuratiewe eienskappe vir die beheer van laatroes op aartappels en tamaties en donsige skimmel op tafel- en wyndruive soos aangedui.

Active ingredients:
Cymoxanil (ethyl urea)
Mancozeb (dithiocarbamate)

60 g/kg
700 g/kg

Aktiewe bestanddele:
Simoksaniel (etielureum)
Mankoseb (ditiokarbamaat)

Net Mass

10 kg

Netto Massa

Registered by:
Sipcam Southern Africa (Pty) Ltd
Co. Reg. No. 96/09324/07
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Zetani[®] is the registered trade mark of SIPCAM S.p.A. Milan, Italy

Zetani[®] is die geregistreerde handelsmerk van SIPCAM S.p.A. Milan, Italië

Batch Number

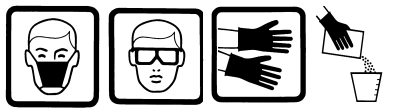
Lotnommer

Expiry date

Vervaldatum

UN NUMBER: 2588

VN NOMMER: 2588



**CAUTION
VERSIGTIG**



WARNINGS:

The following number of days should be allowed between last application and harvest of the crop:

Tomatoes	7 days
Potatoes	14 days
Table grapes	4 – 6 weeks (Do not apply after pea size)
Wine grapes	14 days

- May irritate eyes, nose, throat and skin.
- May cause skin sensitisation.
- Harmful when swallowed inhaled or absorbed through the skin.
- Store in a cool dry place away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- FLAMMABLE - Keep away from fire and sparks. Do not allow to become damp and then warmed in storage as flammable vapours will be generated.
- Do not use on hydroponically or container grown crops.

- Toxic to fish.

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 and the occurrence of resistance of the disease organisms against 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 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:

- Wear rubber gloves, face shield and mask when handling powder.
- Avoid inhalation of dust, spray mist and fumes.
- In case of skin contact wash thoroughly with soap and water.
- Wash contaminated clothing.
- Do not eat, drink or smoke whilst applying or preparing the spray mix, or before washing face and hands.
- Prevent spray drift onto other crops, grazing, rivers, dams and any area not under treatment.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Destroy empty container and do not use it for any other purpose.
- Clean applicator after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams etc.

WARNING AGAINST RESISTANCE:

When fungicides with the same mode of action are used repeatedly, resistant fungal strains may develop, resulting in ineffective control of diseases. Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. Development of resistance within a pathogen population can be prevented or delayed by alternating or mixing products with different modes of action. Cymoxanil is active against strains that are resistant to phenylamide fungicides.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

General Properties:

Zetanil M is a mixture of cymoxanil, a locally systemic fungicide with protective and curative properties and mancozeb, a residual non-systemic fungicide. Zetanil M is most effective when applied preventatively or at the early stages of infection, before symptoms are visible on the plants. Zetanil M must not be applied to any crop suffering from stress as a result of drought, water logging, low temperature, insect attack, nutrient or lime deficiency or other factors reducing crop growth. Cymoxanil rapidly penetrates into plant tissue. If rain occurs within two hours after application product performance may be adversely affected and application must be repeated.

Compatibility:

Zetanil M is compatible with most non-alkaline products when applied according to their manufacturer's instructions. Since the formulation of other products may change and water quality may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

Mixing Instructions:

Mix the required quantity of Zetanil M with a small volume of water into a slurry. Half fill the spray tank with clean water and whilst agitating, pour the slurry into the spray tank and then top up the tank to the required volume. Ensure thorough agitation during filling and spraying.

Restrictions of Use:

Zetanil M is not sufficiently effective against early blight (*Alternaria solani*) on potatoes when used in a 10 –14 day programme. A fungicide registered against early blight such as Clortosp L SC (reg. no. L 4449) should therefore be used with a Zetanil M treatment to control early blight when conditions favour development of early blight.

Application:

Zetanil M can be applied with conventional high volume spray equipment. All applications must be made with suitable equipment that is in good working order and correctly calibrated to give the desired coverage.

CROP AND DISEASE	DOSAGE	REMARKS
POTATOES AND TOMATOES Late blight (<i>Phytophthora infestans</i>)	2 – 3 kg/ha	Commence spraying as soon as conditions are conducive to late blight development. Apply during period of active growth of plant as a high volume, full cover spray. Depending on the plant size, apply spray at a rate of 500 – 1500 ℓ spray mixture / ha at 10 – 14 day intervals. Use at higher rate when infection pressure increases. Reduce spray interval to 7 – 10 days with the higher rate when conditions favour development of late blight. Do not apply more than 4 times per season.
GRAPES Downy mildew (<i>Plasmopara viticola</i>)	200g/100ℓ (0,5 – 3,0 kg/ha)	Start spraying when first shoots have reached 10 cm length. repeat application at 10 –14 day intervals. Use shorter spray interval (7 – 10 days) when conditions for disease development are very favourable. Do not use on table grapes after pea size stage. Do not apply more than 4 times per season.

WAARSKUWINGS:

Die volgende aantal dae moet toegelaat word tussen die laaste toediening en oes van die gewas:

Tamaties	7 dae
Aartappels	14 dae
Tafeldruiwe	4 – 6 weke (nie na ertjiekorrelgrootte nie)
Wyndruiwe	14 dae

- Mag oë, neus , keel en vel irriteer.
- Kan velgevoeligheid veroorsaak.
- Skadelik deur inname, inaseming of wanneer deur die vel geabsorbeer.
- Bêre in 'n koel droë plek weg van voedsel en voer.

- Hou buite bereik van kinders, oningeligte persone en diere.
- VLAMBAAR - Hou weg van vuur en vonke. Voorkom dat produk gedurende storting klam word en daarna verwarm aangesien vlambare dampe vrygestel word.
- Moenie gebruik word op gewasse wat in hidroponiese stelsels of in potte groei nie.
- Giftig vir vis.

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 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-organismes 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 en dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim deur 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 geval van enige onsekerheid.

VOORSORGMATREËLS:

- Dra rubberhandskoene, gesigskerm- en masker wanneer poeier hanteer word.
- Voorkom inaseming van poeierstof, spuitmis en dampe.
- In geval van toevallige velkontak was met seep en water.
- Was besoedelde klere.
- Moenie eet, drink of rook tydens toediening of menging nie, of voordat gesig en hande gewas is nie.
- Voorkom oorwaai van spuitnewel na ander gewasse, weiding, riviere, damme en enige ander gebied wat nie behandel word nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Vernietig leë houers en moet dit vir geen ander doel gebruik nie.
- Maak toedieningsapparaat skoon na gebruik. Uitspoelwater moet nie gewasse, weiveld, riviere, damme ens. besoedel nie.

WAARSKUWING TEEN WEERSTAND:

Wanneer swamdoders met dieselfde metode van werking herhaaldelik gebruik word, kan weerstandbiedende swamrasse ontwikkel wat tot onvoldoende beheer van siektes aanleiding kan gee. Aangesien die voorkoms van weerstand nie voorspel kan word nie, word gebruikers derhalwe gemaan om behandelde gewasse noukeurig dop te hou. Ontwikkeling van weerstandbiedendheid in 'n patogeen kan voorkom of vertraag word deur produkte met verskillende meganismes van werking af te wissel of te meng. Simoksanil is effektief teen rasse wat weerstandbiedend teen fenielamiedswamdoders is.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui

Algemene Eienskappe:

Zetanil M is 'n mengsel van simoksanil, 'n lokaal sistemiese swamdoder met voorkomende en kuratiewe eienskappe en mankoseb, 'n kontak nie-sistemiese swamdoder. Die beste resultate met Zetanil M word verkry indien dit voorkomend toegedien word voordat siektesimptome op die plant verskyn. Zetanil M moet nie toegedien word op gewasse onder stremming as gevolg van droogte, versuiping, lae temperatuur, inseksskade, voedingselement- of kalktekorte of ander faktore wat gewasontwikkeling nadelig beïnvloed nie. Simoksanil word vinnig deur plantweefsel opgeneem. Indien reën binne twee ure na toediening voorkom, kan die nawerking van die produk nadelig beïnvloed word en moet die bespuiting herhaal word.

Verenigbaarheid:

Zetanil M is mengbaar met die meeste nie-alkaliese produkte, indien dit toegedien word volgens die vervaardigers se aanbevelings. Aangesien die formulering van ander produkte kan verander en die kwaliteit van die water ook van plaas tot plaas kan varieer, moet 'n fisiese verenigbaarheidstoets altyd uitgevoer word voordat gespuit word.

Menginstruksies:

Meng die vereiste hoeveelheid Zetanil M met 'n klein hoeveelheid water tot 'n dun room. Maak die tenk halfvol met skoon water en voeg die room by terwyl aanhoudend geroer word en vul dan die tenk tot die vereiste volume. Roer goed gedurende volmaak en terwyl gespuit word.

Gebruiksbeperkings:

Zetanil M is nie genoegsaam doeltreffend teen vroeëroes (*Alternaria solani*) op aartappels wanneer in 'n 10 – 14 dae spuitprogram gebruik word nie. 'n Geregistreerde swammiddel teen vroeëroes soos Clortosp L SC (reg. nr. L4449) behoort dus saam met Zetanil M gebruik te word wanneer toestande gunstig is vir vroeëroes ontwikkeling.

Toediening:

Zetanil M kan met 'n konvensionele hoëvolume spuitapparaat toegedien word. Alle toediennings moet gemaak word met geskikte toerusting wat in goeie werkende toestand en korrek gekalibreer is, ten einde die verlangde bedekking te verkry.

GEWAS EN PLAAG	DOSIS	OPMERKINGS
AARTAPPELS EN TAMATIES Laatroes (<i>Phytophthora infestans</i>)	2 – 3 kg/ha	Begin bespuiting sodra toestande gunstig is vir laatroes ontwikkeling. Dien toe tydens aktiewe groeifase van plant as hoë volume, volle dekbespuiting. Dien elke 10 – 14 dae toe teen 500 – 1500 ℓ spuitmengsel / ha afhangende van plantgrootte. Gebruik hoër dosis wanneer besmettingsdruk toeneem. Verkort spuitinterval na 7 – 10 dae met hoë dosis wanneer toestande gunstig is vir laatroes ontwikkeling. Moet nie meer as 4 maal per seisoen toedien nie.
TAFEL- EN WYNDRIUWE Donsige skimmel (<i>Plasmopara viticola</i>)	200 g/100ℓ (0,5 – 3,0 kg/ha)	Begin spuit sodra die eerste lote 10 cm lank is. Herhaal elke 10 – 14 dae. Gebruik 'n korter tydsinterval (7 – 10 dae) wanneer toestande baie gunstig is vir siekte ontwikkeling. Moet nie na ertjiekorrel grootte op tafeldruive gebruik nie. Moet nie meer as 4 maal per seisoen toedien nie.