



KICKBACK 5 GR

Reg.No. L7104 Act No. 36 of 1947

Reg.Nr. L7104 Wet Nr. 36 van 1947

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

LEES DIE INGESLOTE ETIKET VOOR GEBRUIK
HOU BUITE BEREIK VAN KINDERS EN DIERE

FUNGICIDE GROUP M4

SWAMDODERGROEP M4

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

'n Korrel sistemiese swamdoder vir die beheer van siektes op gewasse soos aangedui.



Hazard Statements:

May cause skin allergies.

Precautionary statements:

Avoid breathing dust or fumes. Wash hands, face, and any exposed skin thoroughly after handling.

Contaminated work clothes should not be allowed out of the workplace. Wear PPE.

WARNING

ACTIVE INGREDIENT

Metalaxyl (phenylamide)

.....50 g/kg.....

AKTIEWE BESTANDDEEL

Metalaksil (fenielamied)

Net Mass

20 KG

Netto Massa

Registered by/Geregistreer deur:
BITRAD CONSULTING (PTY) LTD

41 Rudolph Str, Sunderland Ridge, Centurion. Tel: 012 666 7331

BATCH NUMBER
DATE MANUFACTURED

LOTNOMMER
DATUM VERVAARDIG

Expiry date



Vervaldatum

< 2 years/jaar

UN No.
Emergency number

3077
082 446 8946

VN nr.
Noodnommer

WARNINGS:

- **Hazard Statements**

May cause skin allergies

- **PRE-HARVEST INTERVALS:** The following number of days must be allowed between last application and harvest.

Avocados	-	30 days
Citrus	-	30 days
Tobacco	-	42 days

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, compatibility with other substances not indicated on the label and the occurrence of resistance of fungi 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 or for lack of performance of the remedy concerned due to failure of the user to follow label instructions or to the occurrence of conditions that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- **Prevention**

Read label and follow all safety instructions before use
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Avoid breathing dust/fumes

Wear protective gloves, protective clothing, eye protection and face protection

Limit contaminated work clothes to the workplace. Wash before reuse.
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- **Response**

If on skin, wash with plenty of water

If skin irritation or rash occurs, get medical help

Collect spills

- **Storage**

Store locked up away from food and feed

- **Disposal**

Dispose of content or containers to an approved waste disposal facility

RELEVANT SUBSTANCES

Hazardous Component	Weight - %	GHS Classification
Metalaxyl	5%	Acute Toxicity Oral: Category 4. Skin Sensitization: Category 1. Aquatic Toxicity Chronic: Category 3.

NOTE TO PHYSICIAN:

Inhalation exposure may include itching, sneezing and coughing. Dermal exposure may cause redness and irritation. No specific antidote available. Treat symptomatically.

RESISTANCE WARNING:

KICKBACK 5 GR contains a systemic, curative compound – *metalaxyl*, which belongs to the chemical group *phenylamides*. (other products from this group shows cross resistance to *metalaxyl*) Root/collar rot (*Phytophthora spp.*) in some cases are known to contain races which are resistant to fungicides belonging to *phenylamides*.

In case of apparent underperformance or unsatisfactory control by KICKBACK 5 GR programme, it is essential that the possibility of fungal resistance be considered.

In positive cases, a chemically unrelated curative fungicide should immediately substitute KICKBACK 5 GR. Consult your supplier.

To reduce selection of resistant pathogen races, DO NOT USE **KICKBACK 5 GR** FOR MORE THAN TWO CONSECUTIVE SEASONS. ALTERNATE USE WITH ANOTHER CHEMICALLY UNRELATED FUNGICIDE EVERY SECOND SEASON. (See Directions for Use Table)
Prolonged use of KICKBACK 5 GR on certain soil types may result in an increase of biological degradation of the active ingredient, which may lead to reduced disease control.

NOTE: Sub-standard application will lead to unsatisfactory control and contribute to the development of resistance.

MODE OF ACTION

KICKBACK 5 GR contains *metalaxyl*, which belongs to the phenylamide chemical group (FRAC group code 4) which interferes with ribonucleic acid and protein synthesis

USE RESTRICTIONS:

- Do NOT use in nurseries.
- Conditions related to gravelly, sandy soils – may result in temporary leaf chlorosis to young citrus trees.

DIRECTIONS FOR USE:

USE ONLY AS DIRECTED

- KICKBACK 5 GR controls *Phytophthora* and *Pythium spp.* Tree decline can also result from other causes and/or combination of factors i.e., poorly drained soils in case of Avocados, other disease and/or nematode infections in case of Citrus. Appropriate measures must be taken to rectify such non-related situations.
- Remove weeds underneath and around the tree.
- Apply product twice per season, with first application in Spring prior to rains or scheduled irrigation. It is advantageous to leach the product into the soil by means of a light irrigation after application.
- Ensure an even spread and coverage of the soil with granules within the drip area of tree foliage. If granular applicators are used, ensure that they are in good working order and correctly calibrated.
- The amount of product needed per tree can be calculated as follows:
Measure the average distance from stem to outside line of foliage drip area in meter.
Apply formula;
 $r \times r \times 3.14 = \text{surface area in square meter (m}^2\text{)} \times 40 \text{ g} = \text{product dose per tree (in gram)}$
(r = radius = distance in m from stem to outside foliage drip line)

APPLICATION TABLE:

CROP & DISEASE	DOSE	REMARKS
Avocados Root/Trunk rot <i>Phytophthora cinnamomi</i>	40 g/m² area of soil surface (To calculate dose per tree, refer to formula above)	Apply granules evenly on soil surface within drip area of foliage canopy of tree(s). Apply treatment prior to onset of rainy season or before irrigation is scheduled. Repeat application within approx. 18 weeks. Limit initial applications to a period of 2 years, after which treatments should be alternated annually with a chemically unrelated compound.
Citrus Root/Collar rot <i>Phytophthora citrophthora</i>	40 g/m² area of soil surface (To calculate dose per tree, refer to formula above)	Apply granules evenly on soil surface within the drip area of foliage canopy of tree(s). Apply treatment prior to onset of rainy season or before irrigation is scheduled. Repeat application within approx. 18 weeks. Apply product every alternative year. Treatments should be alternated annually with a chemically unrelated compound. In sandy, gravelly soils, KICKBACK 5 GR may cause temporary leaf chlorosis in young trees.
Pineapples Root/Base rot <i>Phytophthora cinnamomi</i>	10-20 kg/hectare	Apply granules evenly as a broadcast application on the field to be planted and incorporate to a depth of approximately 10 cm. Use the higher rate in situations with a high infection pressure. Follow up treatment 3-6 months later with foliar application of KICKBACK 700 WP (refer to label for application rate) may be necessary depending on climatic conditions.
Tobacco Black shank <i>Phytophthora nicotianae</i>	30-40 kg/hectare	Only for use on Flue Cured Varieties. Apply granules evenly on the planted ridge area and incorporate before transplanting seedlings. DO NOT use product on same fields in consecutive years.

WAARSKUWINGS:

- **Gevaarklousules**

Mag vel allergie veroorsaak

- WAGPERIODES VOOR OES: Laat die volgende aantal dae toe tussen die laaste toediening en oes.

Avokados	-	30 dae
Sitrus	-	30 dae
Tabak	-	42 dae

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; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van swamme teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, en omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel 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:

- **Voorkoming**

Lees en volg veiligheidsinstruksies voor gebruik
Voorkom inaseming van stof/dampe
Dra beskermende handskoene, -klere, oog - en gesigbeskerming
Beperk besoedelde klere tot die werksplek. Was klere voor hergebruik.

- **Reaksie**

Indien velkontak, was met baie water
Indien velirritasie of -uitslag voorkom, kry mediese hulp
Versamel indien gemors

- **Storing**

Stoor agter slot/grendel

- **Wegdoening**

Doen weg met inhoud en/of houers deur te lewer aan goedgekeurde afval hanteringsfasiliteite

BETROKKE BESTANDDELE

Gevaarlike Bestanddeel	Massa - %	GHS Klassifikasie
Metalaxyl	5%	Akkute Orale Giftigheid: Kategorie 4. Vel Sensitering: Kategorie 1. Waterlewe Kroniese Giftigheid: Kategorie 3.

NOTA AAN GENEESHEER:

Inaseming van stof mag jeuk, nies en hoes veroorsaak. Velbloomstelling mag rooiheid en irritasie veroorsaak. Geen spesifieke teenmiddel is beskikbaar nie. Behandel simptome.

WEERSTANDWAARSKUWING:

KICKBACK 5 GR bevat 'n sistemiese kuratiewe verbinding *metalaxyl*, wat aan die *fenielamied* chemiese groep behoort. (ander produkte van hierdie groep toon kruisweerstand teen *metalaxyl*) Wortel/stamvrot (*Phytophthora spp.*) is in sekere gebiede bekend om rasse te bevat wat weerstandbiedend is teen swamdoders wat aan die *fenielamied*-groep behoort. In die geval van oënskynlike onderprestasie of onbevredigende beheer met 'n KICKBACK 5 GR program, is dit nodig dat die aanwesigheid van die weerstand oorweeg word. In positiewe gevalle behoort KICKBACK 5 GR onmiddellik vervang te word met 'n chemies onverwante, kuratiewe swamdoder. Raadpleeg U verskaffer.

Om die seleksie van weerstandbiedende patogeenrasse te verminder, MOENIE **KICKBACK 5 GR** VIR LANGER AS TWEE OPEENVOLGENDE SEISOENE GEBRUIK NIE. WISSEL GEBRUIK AF MET 'N SWAMDODER WAT CHEMIES NIE-VERWANT IS NIE. (Sien Gebruiksaanwysingstabel.) Aanhoudende gebruik van KICKBACK 5 GR op sekere grondtipes, mag lei tot versnelde biologiese afbreking van die aktiewe bestanddeel, wat swak siektebeheer mag meebring.

NOTA: Ondoeltreffende toediening sal aanleiding gee tot onbevredigende beheer en die ontwikkeling van weerstand aanhelp.

WERKINGSMETODE:

KICKBACK 5 GR bevat *metalaksil* wat behoort aan die fenielamied chemiese groep (FRAC code 4) wat inmeng met ribonukleïensuur en proteïensintese prosesse.

GEBRUIKSBEPERKINGS:

- Moet NIE gebruik in kwekerye nie.
- Toestande wat verband hou met gruiserige, sanderige gronde – mag tydelike blaarvergeling veroorsaak by jong sitrusbome.

GEBRUIKSAAWYSINGS:

GEBRUIK SLEGS SOOS AANGEDUI

- KICKBACK 5 GR beheer *Phytophthora* en *Pythium spp.* Agteruitgang van bome kan die gevolg wees van ander oorsake, of kombinasie van faktore nl. swak gedreineerde gronde i.g.v. Avokados, ander siektes en/of aalwurm besmetting i.g.v. Sitrus. Toepaslike maatreëls moet getref word om die nie-verwante probleme op te los.
- Verwyder onkruid onder en om die boom.
- Dien produk twee keer per seisoen toe, met eerste toediening in die Lente, voor reëns of geskeduleerde besproeiing. Dit is voordelig om die produk in die grond in te loog deur middel van 'n ligte besproeiing.
- Verseker 'n eweredige verspreiding en bedekking van die grondoppervlakte wanneer korrels toegedien word. Indien korreltoedieners gebruik word, verseker dat apparaat in goeie werkende toestand is en korrek gekalibreer is.
- Die hoeveelheid produk benodig per boom kan as volg bereken word:
Meet die gemiddelde afstand, in meter, vanaf die stam na die buitekant van die druplyn van die blaardak van die boom.
Pas formule toe;
 $r \times r \times 3.14 = \text{oppervlak area in vierkante meter (m}^2\text{)} \times 40 \text{ g} = \text{produk dosis per boom (in gram)}$ [r = radius = afstand in m vanaf stam tot buitenste sirkel van druplyn van blaardak.]

TOEDIENINGSTABEL:

GEWAS & SIEKTE	DOSIS	OPMERKINGS
Avokados Wortel/Stamvrot <i>Phytophthora cinnamomi</i>	40 g/m² area grondoppervlakte (Vir berekening van dosis per boom, verwys na formule hierbo)	Dien korrels eweredig toe op grondoppervlakte binne die drupsirkelgebied van die blaarkroon van die bome. Dien toe kort voor die reënseisoen begin of voordat besproeiing beplan word. Herhaal toediening binne ongeveer 18 weke. Beperk die aanvanklike toedienings tot 'n twee jaar tydperk, waarna behandelings jaarliks afgewissel moet word met 'n verbinding wat chemies nie-verwant is nie.
Sitrus Wortel/Stamvrot <i>Phytophthora citrophthora</i>	40 g/m² area grondoppervlakte (Vir berekening van dosis per boom, verwys na formule hierbo)	Dien korrels eweredig toe op grondoppervlakte binne die drupsirkelgebied van die blaarkroon van die bome. Dien toe kort voor die reënseisoen begin of voordat besproeiing beplan word. Herhaal toediening binne ongeveer 18 weke. Gebruik produk slegs elke tweede jaar. Behandeling moet afgewissel word met nie-verwante chemiese produkte. KICKBACK 5 GR mag tydelike vergeling van blare veroorsaak by jong bome.
Pynappels Wortel/Stamvrot <i>Phytophthora cinnamomi</i>	10-20 kg/hektaar	Dien korrels eweredig toe op die oppervlak wat beplant gaan word en vermeng/inkorporeer tot 'n diepte van ongeveer 10 cm. Gebruik die hoër dosis in geval van swaar siektedruk. Volg die behandeling 3-6 maande later op met 'n blaarbespuiting met KICKBACK 700 WP. (verwys na betrokke etiket vir toedieningshoeveelhede) afhangende van die klimaatstoestand.
Tabak Swartstam <i>Phytophthora nicotianae</i>	30-40 kg/hektaar	Slegs vir gebruik op Oonddroog Varieteite. Dien korrels eweredig toe op plantskouers en inkorporeer (meng) in grond, voordat saailinge oorgeplant word. MOET NIE die produk in opvolgende jare op dieselfde lande gebruik nie.