



OSCAR

Reg. no. L4382 Act/Wet 36 of/van 1947
N-AR 0779

An emulsifiable concentrate, systemic fungicide for the control of powdery mildew in cucurbits, mangoes and sunflower. 'n Emulgeerbare konsentraat sistemiese swamdoder vir die beheer van poeieragtige skimmel in pampoengewasse, mango's en sonneblom.

FRAC FUNGICIDE GROUP CODE **3 & 8** **FRAC SWAMDODER GROEPKODE**

ACTIVE INGREDIENT/AKTIEWE BESTANDEEL

hexaconazole (triazole)	30 g/L heksakonasool (triasool)
bupirimate (pyrimidine)	250 g/L bupirimaat (pirimidien)

NET VOLUME/NETTO VOLUME

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REGISTRATION HOLDER/REGISTRASIEHOUER

ADAMA South Africa (Pty.) Ltd.

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OSCAR is a trademark of a company of the ADAMA GROUP.
OSCAR is 'n handelsmerk van 'n maatskappy van die ADAMA GROEP.

CONTACT IN EMERGENCY/KONTAK IN NOOD

Griffon Poison Information Centre: +27 82 446 8946

Tygerberg Poison Information Centre: +27 21 931 6129

Batch number
Date of manufacture

Lotnommer
Datum van vervaardiging

UN No.1993



**HARMFUL
SKADELIK**



WARNINGS

Withholding periods (minimum number of days between last application and harvest):

Mangoes	Do not apply after 100 % petal drop
Cucurbits	3 days
Sunflower seed	60 days

- Harmful if swallowed.
- Irritating to skin and eyes.
- May cause sensitisation by skin contact.
- Toxic to fish and wildlife.
- **Flammable** - keep away from open flames.
- Store in a cool place away from children, uninformed persons, animals and away from food and feed.
- In case of poisoning call a doctor and make this label available to him/her.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the 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 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 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 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

- Do not eat, drink or smoke whilst handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Wear rubber gloves and face shield when handling the concentrate. If eye contamination occurs, flush it out at once. If skin contamination occurs, wash it off at once. If spilt on clothes, change and wash clothes.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container.
- While spraying, avoid contact with the spray as much as you can. Avoid spray drift onto other crops, grazing, rivers or dams.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams. Destroy empty container and do not use for any other purpose. Change and wash your work clothes. Wash yourself.

Symptoms of human poisoning: Incontinence and subdued behaviour with salivation and an increased respiration rate. Massive doses may result in renal failure.

First aid and medical treatment: Eye contamination: Hold eyelids apart and pour in a gentle stream of water for 10–15 minutes. Go to a doctor. **If OSCAR is swallowed, do not induce vomiting.** Take person and this product label to a doctor at once for medical treatment.

Medical treatment: If gastric lavage is performed, take care to prevent aspiration of gastric contents. Consider administration of activated charcoal and a laxative. Treat symptomatically.

RESISTANCE WARNING

For the purpose of resistance management, the active ingredients of **OSCAR** have been classified as FRAC group code 3 and 8 fungicides. Any fungicide population may contain individuals naturally resistant to Oscar and any other group code 3 and 8 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **OSCAR** or any other group code 3 and 8 fungicides.

The following can be done to delay the occurrence of resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes. If tank mixes are used the labels of the other products should be taken into account.
- Integrate the control methods (chemical, cultural, biological) into disease control programmes.
- For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE

Use only as indicated.

APPLICATION

Ground application

OSCAR can be applied with any suitable medium or high volume applicator, provided it is fitted with an efficient agitator, is able to distribute the spray mixture evenly over the target area and is correctly calibrated.

Aerial application (sunflower only)

Aerial application of **OSCAR** 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 Pesticides). 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 be met:

- Volume: A spray mixture volume of 30 L/ha 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.
- Droplet coverage: 25–35 droplets/cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280–300 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3–4 m above the target. Do not spray when aircraft is diving, climbing or when banking

- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60–75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- 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:
 - a) Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - b) Damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure 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 and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION RATES

CROP AND TARGET	DOSAGE	REMARKS
Mangoes Powdery mildew (<i>Oidium magifera</i>)	40 ml/100 L water	Commence application at the first sign of infection. Repeat at 10- to 14-day intervals up to 100 % petal drop. Repeat if blossoming is irregular.
Cucurbits Powdery mildew (<i>Oidium erysiphoides</i>)	40–60 ml/100 L water	Start application at first sign of disease. Under conditions of a high infection pressure use the higher concentration. Repeat at 7- to 10-day intervals. Depending on foliage cover, apply up to 1500 L spray mixture/ha. Ensure total coverage of plants.
Sunflower Powdery mildew (<i>Albugo tragopogonis</i>)	500 ml/ha	Commence application as soon as the disease is noticed, but definitely before disease pressure reaches 10 %. One application should be sufficient to control disease. Ensure a thorough wetting of the leaves. Aerial application: Apply in at least 30 L water/ha.

WAARSKUWINGS

Onthoudingsperiodes (minimum aantal dae tussen laaste toediening en oes):

Mango's	Moet nie na 100 % blomblaarval toedien nie
Pampoengewasse	3 dae
Sonneblomsaad	60 dae

- Skadelik indien ingesluk.
- Irriterend vir oë en vel.
- Mag sensitisering veroorsaak deur velkontak.
- Giftig vir visse en natuurlewe.
- **Vlambaar** - hou weg van oop vlamme.
- Berg in 'n koel plek buite bereik van kinders, oningeligte persone, diere en weg van voedsel en voer.
- In geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.
- **Lugtoediening:** Stel alle inwoners in die onmiddellike omgewing wat bespuit kan word in kennis en reik die nodige waarskuwings uit. Moet nie oor water of aangrensende gebiede spuit of toelaat dat die spuitnewel daaroor dryf 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 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 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

- Moet nie eet, drink of rook terwyl die produk hanteer word nie.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.
- Dra rubberhandskoene en gesigskerm wanneer die konsentraat hanteer word. Indien dit in die oë beland, spoel onmiddellik uit. Indien dit op die vel beland, was dit dadelik af. Indien dit op klere mors, trek uit en was dit.
- Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word.
- Vermy kontak met die spuitstof sover moontlik tydens toediening. Vermy oorwaai van spuitnewel na ander gewasse, weiding, riviere of damme.
- Maak toediener deeglik skoon na gebruik en gooi waswater waar dit nie gewasse, weiding, riviere of damme sal besoedel nie. Vernietig leë houer en moet dit nie vir enige ander doel gebruik nie.
- Trek werksklere uit en was dit. Was uself.

Simptome van menslike vergiftiging: Onbeheerstheid en stil gedrag met kwyling en 'n toename in asemhalingspoed. Groot dosisse mag akute nierversaking tot gevolg hê.

Noodhulp- en mediesebehandeling: Oogbesoedeling: Hou ooglede oop en spoel met 'n ligte stroom water vir 10– 15 minute. Gaan na 'n dokter. **Indien OSCAR ingesluk is, moet nie braking veroorsaak nie.** Neem die persoon en hierdie produketiket onmiddellik na 'n dokter vir mediese behandeling.

Mediese behandeling: Indien 'n maagspoeling gedoen word, voorkom aspirasie van die maaginhoud. Oorweeg toediening van geaktiveerde houtskool en 'n purgeermiddel. Behandel simptome.

WEERSTANDSWAARSKUWING

Vir die doel van weerstandsbestuur is die aktiewe bestanddele van **OSCAR** as FRAC groepkode 3 en 8 swamdoders geklassifiseer. Enige swampopulasie mag individue hê wat natuurlik weerstand teen **OSCAR** of enige ander groepkode 3 en 8 swamdoders het. Hierdie weerstandbidende swamme kan uiteindelik die swampopulasie oorheers as hierdie swamdoders herhaaldelik gebruik word. Hierdie weerstandbidende swamme mag dalk nie deur OSCAR of enige ander groepkode 3 en 8 swamdoder beheer word nie.

Om die voorkoms van weerstand te vertraag kan die volgende gedoen word:

- Vermyn die uitsluitlike en herhaaldelike gebruik van swamdoders in dieselfde swamdodergroepkode. Wissel af met of gebruik tenkmengsels van produkte wat in verskillende swamdoder groepkodes val. In die geval van tenkmengsels moet die ander produk se etiketaanwysings nagevolg word.
- Integreer beheermetodes (chemies, bewerking, biologies) in beheerprogramme
- Vir meer spesifieke inligting oor weerstandbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

TOEDIENING

Grondtoediening

OSCAR kan met enige geskikte medium- of hoëvolume spuitapparaat toegedien word, mits dit doeltreffende roermeganismes besit, in staat is om die spuitmengsel eweredig oor die teikenoppervlak te versprei en korrek gekalibreer is.

Lugtoediening (alleenlik sonneblom)

OSCAR kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- Volume: 'n Spuitmengsel volume van 30 L/ha 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 effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- Druppelbedekking: 25–35 druppels/cm² moet op die teikenarea herwin word.

- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 280–300 mikron word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikron (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieg hoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3–4 m. Moet nie spuit wanneer die vliegtuig duik, uitklim of draai nie.
- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binneste 60–75 % van die vlerkspan om te verhoed dat druppels binne-in die vlerkpuntvorteks beweeg.
- Die verskil in temperatuur tussen die nat- en droëboltermometer van 'n swaaihygrometer, moet nie 8 °C oorskry nie.
- Stop bespuiting indien die windspoed 15 km/h oorskry.
- Stop bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversielaag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80 % en meer) mag tot die volgende aanleiding gee:
 - a) verlaagde doeltreffendheid weens suspensie en verdamping van klein druppels wat in die lug bly hang (onvoldoende bedekking op teiken).
 - b) skade aan ander sensitiewe gewasse en/of nie-teiken areas as gevolg van wegdrywing van die spuitwolk vanaf die teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

TOEDIENINGSHOEVEELHEDE

GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Mango's Poeieragtige skimmel (<i>Oidium magiferea</i>)	40 ml/100 L water	Dien toe by die eerste tekens van infeksie. Herhaal met 10- tot 14-dae tussenposes tot by 100 % blomblaarval. Herhaal indien die blomperiode wisselvallig is.
Pampoengewasse Poeieragtige skimmel (<i>Oidium erysiphoides</i>)	40–60 ml /100 L water	Begin toediening by die eerste tekens van die siekte. Onder toestande van 'n hoë besmettingsdruk gebruik die hoër konsentrasie. Herhaal met 7- tot 10-dae tussenposes. Dien tot 1500 L spuitmengsel/ha toe afhangende van die blaarbedekking. Verseker deeglike bedekking van plante.

GEWAS EN TEIKEN	DOSIS	OPMERKINGS
<p>Sonneblom</p> <p>Poeieragtige skimmel (<i>Albugo tragopogonis</i>)</p>	<p>500 ml/ha</p>	<p>Dien toe sodra die eerste tekens van die siekte waargeneem word, maar beslis voor die siektedruk 10 % bereik het. 'n Enkele toediening behoort voldoende te wees om die siekte te beheer. Verseker deeglike benatting van alle blare.</p> <p>Lugtoediening: Dien in minstens 30 L water/ha toe.</p>