

## ETHOS 275 EW


**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**GEBRUIKSAANWYSINGS INGESLUIT**  
Lotonommer  
Datum van vervaardiging

**VERWYS NA BESONDERHEDE**  
**SOOS OP HOUER / SAK GEDRUK**

### ETHOS 275 EW

**FUNGICIDE**



Reg. No. L8742, Act/Wet No. 36 of/van 1947 1: 19/08/2006

**An oil-in-water emulsion, systemic fungicide for the control of the diseases on crops as listed.**

**'n Olie-in-water emulsie, sistemiese swamdoder vir die beheer van siektes op gewasse soos aangedui.**


| FRAC FUNGICIDE GROUP CODE | 3;3 | FRAC SWAMDODERGROEPKODE |
|---------------------------|-----|-------------------------|
|---------------------------|-----|-------------------------|





| ACTIVE INGREDIENTS / AKTIEWE BESTANDEDE |         |                           |
|---|---------|---------------------------|
| Difenoconazole (triazole)               | 150 g/l | Difenokonasool (triasool) |
| Penconazole (triazole)                  | 125 g/l | Penkonasool (triasool)    |

Registration Holder / Registasiehouer  
**Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.**  
 Reg. No. 2000/010819/07  
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika



**1ℓ**

UN Number: 1993



**CAUTION / VERSIGTIG**

**DIRECTIONS FOR USE ENCLOSED**  
 Batch Number  
 Date of manufacture

**REFER TO DETAILS AS PRINTED**  
**ON CONTAINER / BAG**

## WARNINGS

Allow the following number of days between last treatment and harvest or use as food or feed:

Apples and pears.....14 days

IMPORTANT: The recommended withholding period between last application and harvest meets local residue requirements, but may not meet export requirements.

- Causes severe eye irritation and mild skin irritation.
- Toxic to fish and aquatic organisms.
- Store under lock and key in a cool place.
- Store away from food, feed, fertilizer and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry** – Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **Ethos 275 EW** has been tested on some of the most important commercial cultivars without any phyto toxic effects. More susceptible cultivars may be released in future which need to be tested; for this apply **Ethos 275 EW** to a limited test area before commercial applications are made.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity 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 against the remedy, 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 by 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 inhale fumes or spray mist.
- Avoid skin and eye contact by wearing protective clothing when mixing the product. Should eye contact occur, flush with plenty of water and get medical attention if necessary.
- Wash with soap and water after use and accidental skin contact as well as contaminated clothing.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Rinse empty 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 empty container by perforation and flattening.
- Do not use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

## RESISTANCE WARNING

For resistance management, **Ethos 275 EW** is a group code 3 fungicide. Any disease population may contain individuals naturally resistant to **Ethos 275 EW** and other group code 3 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant diseases may not be controlled by **Ethos 275 EW** or any other group code 3 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.
- A spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **Ethos 275 EW** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to prompt use of a fungicide with a different mode of action for which there is no record of resistance to the relevant disease. For specific information on resistance management, contact the registration holder of this product.

#### **USE RESTRICTIONS**

- The uptake and activity of systemic compounds can be reduced when crops are under severe drought and/or nutrient stress conditions. Therefore do not apply **Ethos 275 EW** under such conditions.
- Spray programmes with **Ethos 275 EW** should commence before disease/s become established.
- Do not apply **Ethos 275 EW** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **Ethos 275 EW** using an accurate and safe application technique.
- If **Ethos 275 EW** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.

#### **DIRECTIONS FOR USE Use only as directed**

#### **MIXING INSTRUCTIONS**

Half-fill the spray tank with suitable water, then add the required amount of **Ethos 275 EW** to the water in the tank while agitating. Fill the spray tank to the desired volume. Do not use brackish water. Should tank mixtures with other products be made, follow the respective manufacturers' label recommendations. Where wettable powder formulations are used in combination with **Ethos 275 EW**, a slurry should firstly be made with the powder and some water, mixed into the spray tank and finally the **Ethos 275 EW** can be added. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

#### **COMPATIBILITY**

The compatibility of **Ethos 275 EW** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

**Ethos 275 EW** is compatible with most agricultural remedies normally on apples and pears and captan, mancozeb 800 WP and **Alaris 700 WG**(registration pending).

**APPLICATION METHODS**

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. **Ethos 275 EW** can be applied with conventional tractor boom sprayers in 300 – 500 l water/ha as well as high volume mist blowers. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

**RECOMMENDATIONS**

|   |   |   |
|---|---|---|
| <p style="text-align: center;"><b>Apples and pears</b></p> <p><b>Apples</b><br/>Powdery mildew<br/>(<i>Podosphaera leucotricha</i>)<br/>Scab (<i>Venturia inaequalis</i>)</p> <p><b>Pears</b><br/>Scab (<i>Venturia pirina</i>)</p> | <p>10 ml/100 l water plus the recommended rate of a suitable broad-spectrum fungicide such as mancozeb or captan.</p> | <p>For powdery mildew control commence application at the pink stage and apply in a preventive spray programme every 10 – 14 days. Ensure adequate spray coverage.</p> <p>For scab control commence application at the greentip stage and apply in a preventative spray programme every 7 days during the pre-blossom stages up to the end of blossoming and every 14 days during the post-blossom stages. Ensure adequate spray coverage.<br/>Do not exceed 6 applications per growing season.</p> |
|---|---|---|

- The **Ethos 275 EW** broad-spectrum fungicide combinations may be used curatively to supplement a preventative contact fungicide spray programme. Curative applications are only recommended when adequate and reliable disease prediction systems are available. Treatment should be made within 4 days of the onset of an infection period.

## WAARSKUWINGS

Laat die volgende aantal dae toe tussen laaste toediening en oes:

Appels en pere.....14 dae

NOTA: Bogenoemde onthoudingsperiode is gebaseer op plasslike vereistes vir residuvlakke en mag verskil van ander lande waarheen behandelde produkte moontlik uitgevoer word.

- Oorsake ernstige oog irritasie en 'n ligte vel irritasie.
- Giftig vir visse en akwatiese organismes.
- Berg agter slot en grendel op 'n koel plek.
- Stoor weg van voedsel, voer, kunsmis en ander landbou produkte.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding** – Moet nie'n behandelde gebiede betree alvorens die spuitneerslag droog is nie tensy beskermende oorklere gedra word.
- **ETHOS 275 EW** is getoets op die belangrikste komersiële kultivars sonder enige nadelige effekte. Meer vatbare kultivars kan in die toekoms vrygestel word wat nodig het om getoets te word. Vir dir, dien **ETHOS 275 EW** by 'n beperkte toets area voordat kommersiële toepassings word gemaak.

**Hoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die patogeen teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van 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 damp of spuitnewel in asem nie.
- Vermyn kontak vel en oogkontak, spoel deeglik met baie skoon water en kry mediese aandag indien dit nodig is.
- Was met seep en water na gebruik en toevallige velkontak sowel as besoedelde klere.
- Was besoedelde klere na gebruik.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat jy jou hande en gesig gewas is nie.
- Verhoed wegdrywing van spuitnewel op ander gewasse, weidings, riviere, damme en plekke wat nie behandel moet word nie.
- Maak toedieningsapparaat deeglik skoon na gebruik. Raak ontslae van uitspoelwater waar dit nie gewasse, weidings, riviere, damme en ander waterbroone kan besoedel nie.
- Spoel leë houer drie maal uit met 'n volume water wat gelyk aan ten minste van 10% van die houer. Voeg die spoelwater by die inhoud van die spuittenk, voordat van die leë houer vernietig word deur gate en plat te slaan.
- Moet nie die leë houer vir enige ander doel gebruik nie.
- Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.

## WEERSTANDSWAARSKUWING

Vir weerstand, **ETHOS 275 EW** is 'n groeppkode 3 swamdoder. Enige siekte populasie mag individuele insluit wat 'n natuurlike weerstand teen **ETHOS 275 EW** en ander groeppkode 3 swamdoder het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die

weerstandbiedende individuele uiteindelik die siekte populasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **ETHOS 275 EW** of enige ander groepkode 3 swamdoder beheer word nie

#### **Om weerstand teen swamdoders te vertraag:**

- Verhoed die eksklusiewe herhaaldelike gebruik van swamdoders in dieselfde swamdoder groepkode. Wissel af met, of gebruik tenkmengsels van, geregistreerde produkte in verskillende swamdoder groepkodes.
- 'n Suijterprogram van mengsels of met middels met 'n ander modus van aksie kan die opbou van weerstaandige stamme vertraag.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in siektes beheer programme.

Aangesien die voorkoms van weerstand nie voorspel kan word nie, word gebruikers aangerei om behandelde gewasse noukeurig dop te hou. Indien die behandeling nie doeltreffend is nie na bespuiting met **ETHOS 275 EW** soos aanbeveel, mag 'n weerstandbiedende ras teenwoordig wees. Indien 'n weerstandbiedende ras positief geïdentifiseer word, skakel dadelik oor na ander geskikte swamdoders met 'n ander werking waar geen weerstand opgemerk is nie. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

#### **GEBRUIKSBEPERKINGS**

- Die opname en aktiwiteit van sistemiese swamdoders kan verlaag word wanneer gewasse onder ernstige vogstremming en/of voedingsgebrek ly. Wanneer die gewas dus in hierdie stremmingstoestand verkeer, word 'n toediening van **ETHOS 275 EW** nie aanbeveel nie.
- Begin suiijterprogramme met **ETHOS 275 EW** voordat die siekte/s posvat.
- Moet nie **ETHOS 275 EW** toedien op enige gewas of situasie wat nie op hierdie etiket verskyn is nie.
- Dien **ETHOS 275 EW** toe slegs met 'n akkurate en veilige toedieningsmetodes.
- As **ETHOS 275 EW** met ander middels in tenkmengsels gebruik word, moet die gebruiksaanwysings van die betrokke produk gevolg word.

#### **GEBRUIKSAANWYSINGS Gebruik slegs soos aangedui**

#### **MENGINSTRUKSIES**

Maak die spuitenk halfvol met geskikte water en voeg die benodigde hoeveelheid van **ETHOS 275 EW** by terwyl water aanhoudend geroer word. Maak die spuitenk tot die finale volume vol. Moet nie brak water gebruik nie. As tenkmengsels gemaak word met ander middels, moet die spesifieke vervaardiger se etiket gevolg word. Waar benatbare poeier formuleringe wat in kombinasie met **ETHOS 275 EW** gebruik word, moet 'n flodder eerste gemaak word met die poeier en 'n bietjie water in die spuitenk gemeng en uiteindelik kan die **ETHOS 275 EW** bygevoeg word. **Die tenkmengsel moet onmiddelik uitgespuit word en nie toegelaat word om in die spuitenk te staan nie.** Die spuittoerusting moet aan die einde van toediening deeglik uitgewas word.

#### **VERENIGBAARHEID**

Die verenigbaarheid van **ETHOS 275 EW** met ander produkte hang af van die formulering van die betrokke produkte asook die kwaliteit van die spuitwater. Omdat formuleringe kan verander word, is dit aanbeveel dat 'n fisiese verenigbaarheidstoets uitgevoer word voor die tenkmengsel gemaak word.

**ETHOS 275 EW** is verenigbaar met meeste landboumiddels normal weg op appels en pere.

## TOEDIENINGSMETODES

Maak seker dat die spuittoerusting reg gekalibreer is en gaan gedurende die toediening na om seker te maak dat die toediening egalig en akuraat is. **ETHOS 275 EW** kan toegedien word met 'n gewone trekker balkspuit met 300 – 500 l water/ha sowel as hoëvolume miswaaiers. **Die mengsel moet aanhoudend en deeglik geroer word tydens toediening.** Gebruik slegs skoon water.

## AANBEVEELINGS

| Appels en pere  |  |  |
|---|--|--|
| <b>Appels</b><br>Poeieragtige meeldou<br>( <i>Podosphaera leucotricha</i> )<br>Skurf ( <i>Venturia inaequalis</i> ) | 10 ml/100 l plus die aanbevole dosis van 'n breëspektrum kontak swamdoder soos mankozeb of kaptan. | Vir poeieragtige meeldou beheer begin bespuitings vanaf die pienk stadium en dien toe in 'n voorkomende spuitprogram elke 10 – 14 dae. Verseker deeglike bedekking.  |
| <b>Pears</b><br>Skurf ( <i>Venturia pirina</i> )  |  | Vir skurf beheer begin bespuitings vanaf die groenpunt stadium en dien toe in 'n voorkomende spuitprogram elke 7 dae voor blom tot die einde van blom en elke 14 dae na blom. Verseker deeglike bedekking. Moet nie meer as 6 keer per groeiseisoen gebruik nie. |

- Die **ETHOS 275 EW** breëspektrum swamdoderkombinasies, kan kuratief gebruik word om 'n voorkomende kontakswamdoder spuitprogram aan te vul. Kuratiewe toedienings word slegs aanbeveel wanneer geskikte en betroubare siektevoorspelling sisteme beskikbaar is. Toediening moet binne 4 dae na die begin van 'n infeskieperiode plaasvind.