

## PYRILATE EC


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

**GEBRUIKSAANWYSINGS INGESLUIT**  
Lotonommer  
Datum van vervaardiging

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

# PYRILATE EC

INSECTICIDE



Reg. No. L7570, Act/Wet No. 36 of/van 1947 1:06/07/2006

**An emulsifiable concentrate insecticide for the control of red scale in citrus and mango scale in mangoes.**


**'n Emulgeerbare konsentraat insekdoder vir die beheer van rooidopluis op sitrus en mangodopluis op mango's.**

IRAC INSECTICIDE GROUP CODE	7C	IRAC INSEKDODER GROEPKODE
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ACTIVE INGREDIENT / AKTIEWE BESTANDEEL		
Pyriproxyfen (phenylether)	100 g/l	Piriprosifen (fenieleter)


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


5l



**HARMFUL / SKADELIK**







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 application and harvest:  
Citrus .....90 days  
Mangoes .....60 days
- Handle with care.
- Harmful when ingested, inhaled or absorbed through skin.
- May irritate eyes, nose, throat and skin.
- Toxic to fish and other aquatic organisms.
- Do not use this product in any way contrary to the directions on this label.
- **Flammable** – store away from open flames.
- Store away from food and feeds and out of reach of children, uninformed persons and animals.
- In case of poisoning, call a doctor and make this label available to him.
- **Re-entry interval:** Do not enter treated area within one day after treatment unless wearing protective clothing.

**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; compatibility with other substances not indicated on the label and the occurrence of resistance of insects 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

- Avoid any inhalation of spray mist and contact with concentrate.
- Wear protective clothing – overalls, rubber boots, face-shield and gloves when handling the concentrate and wash contaminated clothing daily.
- Wash with soap and water after use.
- In case of contact with eyes, wash immediately with plenty of clean water and seek medical advice.
- Do not eat, drink or smoke during handling, application and before washing.
- Clean applicator after use. Dispose of wash water where no contamination of dams, rivers, grazing or crops can occur.
- Prevent spray from drifting to other crops, grazing and dams.
- Rinse the 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 container on the prescribed manner.
- Destroy empty container by perforation and do not use it for any other purpose.  Prevent contamination of food, feeds, eating utensils and drinking water.

## SYMPTOMS OF HUMAN POISONING

May irritate eyes, nose and skin.

## FIRST AID TREATMENT

- Remove patient from source of poisoning and keep him quiet and reassured.
- Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water.
- Flush contaminated eyes with clean water for 15 minutes or longer.
- Do not induce vomiting.

## NOTE TO PHYSICIAN

- Give copious amounts of water to drink, and treat symptomatically.

## USE RESTRICTIONS

Thorough spray coverage of the tree with **Pyriate EC** is very important because effective control is dependent on scale crawlers coming into contact with residues of the product where ever they may move or settle on the tree. It is highly desirable to use this treatment in conjunction with good ant control. It is possible that the Hyper Medium additive to **Pyriate EC** in citrus may have a variable detrimental impact on yield and colouring when applied as indicated. To minimize this possibility restrict application to healthy well irrigated orchards and do not spray if the temperature is above 30°C.

### THE RELEASE OF BIOLOGICAL CONTROL AGENTS

The hymenopterous scale parasitoids *Aphytis holoxanthus* and *A. lingnanensis* can be released in orchards immediately following treatment with **Pyrilate EC**.

The coccinellid mealybug predator *Cryptolaemus montrouzieri* can be released into an orchard 45 days after application of **Pyrilate EC** in such an orchard.

### RESISTANCE WARNING

**Pyrilate EC** is a group code 7C insecticide. Any insect population may contain individuals naturally resistant to **Pyrilate EC** and other group code 7C insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. The resistant insects may not be controlled by **Pyrilate EC** or any other group code 7C insecticide.

#### To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide group codes.
- Integrate other control methods (chemical, biological, cultural) in an insecticide control programme.

For specific information on resistance management contact the registration holder of this product.

### DIRECTIONS FOR USE

**Use only as indicated.**

### COMPATIBILITY

**Pyrilate EC** is compatible with Hyper Medium (L.7355), benomyl 500 WP and Vondozeb (L.2177). When **Pyrilate EC** is used in tank mixture with other recommended products, consideration must be given to the restrictions of those respective products.

### MIXING INSTRUCTIONS

Half fill the spray tank with clean water. Add the required quantity of **Pyrilate EC**. Fill the spray tank with water as well as the required amount of oil (when needed) to the required level while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences. Maintain agitation while spraying. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Ensure that agitation takes place for a few minutes prior to commencement of spraying after normal operational stops eg. Lunch break. Spraying equipment must be thoroughly flushed out at the end of the spraying operation.





**Remarks**

- Apply as a full cover spray using suitable application machinery.
- Ensure that all above-ground parts of the tree are thoroughly wet with spray mixture.
- Ensure thorough wetting of the tree tops.
- The number of treatments containing **Pyrilate EC** required to prevent citrus red scale movement to fruit in particular orchards will vary according to the prevailing scale infestation. This density can be ascertained with the aid of regular orchard inspection and analysis of scale cull at harvest the previous year. Two general infestation levels and relevant **Pyrilate EC** treatments are defined for practical use.

**ACKNOWLEDEMENT OF TRADEMARKS:**

Vondozeb (L. 2177)  
Hyper Medium (L. 7355)  
Mospilan SL (L. 5900)

Hyper Agrochemicals (Pty) Ltd  
Hyper Agrochemicals (Pty) Ltd  
Nippon Soda

## WAARSKUWINGS

- Laat die volgende aantal dae toe tussen laaste toediening en oes:  
Sitrus .....90 dae  
Mango's .....60 dae
- Hanteer versigtig.
- Skadelik wanneer ingeasem, ingeneem of deur vel geabsorbeer.
- Kan die oë, neus, keel of vel irriteer.
- Giftig vir visse en ander waterorganismes.
- Moet nie produk op enige manier anders gebruik as wat die aanwysings op die etiket aandui nie.
- **Vlambaar** – stoor weg van oop vlamme.
- Bêre weg van voedsel en voer en hou buite bereik van kinders, oningeligte persone en diere.
- In die geval van vergiftiging, ontbied 'n geneesheer en toon etiket aan hom/haar.
- **Herbetreding:** Moenie 'n bespuite area binne 1 dag na die bespuiting betree nie, tensy beskermende oorklere gedra word.

**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 bergingtoestande; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die 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.**

## VOORSORGMATREËLS

- Vermy enige kontak met spuitstof en inaseming van spuitnewel.
- Dra beskermende klere (oorpak, rubberhandskoene, stewels en gesigskerm) wanneer konsentraat hanteer word en was besoedelde klere daaglik.
- Was met water en seep na gebruik.
- In geval van oogkontak, spoel oë onmiddelik met baie skoon water uit en kry mediese hulp.
- Moenie eet, drink of rook gedurende hantering, toediening of voordat hande en gesig gewas is nie.
- Maak spuitapparaat na gebruik skoon. Raak ontslae van uitspoelwater waar dit nie damme, riviere, weiding of gewasse sal besoedel nie.
- Verhoed dat spuitnewel wegdryf na ander gewasse, weiding, riviere en damme.
- Spoel leë houer **drie keer** uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word.
- Verniet leë houer deur gate daarin te maak en dit vir geen ander doel te gebruik nie.
- Voorkom besoedeling van voedsel, voer, eetgerei en drinkwater.

## SIMPTOME VAN MENSLIKE VERGIFTIGING

Mag oë, vel en neus irriteer.

## NOODHULPBEHANDELING

- Verwyder persoon van die bron van vergiftiging, stel hom gerus en hou hom stil.
- Verwyder besoedelde klere en was besoedelde vel deeglik met baie seep en koue water.
- Besoedelde oë moet vir 15 minute of langer met skoon water uitgespoel word.
- Moet nie braking induseer nie.

## NOTA AAN GENEESHEER

- Gee groot hoeveelhede water om te drink, en behandel simptome.

## GEBRUIKSBEPERKINGS

Deeglike spuitstofbedekking van die boom met **Pyriate EC** is noodsaaklik omdat effektiewe beheer van dopluiskruipers van die kontak met die produkresidu afhang, waar hulle ookal op die boom beweeg of hulself vestig. Dit is wenslik om hierdie behandeling saam met goeie mierbeheer toe te pas.

Dit byvoeging van Hyper Medium tot **Pyriate EC** op sitrus kan moontlik 'n nadelige invloed op die opbrengs of vrugverkleuring tot gevolg hê wanneer dit toegedien word soos aangedui. Ten einde hierdie moontlikheid

te beperk, word aanbeveel dat toediening slegs uitgevoer word op gesonde goed besproeide boorde en nie te spuit wanneer die temperatuur bokant 30 °C styg nie.

#### **DIE VRYLAAT VAN BIOLOGIESE BEHEERAGENTE**

1. Die dopluisparasitoïede *Aphytis holoxanthus* en *A. lingnanensis* kan vrygelaat word in 'n boord direk nadat so 'n boord 'n **Pyrilate EC** toediening ontvang het.
2. Die witluis kewerpredator *Cryptolaemus montrouzieri* kan 45 dae na 'n **Pyrilate EC** toediening in die behandelde boord vrygelaat word.

#### **WEERSTANDSWAARSKUWING**

Vir weerstandsbestuur is **Pyrilate EC** 'n groepkode 7C insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand teen **Pyrilate EC**, of enige ander groepkode 7C insekdoders het. Indien hierdie insekdoders herhaaldelik gebruik word, kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **Pyrilate EC** of enige groepkode 7C insekdoder beheer word nie.

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

- Vermyn die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met, of maak tenkmengsels van, produkte in verskillende insekdodergroepcodes.
- Integreer ander beheermaatreëls (chemies, biologies, verbouing) in insekbeheerprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

#### **GEBRUIKAANWYSINGS**

**Gebruik slegs soos aangedui.**

#### **VERENIGBAARHEID**

**Pyrilate EC** is verenigbaar met Hyper Medium (L. 7355), benomyl 500 WP en Vondozeb (L. 2177). Wanneer **Pyrilate EC** in 'n tenkmengsel met ander aanbevole produkte gebruik word, moet oorweging geskenk word aan die beperkings van die betrokke produkte.

#### **MENGINSTRUKSIES**

Maak die spuittenk halfvol met skoon water. Voeg die korrekte hoeveelheid **Pyrilate EC** by. Maak die spuittenk vol tot by die verlangde volume met water en die benodigde hoeveelheid olie (waar nodig), terwyl daar voortdurend geroer word om deeglike vermenging van die sputmengsel te verseker voordat bespuit word. Roering moet volgehou word terwyl bespuiting plaasvind. **Die tenkmengsel moet onmiddellik uitgespuit word en nie toegelaat word om oornag in die spuittenk te staan nie.** Verseker dat roering plaasvind vir 'n paar minute voor bespuiting hervat word na normale operasionele pouses bv. middagete. Die spuittoerusting moet aan die einde van toediening deeglik uitgewas word.



## AANBEVELINGS

GEWAS / PLAAG	DOSIS PER 100 ℓ WATER	OPMERKINGS
<p><b>SITRUS</b> <b>ROOIDOPLUIS</b> Mpumalanga Laeveld, Limpopo, Noord-Wes, Noord-Kaap</p> <p>A. Roodopluis onder kommersiële beheer.</p> <p><b>Meervoudige toedienings:</b></p> <p><b>Enkeltoediening</b> <b>(Instandhouding)</b></p>	<p><b><u>VOORKOMENDE</u></b> <b><u>BEHANDELING(S):</u></b></p> <p><b>1<sup>ste</sup> Bespuiting:</b> 30 ml <b>Pyriate EC</b> plus 300 ml Hyper Medium</p> <p><b>2<sup>de</sup> Bespuiting:</b> 30 ml <b>Pyriate EC</b> plus 200 ml Hyper Medium</p> <p><b>OF</b></p> <p>30 ml <b>Pyriate EC</b> plus 200 ml Hyper Medium</p>	<p>In hierdie situasie sou daar die vorige somer en met oes baie min tot geen dopluis op die vrugte gewees het en is dit moeilik om lewende dopluis op die takke te kry.</p> <p>Dien toe as 'n volle dekbespuiting sodra kruipers begin beweeg (gewoonlik met blomknopvorming), maar nie vroeër as 15 Augustus nie.</p> <p>Dien toe as 'n volle dekbespuiting tydens 80 – 100% blomblaarval of kort daarna. (5-8 weke na die 1<sup>ste</sup> bespuiting)</p> <p>Die enkeltoediening mag slegs gebruik word na 'n seisoen waar die meervoudige <b>Pyriate EC</b> toediening toegedien was en die resultaat 'n kommersiële skoon boord is.</p> <p>Dien toe as 'n volle dekbespuiting tydens 80-100% blomblaarval of kort daarna. Hierdie toediening mag slegs gebruik word waar geen harde blaaspoetjie middels in die spuitprogram gebruik word nie.</p> <p>Hierdie boorde moet deeglik ondersoek word en waar nodig, met olie in die somer behandel word.</p>
<p><b>B. Dopluis nie onder kommersiële beheer nie.</b></p> <p><b>Doen 3 toedienings.</b></p>	<p><b>1<sup>ste</sup> Bespuiting:</b> 30 ml <b>Pyriate EC</b> plus 300 ml Hyper Medium</p> <p><b>2<sup>de</sup> Bespuiting:</b> 30 ml <b>Pyriate EC</b> plus 200 ml Hyper Medium</p> <p><b>3<sup>de</sup> Bespuiting:</b> 30 ml <b>Pyriate EC</b> plus 300 ml Hyper Medium</p>	<p>In hierdie situasie kan dopluisdruk wissel van matige voorkoms op takke en oes, tot infestasies waar bome in 'n terminale staat van agteruitgang is.</p> <p>Dien toe as 'n volle dekbespuiting sodra kruipers begin beweeg (gewoonlik met blomknopvorming), maar nie vroeër as 15 Augustus nie.</p> <p>Dien toe as 'n volle dekbespuiting tydens 80 – 100% blomblaarval of kort daarna.</p> <p>Dien toe as 'n volle dekbespuiting laat November of Desember. Hierdie bespuiting kan gekombineer word met die benomyl 500 WP bespuiting vir swartvlek beheer. Indien hierdie kombinasie gebruik word moet 500ml Hyper Medium bygevoeg word soos per benomyl 500 WP registrasie.</p>

