

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. SHAKE THE BOTTLE WELL BEFORE USE.

# PYRILATE EC

INSECTICIDE



Reg. No. L7570, Act/Wet No. 36 of/van 1947  
Namibian Reg. No. N-AR 2095

1:06/07/2006-March2022

**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 INSEKDODERGROEPKODE

## ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

**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

**24 HR EMERGENCY NUMBERS:**  
Griffon Poison Information Centre: +27 82 446 8946  
24 Hr Transport / Spill emergency no. Envirosure +27 31 205 4918  
(Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

**5ℓ**

UN Number: 1993



By **WINFIELD<sup>®</sup>**  
**UNITED**



**HARMFUL /  
SKADELIK**



DIRECTIONS FOR USE ENCLOSED

Batch Number

Date of manufacture

REFER TO DETAILS AS PRINTED  
ON CONTAINER / BAG

GEBRUIKSAANWYSINGS INGESLUIT

Lotnummer

Datum van vervaardiging

VERWYS NA BESONDERHEDE  
SOOS OP HOUER / SAK GEDRUK

**PYRILATE EC**

Reg. No. L 7570 / N-AR 2095 Act/Wet No. 36 of/van 1947

IRAC INSECTICIDE GROUP CODE / IRAC INSEKODER GROEPCODE: 7C

**ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:**

pyriproxyfen (phenylether) / piripoksifen (fenieleter).....100 g/l

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

**HARMFUL****SKADELIK****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 soil, 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.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- 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**

- Do not induce vomiting.
- 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.

### **NOTE TO PHYSICIAN**

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

### **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.

### **USE RESTRICTIONS**

Thorough spray coverage of the tree with **PYRILATE EC** is very important because effective control is dependent on scale crawlers coming into contact with residues of the product wherever 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 **PYRILATE 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.

### **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 e.g., lunch break. Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

**RECOMMENDATIONS**

<b>Crop / Pest</b>	<b>Dosage Rate / 100 ℓ Water</b>	<b>Remarks</b>
<b>Citrus</b>  Red scale  <b>Mpumalanga Lowveld, Limpopo, Northwest Province, Northern Cape</b>	<b><u>A. RED SCALES UNDER COMMERCIAL CONTROL</u></b>	
	<b><u>Preventative Applications:</u></b> <b><u>Multiple applications:</u></b>  <b>1<sup>st</sup> Spray:</b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 300 mℓ <b>Hyper Medium</b>	In this situation there would have been negligible scale on fruit the previous summer and at harvest, and live scale will be difficult to find on the tree framework. Apply as a full cover spray as soon as the first crawler movement is noticed, (typically at bud burst), but not earlier than 15 August.
	<b>2<sup>nd</sup> Spray:</b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 200 mℓ <b>Hyper Medium</b>	Apply as a full cover spray at 80 to 100 % petal drop or shortly thereafter. (5 to 8 weeks after 1 <sup>st</sup> spray)
	<p style="text-align: center;"><b>OR</b></p> <b><u>Single application (Maintenance)</u></b>  30 mℓ <b>PYRILATE EC</b> plus 200 mℓ <b>Hyper Medium</b>	This single application can only be used following a season during which <b>multiple</b> applications of <b>PYRILATE EC</b> were made, resulting in a commercial clean orchard. Apply as a full cover spray at 80 to 100 % petal drop or shortly thereafter. This application should only be used where no harsh thripicides are included in the spray programme. These orchards must be carefully scouted and treated with oil in the summer is necessary.
Red scale  <b>Mpumalanga Lowveld, Limpopo, Northwest Province, Northern Cape</b>	<b><u>B. SCALES NOT UNDER COMMERCIAL CONTROL</u></b>	
	<b>1<sup>st</sup> Spray:</b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 300 mℓ <b>Hyper Medium</b>	In this situation Scale density levels can vary from moderate infestation on framework and crop to infestations where trees are in a state of terminal decline. Apply as a full cover spray as soon as the first crawler movement is noticed, (typically at bud burst), but not earlier than 15 August.
	<b>2<sup>nd</sup> Spray:</b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 200 mℓ <b>Hyper Medium</b>	Apply as a full cover spray at 80 to 100 % petal drop or shortly thereafter.
	<b>3<sup>rd</sup> Spray:</b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 300 mℓ <b>Hyper Medium</b>	Apply as a full cover spray late November or December. This application can be combined with the <b>Benomyl 500 WP</b> application for Black spot control. If this combination is used then 500 mℓ <b>Hyper Medium</b> must be used as per <b>Benomyl 500 WP</b> registration.

<b>Crop / Pest</b>	<b>Dosage Rate / 100 ℓ Water</b>	<b>Remarks</b>
<b><u>Citrus</u></b>	<b><u>A. SCALES UNDER COMMERCIAL CONTROL</u></b>	
Red scale  <b><i>Eastern Cape and Western Cape</i></b>	<b><u>1<sup>st</sup> Spray:</u></b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 200 mℓ <b>Hyper Medium</b>	In this situation there would have been negligible Scale on fruit the previous summer and at harvest, and live Scales will be difficult to find on the tree framework. Apply as a full cover spray or as soon as the first crawler movement is noticed, (typically at 80 to 100 % petal drop), or shortly thereafter.
	<b><u>2<sup>nd</sup> Spray:</u></b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 500 mℓ <b>Hyper Medium</b>	Apply as a full cover spray in December or early in January. (5 to 8 weeks after 1 <sup>st</sup> spray).
	<b><u>Followed by:</u></b> 1.5 to 2 mℓ <b>Mospilan SL</b> per m <sup>2</sup> canopy surface area as a <u>stem treatment</u>  (To determine the canopy size correctly see <b>Mospilan SL</b> label)	Apply as a full cover spray or as soon as the first crawler movement is noticed, (typically at 80 to 100 % petal drop), or shortly thereafter. Apply in the first or second week of December. The higher dosage (2 mℓ per m <sup>2</sup> ) will also control Mealy bug. The <b>Mospilan SL</b> withholding period of 150 days must still be possible.
	<b>OR</b>  <b><u>Single application (Maintenance)</u></b>  30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 200 mℓ <b>Hyper Medium</b>	This single application can only be used following a season during which <b>multiple</b> applications of <b>PYRILATE EC</b> were made, resulting in a commercial clean orchard. Apply as a full cover spray at 80 to 100 % petal drop or shortly thereafter. This application should only be used where no harsh thripicides are included in the spray programme. These orchards must be carefully scouted and treated with oil in the summer if necessary.
<b><u>Citrus</u></b>	<b><u>B. SCALES NOT UNDER COMMERCIAL CONTROL</u></b>	
Red scale  <b><i>Eastern Cape and Western Cape</i></b>	<b><u>1<sup>st</sup> Spray:</u></b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 300 mℓ <b>Hyper Medium</b>	In this situation Scale density levels can vary from moderate infestation on framework and crop to infestations where trees are in a state of terminal decline. Apply as a full cover spray in August, or when the first crawler movement is noticed.
	<b><u>2<sup>nd</sup> Spray:</u></b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 200 mℓ <b>Hyper Medium</b>	Apply as a full cover spray at 80 to 100 % petal drop or shortly thereafter.
	<b><u>3<sup>rd</sup> Spray:</u></b> 30 mℓ <b>PYRILATE EC</b> <b>PLUS</b> 500 mℓ <b>Hyper Medium</b>	Apply as a full cover spray in December or January.
<b><u>Mangoes</u></b>	50 mℓ <b>PYRILATE EC</b>	Apply as a single full cover application after flowering in October.
Mango scale		

**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 treetops.
- 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.

**VONDOZEB** is a registered product of / is 'n geregistreerde produk van  
**CROPSERVE (PTY) LTD.**

**HYPER MEDIUM** is a registered product of / is 'n geregistreerde produk van  
**HYPER AGROCHEMICALS (PTY) LTD.**

**MOSPILAN SL (L 5900)** is a registered product of / is 'n geregistreerde produk van  
**NIPPON SODA.**