# List of Indoor Residual Sprays (IRS) That Meet GF QA Requirements for Use Against Malaria Vector

**Edition:** Version 12  
**Date:** 18 July 2019

The list is an overview of WHOPES-recommended insecticide products for Indoor Residual Spraying. It also lists manufacturers whose Health pesticides has been listed by WHO Prequalification Program for Vector Control. The list is developed as a tool to assist Principal Recipients (PR) of Global Fund grants in procurement.

**Important Note**

This list may be used by Principal Recipients of Global Fund grants when considering options with respect to procurement of Indoor Residual Spray. The list aims at providing countries with information that will assist them in their procurement options. Please note that the list is not designed to be a basis for countries to select IRS to replace any applicable and legally required procurement processes. The Global Fund requires its grant recipients to comply with applicable procurement laws and provides the list only for the identification of products/manufacturers that comply with the Global Fund’s requirements. It is important that the product selected is compliant with the GF requirement criteria (refer to GUIDE TO GLOBAL FUND POLICIES ON Procurement and Supply Management: http://www.theglobalfund.org/en/procurement/guide/ page 17 part 7.1) of Health Products. Furthermore, the Principal Recipient should not rely solely on the information provided in the list but should obtain evidence of products compliance with the GF requirements. For the above reasons, we strongly encourage users to ensure they are using the most recent version on our website when conducting procurement.

**Remind**

As per section 6.4 of the Guide to Global Fund Policies on Procurement and Supply Management of Health Products (October 2018) Recipients shall do a randomized pre-shipment sampling and testing to ensure vector control products comply with Global Fund quality assurance requirements. For WHO PQ approved products, pre-shipment sampling and testing can be alleviated.

<table>
<thead>
<tr>
<th>CIPAC name</th>
<th>Formulations</th>
<th>Manufacturer</th>
<th>Commercial Name</th>
<th>Manufacturing site</th>
<th>Manufacturer's Product Code</th>
<th>Pack quantity</th>
<th>Packaging material</th>
<th>Eligibility Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha-Cypermethrin</td>
<td>WP 5%</td>
<td>Tagros Chemicals India Ltd.</td>
<td>RUBY 50 WP</td>
<td>Tagros Chemicals India Private Ltd. A-4/1 &amp; A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India</td>
<td></td>
<td>150 gm</td>
<td>In customized &amp; Bulk Drums</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>WP 10%</td>
<td>Tagros Chemicals India Ltd.</td>
<td>RUBY 100 WP</td>
<td>Tagros Chemicals India Private Ltd. A-4/1 &amp; A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India</td>
<td></td>
<td>150 gm</td>
<td>In customized &amp; Bulk Drums</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>SC 5%</td>
<td>Tagros Chemicals India Ltd.</td>
<td>RUBY 50 SC</td>
<td>Tagros Chemicals India Private Ltd. A-4/1 &amp; A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India</td>
<td></td>
<td>1 Ltr</td>
<td>PET packing. Also packed in customized &amp; Bulk Drum packing</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>SC 10%</td>
<td>Tagros Chemicals India Ltd.</td>
<td>RUBY 100 SC</td>
<td>Tagros Chemicals India Private Ltd. A-4/1 &amp; A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India</td>
<td></td>
<td>1 Ltr</td>
<td>PET packing. Also packed in customized &amp; Bulk Drum packing</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>WG-SB 25%</td>
<td>Tagros Chemicals India Ltd.</td>
<td>RUBI 250 WG-SB</td>
<td>Tagros Chemicals India Private Ltd. A-4/1 &amp; A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India</td>
<td></td>
<td>30 mg</td>
<td>Water-soluble bag</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
</tbody>
</table>

Edition 12 – 18/07/2019 List of IRS classified according to the GF QA Requirements
<table>
<thead>
<tr>
<th>IRS</th>
<th>CAS</th>
<th>Registration Details</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha-Cypermethrin WP 5%</td>
<td>BASF Agro</td>
<td>Fendona 5 WP</td>
<td>Schirm GmbH c/o Lehnkering GmbH, Wendessener Strasse 11c, 38300 Wolfenbüttel, Germany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1. Box with 40 x 0.15kg non water soluble sachet</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Box with 10 x 1 Kg bags</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Bag with 25 kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Drum with 50 kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. 125g sachets Water Soluble Sachet in Plastic Outer (40μ LLDPE &amp; LDPE) 40 x 125g sachets per UN SPEC white carton 6.125g sachets Water Soluble Sachet in Plastic Outer (40μ LLDPE &amp; LDPE) 40 x 150g sachets / UN SPEC white carton 8.150g sachets Water Soluble Sachet in Plastic Outer (40μ LLDPE &amp; LDPE) 200 x 150g sachets / steel drum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(1) Box with non water soluble sachet</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2) Bags in box (3) Bag with 25 kg (4) Drum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Alpha-Cypermethrin SC 10%</td>
<td>BASF Agro</td>
<td>Fendona 10 SC</td>
<td>BASF Agri-Production S.A.S., Z.I. Lyon Nord, Rue Jacquard 73, 69727 Genay Cedex, France</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Filling sachets: Avima, 3131, Chmador, west rand, Johannesburg, South Africa</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(1) 24 x 0.25L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2) 10 x 1L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(3) 2 x 10L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(4) 95L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(1) Bottle packed in box</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2) Bottle packed in box</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(3) Bottle packed in box</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(4) Drum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td></td>
<td>Composition</td>
<td>Manufacturer/Supplier</td>
<td>Formulation</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------</td>
<td>-----------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>SC 6%</td>
<td>BASF Agro</td>
<td>Fendona 6 SC</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>WP</td>
<td>Heranba Industries Limited</td>
<td>No Info available</td>
</tr>
<tr>
<td>Alpha-Cypermethrin</td>
<td>SC</td>
<td>Heranba Industries Limited</td>
<td>No Info available</td>
</tr>
<tr>
<td>Bendiocarb</td>
<td>WP (800 g / kg)</td>
<td>Bayer CropScience</td>
<td>Ficam WP</td>
</tr>
<tr>
<td>Bendiocarb</td>
<td>WP-SB (800 g / kg)</td>
<td>Bayer CropScience</td>
<td>Ficam WP</td>
</tr>
<tr>
<td>Bifenthrin</td>
<td>WP 10%</td>
<td>FMC Corporation</td>
<td>Bistar 10 WP</td>
</tr>
<tr>
<td>Clothianidin 50%</td>
<td>Water dispersible granule (WG)</td>
<td>Sumitomo Chemical Company</td>
<td>SumiShield 50WG</td>
</tr>
<tr>
<td>Clothianidin &amp; Deltamethrin</td>
<td>WP-SB 56.25%</td>
<td>Bayer CropScience</td>
<td>Fludora Fusion</td>
</tr>
<tr>
<td>Cyfluthrin</td>
<td>WP (100 g / kg)</td>
<td>Bayer CropScience</td>
<td>BCS Quart, Germany, BCS Dormagen</td>
</tr>
<tr>
<td>p,p’-DDT</td>
<td>WP 75% (750 mg/kg)</td>
<td>HIL Limited</td>
<td>HIL Limited, Post Rasayani, Dist Raigad, Maharashtra 410 207, India</td>
</tr>
<tr>
<td>Deltamethrin</td>
<td>WP 5% (50 g / kg)</td>
<td>Bayer CropScience</td>
<td>BCS Quart de Poblet, Spain</td>
</tr>
</tbody>
</table>

Edition version 12 – 18/07/2019 List of IRS classified according to the GF QA Requirements
<p>| Deltamethrin | K-Othrine WG250 / Deltagard WG250 | K-Othrine WG250 / Deltagard WG250 | Kwizda, Austria (Bulk), BCS Nigel, South Africa; Iris France; Amatitlan, Guatemala and Agricultura Nacional, Puebla, Mexico (filling) | Depends on country of origin and destination | WHOPES Recommendation - PQ Converted |
| Deltamethrin | SC-PE 6.25% (62.5 g/L) | K-Othrine Polyzone | No Info available | No Info available | WHOPES Recommendation - PQ Converted |
| Deltamethrin | WP 2.5% &amp; 5% | Tagros Chemicals India Ltd. | Chennai | 50010069 | 100gm | Sachet | WHOPES Recommendation |
| Deltamethrin | WG 25% | Tagros Chemicals India Ltd. | Chennai | 50010076 | 25 gm | Sachet | WHOPES Recommendation |
| Deltamethrin | WG-SB 25% w/w | Tagros Chemicals India Ltd. | PALI 250 WG-SB | Tagros Chemicals India Private Limited, A-4/182 Sipcot industrial complex, Pachayankuppam, Cuddalore 607005, Tamilnadu, India. | No Info available | Water dispersible granules in sealed water soluble bag/Trilaminated aluminium pouch | WHOPES Recommendation - PQ Converted |
| Deltamethrin | EW 2% | Tagros Chemicals India Ltd. | SENTRIN 20 EW | Tagros Chemicals India Private Limited, A-4/182 Sipcot industrial complex, Pachayankuppam, Cuddalore 607005, Tamilnadu, India. | No Info available | 100ml, 250ml, 500ml, 1 L &amp; 5 L Emulsion, oil in water, Co-ex and Pet bottles packed in Carton Box | WHOPES Recommendation - PQ Converted |
| Deltamethrin | WP | Heranba Industries Limited | No Info available | No Info available | WHOPES Recommendation |
| Deltamethrin | WG | Heranba Industries Limited | No Info available | No Info available | WHOPES Recommendation |
| Etofenprox | WP 20% - 200 g/Kg | Mitsui Chemicals Agro Inc | Vectron 20 WP, Victor 20 WP; Lenatop 20 WP; Trebon 20 WP | Okayama, Aichi, Ratchburi | Japan, Thailand | 100g, 200g, 250g, 300g | Aluminium laminated sachet | WHOPES Recommendation - PQ Converted |
| Lambda- Cyhalothrin | WP 10% | Tagros Chemicals India Ltd. | Chennai | 50080014 | 62.5gm | Pouch | WHOPES Recommendation |
| Lambda- Cyhalothrin | CS 10% | Tagros Chemicals India Ltd. | REVIVAL 100 CS | Tagros Chemicals India Private Limited, A-4/182 Sipcot industrial complex, Pachayankuppam, Cuddalore 607005, Tamilnadu, India. | 50080005 | 62.5ml, 500ml &amp; 1 liter | Capsule suspension, Metalized Pouch (62.5ml), PET bottle(500 ml) packed in Carton Box, Co-ex bottle (1 liter) packed in Carton Box | WHOPES Recommendation - PQ Converted |</p>
<table>
<thead>
<tr>
<th>Lambda-Cyhalothrin</th>
<th>WP (100g/L)</th>
<th>Syngenta Crop Protection AG</th>
<th>ICON WP</th>
<th>Syngenta Proteção de Cultivos Ltda Paulinia - SP - Factory Rodovia SP 332 – km 130 Zona industrial - Paulinia – SP Caixa Postal - 8 13140-000 Paulinia, SP Brazil</th>
<th>A12684L / A12684A</th>
<th>62.5g unit dose sachet</th>
<th>Sachet</th>
<th>WHOPES Recommendation - PQ Converted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lambda-Cyhalothrin</td>
<td>CS (100g/lit)</td>
<td>Syngenta Crop Protection AG</td>
<td>ICON 10 CS</td>
<td>Syngenta Chemicals B.V., Rue de Tyberchamps 37, 7180 Seneffe, Belgium</td>
<td>A12690A / A12690P</td>
<td>62.5ml unit dose 12 x 10 x unit doses per shipping box</td>
<td>Boxes</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Lambda-Cyhalothrin</td>
<td>CS 2.5%</td>
<td>Jiangsu Yangnong Chemical Co</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>WHOPES Recommendation</td>
</tr>
<tr>
<td>Lambda-Cyhalothrin</td>
<td>CS 7.5%</td>
<td>Jiangsu Yangnong Chemical Co</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>WHOPES Recommendation</td>
</tr>
<tr>
<td>Lambda-Cyhalothrin</td>
<td>WP 10%</td>
<td>Jiangsu Yangnong Chemical Co</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>No Info available</td>
<td>WHOPES Recommendation</td>
</tr>
<tr>
<td>Pirimiphos-Methyl</td>
<td>EC (500g/L)</td>
<td>Syngenta Crop Protection AG</td>
<td>Actellic 50EC</td>
<td>Cheminova A/S, Thyboronvej 78, DK-7673, Harboore, Denmark</td>
<td>A5832C</td>
<td>1l unit dose bottle, 12 x 1l bottles in shipping box</td>
<td>Bottle in Boxes</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Pirimiphos-Methyl</td>
<td>CS (300g/L)</td>
<td>Syngenta Crop Protection AG</td>
<td>Actellic 300CS</td>
<td>Syngenta Chemicals B.V., Rue de Tyberchamps 37, 7180 Seneffe, Belgium</td>
<td>No Info available</td>
<td>833ml unit dose bottle, 12 x 833ml in shipping box</td>
<td>Bottle in Boxes</td>
<td>WHOPES Recommendation - PQ Converted</td>
</tr>
<tr>
<td>Propoxur</td>
<td>WP-SB 50%</td>
<td>Tagros Chemicals India Limited</td>
<td>PROSPUR 500WP-sb</td>
<td>Tagros Chemicals India Private Ltd. A-4/1 &amp; A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India</td>
<td>Box with 10 x 100gm water soluble sachet</td>
<td>Water soluble bag/Tri laminated aluminium pouch</td>
<td>WHOPES Recommendation</td>
<td></td>
</tr>
</tbody>
</table>

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*The List is not exhaustive. Only products for which The Global Fund received information/confirmation from the manufacturers have been listed. The other products that meet WHOPES specifications and/or which are prequalified will be listed and the list will be updated regularly based on evidence received by the Global Fund.*