



## LIST OF INDOOR RESIDUAL SPRAYS (IRS) THAT MEET GF QA REQUIREMENTS FOR USE AGAINST MALARIA VECTOR

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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 par 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.**

### REMINDER

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.

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

Alpha-Cypermethrin	WP 5%	BASF Agro	Fendona 5 WP	Schirm GmbH c/o Lehnkering GmbH, Wendessener Strasse 11c, 38300 Wolfenbuettel, Germany	Fendona 5 WP	<p>1. Box with 40 x 0.15kg non water soluble sachet</p> <p>2. Box with 10 x 1 Kg bags</p> <p>3. Bag with 25 kg</p> <p>4. Drum with 50 kg</p> <p>5. 125g sachets Water Soluble Sachet in Plastic Outer (40µ LLDPE &amp; LDPE) 40 x 125g sachets per UN SPEC white carton</p> <p>6. 125g sachets Water Soluble Sachet in Plastic Outer (40µ LLDPE &amp; LDPE) 200 x 125g per steel drum</p> <p>7. 150g sachets Water Soluble Sachet in Plastic Outer (40µ LLDPE &amp; LDPE) 40 x 150g sachets / UN SPEC white carton</p> <p>8. 150g sachets Water Soluble Sachet in Plastic Outer (40µ LLDPE &amp; LDPE)</p>	<p>(1) Box with non water soluble sachet</p> <p>(2) Bags in box (3) Bag with 25 kg (4) Drum</p>	WHOPES Recommendation - PQ Converted
Alpha-Cypermethrin	SC 10%	BASF Agro	Fendona 10 SC	<p>BASF Agri-Production S.A.S., Z.I. Lyon Nord, Rue Jacquard 73, 69727 Genay Cedex, France</p> <p>Filling sachets: Avima, 3131, Chmador, west rand, Johannesburg,</p>		<p>(1) 24 x 0.25L</p> <p>(2) 10 x 1L</p> <p>(3) 2 x 10L</p> <p>(4) 185L</p>	<p>(1) Bottle packed in box</p> <p>(2) Bottle packed in box</p> <p>(3) Bottle packed in box</p> <p>(4) Drum</p>	WHOPES Recommendation - PQ Converted

Alpha-Cypermethrin	SC 6%	BASF Agro	Fendona 6 SC	BASF Agri-Production S.A.S., Z.I. Lyon Nord, Rue Jacquard 73, 69727 Genay Cedex, France  Filling sachets: Avima,3131, Chmador, west rand, Johannesburg, South Africa		(1) 24 x 0.25L (2) 10 x 1L (3) 2 x 10L (4) 185L (5) 1000 x 6ml (6) 1000 x 6ml +2 disposable gloves+leaflet (7) 10 x 8ml+2 disposable gloves+leaflet (8) 1000 x 7ml	(1)Bottle packed in Box (2)Bottle packed in Box (3)Bottle packed in Box (4)Drum (5)PET sachet packed in UN Spec white carton (6)Sachet packed in double bag kit- packed in UN Spec white carton (7)Sachet packed in double bag kit- packed in UN Spec white carton (8)PET sachets packed in UN Spec white carton	WHOPES Recommendation - PQ Converted
Alpha-Cypermethrin	WP	Heranba Industries Limited		No Info available	No Info available	No Info available	No Info available	WHOPES Recommendation
Alpha-Cypermethrin	SC	Heranba Industries Limited		No Info available	No Info available	No Info available	No Info available	WHOPES Recommendation
Bendiocarb	WP (800 g/kg)	Bayer CropScience	Ficam WP	BCS Quart de Poblet Spain. BCS Nigel, South Africa	Depends on country of origin and destination	62.5 g, 100 g or 125 g sachets.	Tear-and-pour foil sachets (120 x 125g)	WHOPES Recommendation
Bendiocarb	WP-SB 80% (800 g/kg)	Saerfu (Henan) Agrochemical Co.	FastM	Saerfu (Henan) Agrochemical Co., High and New Technology Industrial Area, Mengzgou City, Henan Province 454750 China	No Info available	10g -1000g	Water soluble bags in aluminum foil	WHOPES Recommendation – PQ Converted
Bifentrin	WP 10%	FMC Corporation	Bistar 10 WP	FMC India Private Ltd Plot No. C53, Block G Bandra Kurla Complex, Bandra Mumbai-400 098		No Info available	No Info available	WHOPES Recommendation - PQ Converted
Clothianidin 50%	Water dispersible granule (WG)	Sumitomo Chemical Company	SumiShield 50WG	Sumika Agro Manufacturing Co. Ltd 1-3 Higash-kaigan—dori ,Kudamatsu-shi, Yamaguchi-ken 744-0002, Japan  SC Environmental Sciences Co. Ltd 312, Aoyama aza Hirose,Yoka, Yabu, Hyogo, 667-0001, Japan  OITA General Service Co. Ltd 2200, Tsurusaki,Oita,Oita 870-0106 Japan		150g	Aluminium laminated bag	WHO PQ approved 001-001
Clothianidin 50%	Water dispersible granule (WG)	Tagros Chemicals India Ltd.	Klypson 500WG	Jhaver Centre", Rajah Annamalai Building, IV Floor 72, Marshalls Road, Egmore, Chennai - 600 008, Tamil Nadu, India		150g	Metalized/Aluminium pouch	WHO-PQ approved 004-019
Clothianidin & Deltamethrin	WP 56.25% (500 g/kg clothianidin + 62.5 g/kg deltamethrin)	Bayer CropScience	Fludora Fusion	BCS Quart de Poblet, Spain  BCS, Nigel South Africa	Spec No: 102000029963	80 g and 100 g	Multi-layer foil/PE sachet in cardboard carton  (80g x130)  (100g x 130)	WHO-PQ approved 008-006

Clothianidin & Deltamethrin	WP-SB 56.25% (500 g/kg clothianidin + 62.5 g/kg deltamethrin)	Tagros Chemicals India Pvt. Ltd.	2GARD	Tagros Chemicals India Private Ltd. A-4/1 & A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India		80 g and 100 g	Metalized/aluminium pouch	WHO-PQ approved 004-018
Cyfluthrin	WP (100 g / kg)	Bayer CropScience		BCS Quart, Germany, BCS Dormagen	Depends on country of origin and destination	100 g	Aluminium tear and pour foil sachets	WHOPES Recommendation
p,p'-DDT	WP 75% (750 mg/kg)	HIL Limited		HIL Limited, Post Rasayani, Dist Raigad, Maharashtra 410 207, India		670 gm	Trilaminated Pouch	WHOPES Recommendation
Deltamethrin	WP 5% (50 g / kg)	Bayer CropScience		BCS Quart de Poblet, Spain	Depends on country of origin and destination	80 g, 85 g, 100 g and 125 g	Sachet	WHOPES Recommendation
Deltamethrin	WG 25% (250 g / kg)	Bayer CropScience	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	20g,25 g	Sachets (150 x20g) in a carton	WHOPES Recommendation - PQ Converted
Deltamethrin	WG-SB 25% (250 g / kg)	Bayer CropScience	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	20 g & 25 g	Alu/PE sachets	WHOPES Recommendation
Deltamethrin	SC-PE 6.25% (62.5 g/L)	Bayer CropScience	K-Othrine Polyzone	No Info available	No Info available	No Info available	No Info available	WHOPES Recommendation - PQ Converted
Deltamethrin	WP 2.5% & 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-4/1&2 Sipcot industrial complex, Pachayankuppam, Cuddalore 607005, Tamilnadu, India.	No Info available	20 & 25 mg	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-4/1&2 Sipcot industrial complex, Pachayankuppam, Cuddalore 607005, Tamilnadu, India.	No Info available	100ml ,250ml, 500ml, 1 L & 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	No Info available	No Info available	WHOPES Recommendation

Deltamethrin	WG	Heramba Industries Limited		No Info available	No Info available	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-4/1&2 Sipcot industrial complex, Pachayankuppam, Cuddalore 607005, Tamilnadu, India.	50080005	62.5ml, 500ml & 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
Lambda-Cyhalothrin	WP (100g/L)	Syngenta Crop Protection AG	ICON WP	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	A12684L / A12684A	62.5g unit dose sachet	Sachet	WHOPES Recommendation - PQ Converted
Lambda-Cyhalothrin	CS (100g/lit)	Syngenta Crop Protection AG	ICON 10 CS	Syngenta Chemicals B.V., Rue de Tyberchamps 37, 7180 Seneffe, Belgium	A12690A / A12690P	62.5ml unit dose 12 x 10 x unit doses per shipping box	Boxes	WHOPES Recommendation - PQ Converted
Lambda-Cyhalothrin	CS 2.5%	Jiangsu Yangnong Chemical Co	No Info available	No Info available	No Info available	No Info available	No Info available	WHOPES Recommendation
Lambda-Cyhalothrin	CS 7.5%	Jiangsu Yangnong Chemical Co	No Info available	No Info available	No Info available	No Info available	No Info available	WHOPES Recommendation
Lambda-Cyhalothrin	WP 10%	Jiangsu Yangnong Chemical Co	No Info available	No Info available	No Info available	No Info available	No Info available	WHOPES Recommendation
Pirimiphos-Methyl	EC (500g/L)	Syngenta Crop Protection AG	Actellic 50EC	Cheminova A/S, Thyboronvej 78, DK-7673, Harboore, Denmark	A5832C	1l unit dose bottle. 12 x 1L bottles in shipping box.	Bottle in Boxes	WHOPES Recommendation - PQ Converted
Pirimiphos-Methyl	CS (300g/L)	Syngenta Crop Protection AG	Actellic 300CS	Syngenta Chemicals B.V.,Rue de Tyberchamps 37,7180 Seneffe, Belgium	No Info available	833ml unit dose bottle. 12 x 833ml in shipping box.	Bottle in Boxes	WHOPES Recommendation - PQ Converted
Propoxur	WP-SB 50%	Tagros Chemicals India Limited	PROSPUR 500WP-sb	Tagros Chemicals India Private Ltd. A-4/1 & A-4/2, SIPCOT Industrial Complex, Pachayankuppam, Cuddalore-607 005 Tamilnadu, India		Box with 10 x 100gm water soluble sachet	Water soluble bag/Tri laminated aluminium pouch	WHOPES Recommendation

**LIST OF DELISTED PRODUCTS**  
**Not eligible for procurement with the Global Fund resources**

Clothianidin & Deltamethrin	WP-SB 56.25%	Bayer CropScience	Fludora Fusion	BCS Quart de Poblet, Spain BCS, Nigel South Africa	Spec No: 102000030433	80 g and 100 g	Water soluble sachet in multilayer foil/PE outer sachet	WHO-PQ approved 008-006
Bendiocarb	WP-SB (800 g/kg)	Bayer CropScience	Ficam WP	BCS Quart de Poblet Spain. BCS Nigel, South Africa		62.5 g, 100 g or 125 g sachets.	Water soluble sachets in outer alu foil sachet.	WHOPES Recommendation – PQ Converted

**Recommendations:**

1. Based on quality signals received for soluble bags formulations, The Global Fund advises Grant Recipients to procure non-soluble bags formulations as per QA notice 2021\_03
2. Grant Recipients should consider increasing the sample size for QC testing for newly listed products **(marked in yellow)**

**Disclaimer:**

The Global Fund does not endorse or warrant the fitness of any product on the List, including in regard of its safety and/or efficacy. In addition, the Global Fund assumes no responsibility for any misstatement or omission from the list and directs Principal Recipients of Global Fund grants to conduct their own independent confirmation that the information on a given product on the list is accurate before relying on it to make a purchase order for that product, and to ensure that any purchase is in compliance with all the requirements of the Global Fund's requirements. The Global Fund does not warrant or represent that the products listed have obtained regulatory approval for use in any particular country of the world, or that their use is otherwise in accordance with the national laws and regulations of any country, including, but not limited to, intellectual property laws. The Global Fund disclaims any and all liability and responsibility for any injury, death, damage or loss of any kind whatsoever that may arise as a result of, or in connection with the procurement, distribution and use of any product included in the list.

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2. Global Fund does not furthermore warrant or represent that:
  - a) the list is complete or error free; and/or that
  - b) the products listed have obtained regulatory approval for use in the country, or that their use is in accordance with the national laws and regulations of any country, including but not limited to patent laws.

**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.**