REPORT OF THE SEVENTEENTH WHOPES Working Group Meeting

WHO/HQ, GENEVA 15–19 SEPTEMBER 2014

Review of: ALPHACYPERMETHRIN 250 WG-SB ICON MAXX NETPROTECT LN CHLORFENAPYR 240 SC





World Health Organization

REPORT OF THE SEVENTEENTH WHOPES WORKING GROUP MEETING

WHO/HQ, GENEVA 15–19 SEPTEMBER 2014

REVIEW OF:

ALPHACYPERMETHRIN 250 WG-SB ICON MAXX NETPROTECT LN CHLORFENAPYR 240 SC



CONTROL OF NEGLECTED TROPICAL DISEASES WHO PESTICIDE EVALUATION SCHEME WHO Library Cataloguing-in-Publication Data

Report of the seventeenth WHOPES working group meeting: WHO/HQ, Geneva, 15-19 September 2014: review of Alpha-cypermethrin 250 WG-SB, Icon maxx, Netprotect LN, Chlorfenapyr 240 SC.

1.Malaria - prevention and control. 2.Mosquito Control. 3.Pyrethrins - pharmacology. 4.Nitriles. 5.Insecticides. 6.Bedding and Linens. 7.Insecticide-Treated Bednets. I.World Health Organization. II.WHO Pesticide Evaluation Scheme. Working Group. Meeting (17th: 2014: Geneva, Switzerland)

ISBN 978 92 4 150803 2

(NLM classification: QX 600)

© World Health Organization 2014

All rights reserved. Publications of the World Health Organization can be obtained from WHO Press, World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland (tel.: +41 22 791 3264; fax: +41 22 791 4857; e-mail: <u>bookorders@who.int</u>).

Requests for permission to reproduce or translate WHO publications – whether for sale or for non-commercial distribution – should be addressed to WHO Press at the above address (fax: +41 22 791 4806; e-mail: permissions@who.int).

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by the World Health Organization in preference to others of a similar nature that are not mentioned. Errors and omissions excepted, the names of proprietary products are distinguished by initial capital letters.

All reasonable precautions have been taken by the World Health Organization to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either express or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization be liable for damages arising from its use.

The recommendations of the World Health Organization Pesticide Evaluation Scheme (WHOPES) are intended to facilitate the registration and use of the evaluated products by the Member States of the World Health Organization. A recommendation or interim recommendation concerning a specific product means that the World Health Organization has evaluated that product in laboratory and field trials and that the product was found to meet the criteria and requirements of the World Health Organization.

For long-lasting insecticidal mosquito nets (LNs), the World Health Organization may – pending the completion of long-term studies that may be required to fully evaluate such LNs and subject to certain conditions being met – issue an interim recommendation for the use of such LNs for prevention and control of malaria.

A recommendation or interim recommendation does not imply any approval by the World Health Organization of the product in question (which is the sole prerogative of national authorities).

Such a recommendation or interim recommendation does not, furthermore, constitute any assurance by the World Health Organization that the manufacture, distribution, sale and/or use of the product in question is in accordance with the national laws and regulations of any country, including, but not limited to, patent law.

The recommendations and interim recommendations included in this publication may not be used by manufacturers, suppliers or any other parties for commercial or promotional purposes. Manufacturers are, however, permitted to discreetly mention the outcome of the WHOPES evaluation in non-commercial material which is addressed to national public health professionals and/or pesticide registration authorities only (that is, through a statement that the product in question was found to have been manufactured in accordance with the applicable specification recommended by the World Health Organization).

A recommendation or interim recommendation does not constitute an endorsement, or warranty of the fitness, by the World Health Organization of any product for a particular purpose, nor does such a recommendation or interim recommendation constitute the expression of any opinion whatsoever about the product's suitability for the control of any given pest, or for use in any particular geographical area.

WHO/HTM/NTD/WHOPES/2014.3

CONTENTS

	Page		
1.	INTRODUCTION		
2.	REVIEW OF ALPHACYPERMETHRIN 250 WG-SB 4		
	2.1 Safety assessment 4		
	2.2 Efficacy – WHOPES-supervised trials6		
	2.3 Conclusions and recommendations8		
3.	REVIEW OF ICON MAXX LONG-LASTING NET TREATMENT		
	3.1 Efficacy – WHOPES supervised trials		
	3.2 Conclusions and recommendations		
4.	RE-EVALUATION OF NETPROTECT LN		
	4.1 Efficacy – Phase III (large-scale) field trial reports submitted by the manufacturer		
	4.2 Conclusions and recommendations		
5.	RE-EVALUATION OF CHLORFENAPYR 240 SC 35		
	5.1 Efficacy – dataset submitted by the manufacturer		
	5.2 Conclusions and recommendations		
6.	GENERAL DISCUSSION 41		
	6.1 Improving data quality through standard operating procedures and GEP/GLP criteria		
	6.2 WHOPES procedures 42		
	6.3 Standard databases 42		
	6.4 Semi-field systems for Phase II evaluation of pesticide products43		
	6.5 New guidelines under development		

	6.6	Long-lasting insecticidal nets: testing and evaluation	45
ANNE	EXES		48
1.	LIST	OF PARTICIPANTS	48
2.	REFE	RENCES	50



https://www.yunbaogao.cn/report/index/report