

IVCC
Stakeholder meeting 2023

VECTRON™ T500

An **INNOVATION** and **PARTNERSHIP**
in malaria eradication for people and society

3rd October 2023



Mitsui Chemicals Group



- Traces its roots back to 1912 and the Mitsui coal mines.
- Over 100 years' experience in the chemical industry
- Consolidated sales in FY2021 1,613 Bn. Yen (19 Bn. USD)



MITSUI CHEMICALS CROP & LIFE SOLUTIONS

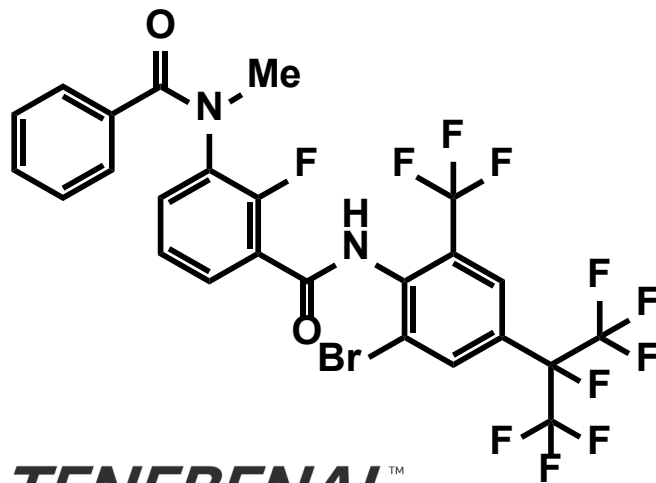
- In 1921 started Agrochemical business
- R & D driven company with global presence
- Company name changed from Mitsui Chemicals Agro, on Mar. 2023.



VECTRON™ T500

A wettable powder formulation
for vector control in Public Health

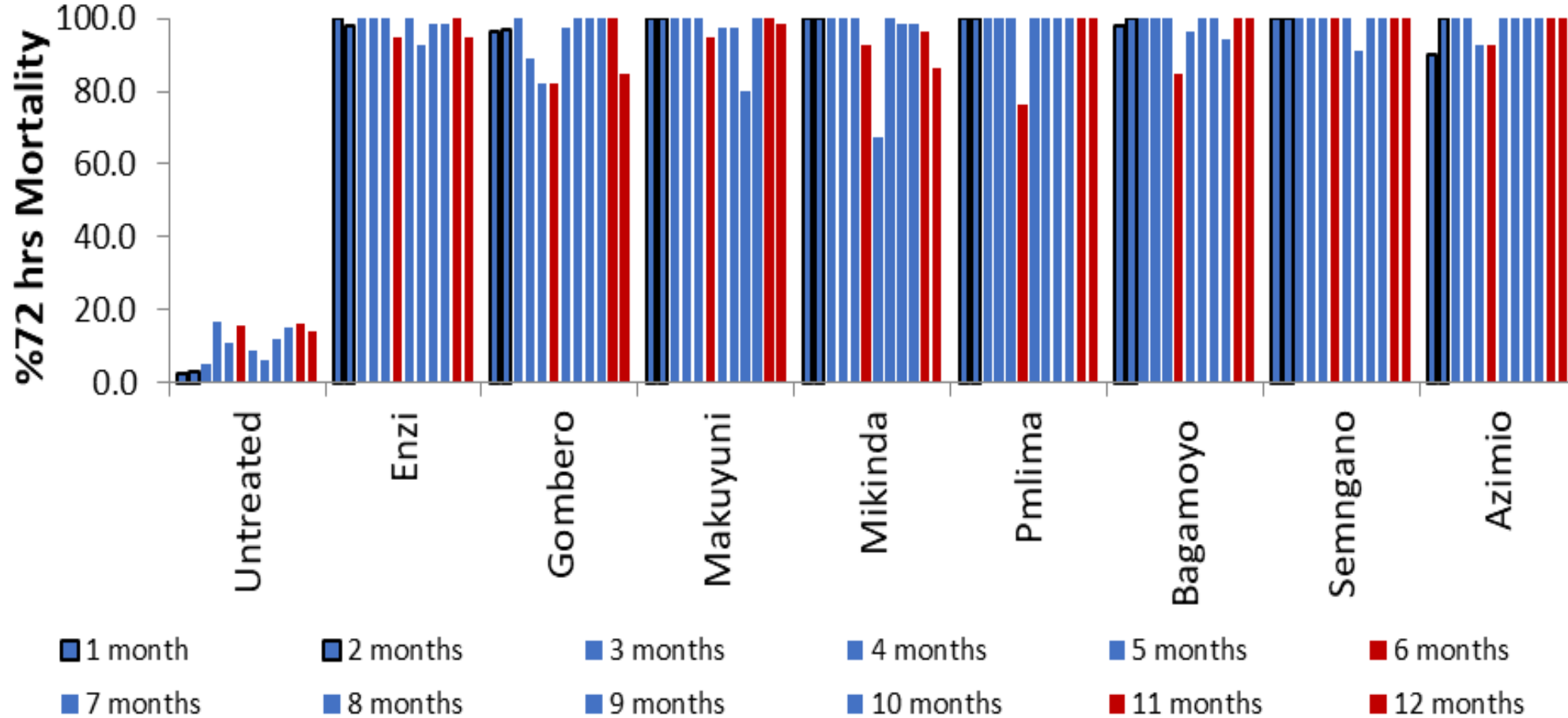
Active Ingredient	TENEBENAL™ TECHNOLOGY
Formulation Type	Wettable Powder
Concentration	50 %
Dose Rate	100 mg a.i./ m ²
Packaging	50 g sachets



TENEBENAL™
TECHNOLOGY

Chemical Class	Meta – diamides
Mode of Action	GABA-gated chloride channel allosteric modulators IRAC Group 30
ISO Name	broflanilide
Chemical Name	<i>N</i> -[2-bromo-4-(perfluoropropan-2-yl)-6-(trifluoromethyl)phenyl]-2-fluoro-3-(<i>N</i> -methylbenzamido)benzamide)

72-hour mortality tested in 30 min WHO cone bioassays on walls of huts , study conducted 2021-2022



Blue bar
Susceptible *An. gambiae* (Kisumu)

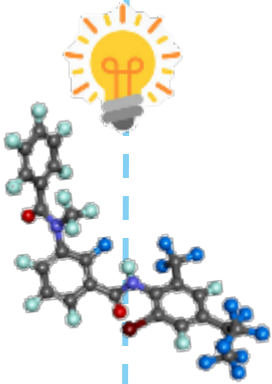
Red bar

- 6th month F1 field resistant *An. gambiae* s.l. was used
- 11th and 12th month Resistant *An. gambiae* s.s (Muleba-kis) was used.

Relationship between MCCLS and IVCC

2007

Discovered TENE BENAL™ (broflanilide)



2012

Collaboration



2019

VECTRON™ T500

Preliminary efficacy studies

Pre-Development



- Data generation
- Tox, Phys & Chem data

Full Development



2021

PQ review of VECTRON T500 dossier

PQ Submission

Registration activity in countries

Country Registration

2023

PQ Listing

11th Mar. 2023

Marketing activity in countries

Market Access





VECTRON T500

Product Identification

Product Type:	
PQT/VC Ref Number:	
Applicant:	
Other Names:	
Active Ingredient/Synergist:	
Concentration:	
Formulation Type:	
Supporting WHO Recommendations:	

Prequalification Status

Status of Prequalification:	Active
Date of Prequalification:	11 Mar 2023
Basis of Listing:	

WHO Prequalification Unit – Vector Control Product Assessment (PQT-VCP) Vector Control Product Assessment (VCP) Prequalification – Letter of Prequalification
PQ Reference Number: P-03226
Application Number: PQ-VCP-2021-0137

Thank you for your submission that was received on 30 September 2021 and accepted for assessment on 11 November 2021 expressing Mitsui Chemicals Agro, Inc.'s interest to participate in the procedures for prequalification of vector control products. The review of your company's product dossier for:

- VECTRON T500 - PQ Ref P-03226

has been completed and it has been found to meet the norms and standards recommended by the World Health Organization (WHO) for indoor residual spray products and is acceptable, in principle, for procurement by the United Nations (UN) and other international agencies and countries.

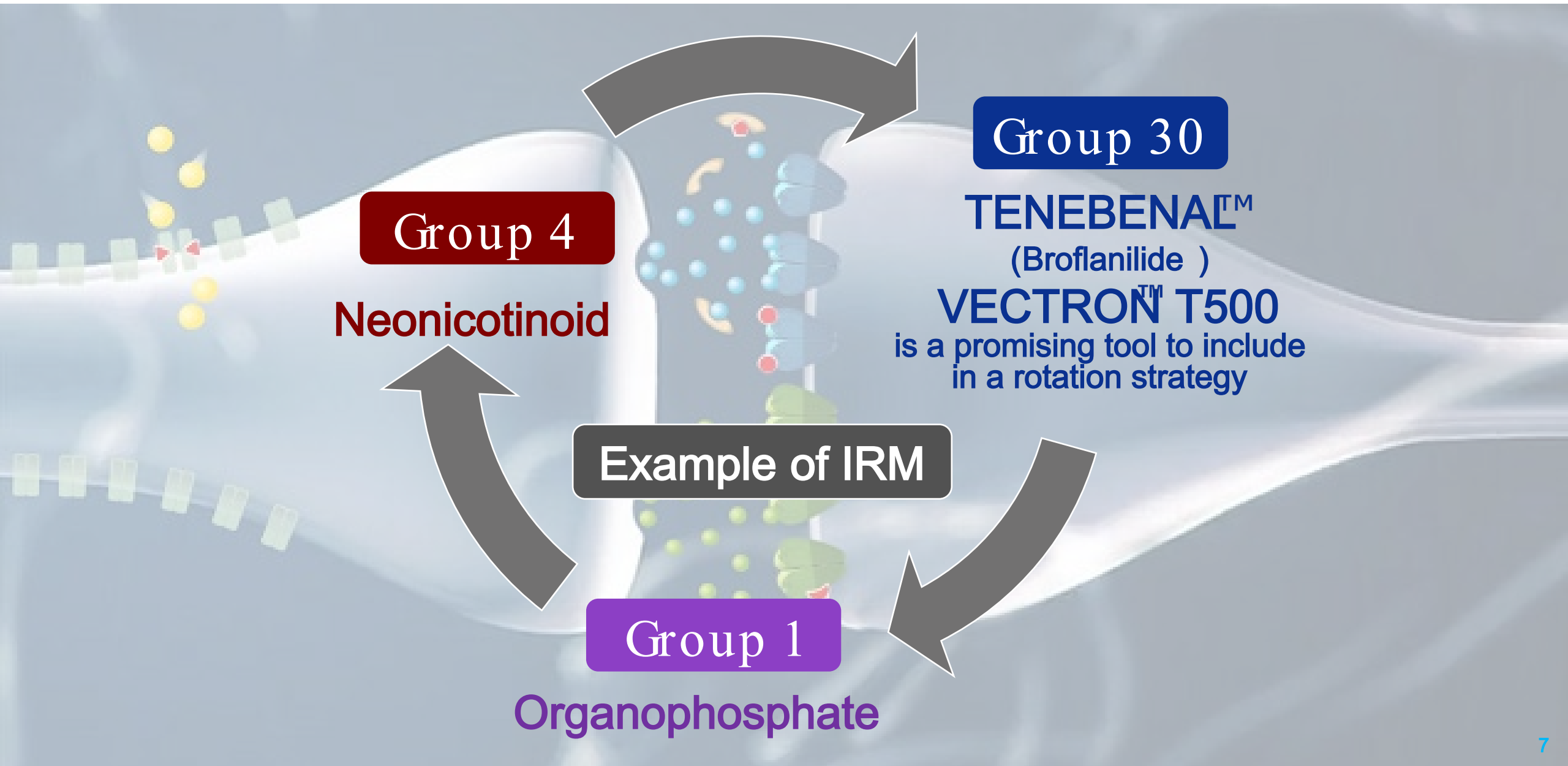
This conclusion is based on information available to WHO at the current time, i.e. the information in the submitted dossier and on the status of ISO 9001 Certification at the facilities used for the manufacture of the product. Please note, however, that this decision may change based on new information that may become available to us. Therefore, the product will now be included on the list of vector control products, which are considered to be acceptable, in principle, for procurement by UN and other international agencies and countries. This list is published by WHO at <https://extranet.who.int/pqweb/vector-control-products>.

Please note that inclusion on the list cannot be construed as WHO approval or endorsement, and does not necessarily mean that the listed products will actually be procured from the suppliers mentioned. The list, and the WHO name, emblem and/or acronym may not, furthermore, be used by the applicants, manufacturers, suppliers or any other parties for commercial or promotional purposes.

The applicants and the manufacturers of prequalified products are required to communicate to WHO details of any changes in manufacture or control that may have an impact on the safety, efficacy and/or quality of the product.

11 Mar 2023
 Organisation mondiale de la Santé • منظمة الصحة العالمية • 世界卫生组织
 Prequalified by • Всемирная организация здравоохранения • Organización Mundial de la Salud

VECTRON™ T500
was WHO
prequalified
In 11th March 2023

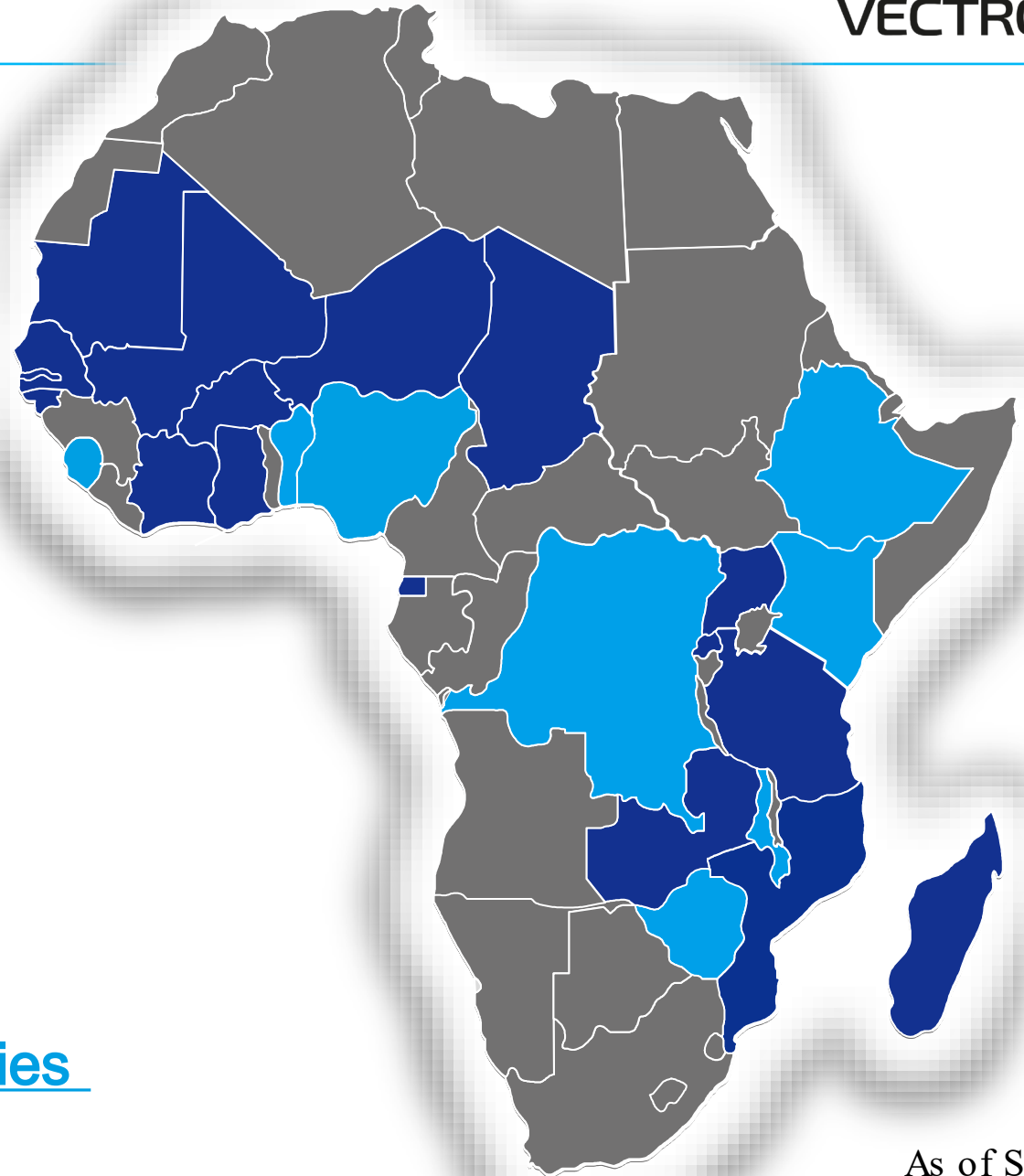


■ Registered / Possible to use

Burkina Faso / Cabo Verde /
Chad / Cote d'Ivoire /
Equatorial Guinea / Gambia /
Guinea Bissau / Ghana /
Madagascar / Mali / Mauritania /
Mozambique / Niger / Rwanda /
Tanzania / Senegal / Uganda /
Zambia 18 countries

■ Under development

Benin / DRC / Ethiopia / Kenya /
Malawi / Nigeria / Sierra Leone /
Zimbabwe 8 more countries



Acknowledgements



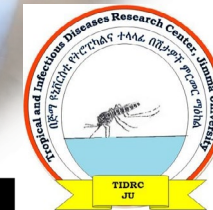
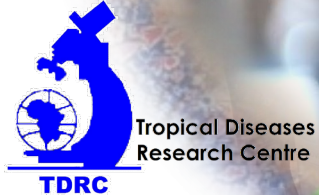
BILL & MELINDA
GATES foundation



LONDON
SCHOOL OF
HYGIENE
& TROPICAL
MEDICINE



envu™



Making home safer

Homes should be a safe place to live.

Treating homes with VECTRON™ T500 will help prevent diseases such as malaria and protect all who live there.

A home to grow our family and future.



MITSUI CHEMICALS
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