



HIL (INDIA) LIMITED

SWACHHTA PAKHWADA

01/09/2021 to 15/09/2021

“SAFE USAGE OF INSECTICIDES AT HOME”



About HIL



Incorporated in 1954.

Three Manufacturing Units – Rasayani (Maharashtra), Udyogamandal (Kerala), and Bathinda (Punjab)

Six Regional Sales Offices – Ahmedabad, Bangalore, Coimbatore, Gurugram, Hyderabad, and Kolkata.

Business Segments – Public Health, Agrochemical, Seeds, and Fertilizers.

Business Segments

Public Health

- DDT
- Malathion
- LLIN

Agrochemical

- Insecticides – Imida, CPP, Malathion, MCP, etc.
- Fungicides – Mancozeb, Carbendazim, etc
- Herbicides – Pendimethalin, Glyphosate, etc.
- Bio-Pesticides – Pseudomonas, Trichoderma





Business Segments



Fertilizer

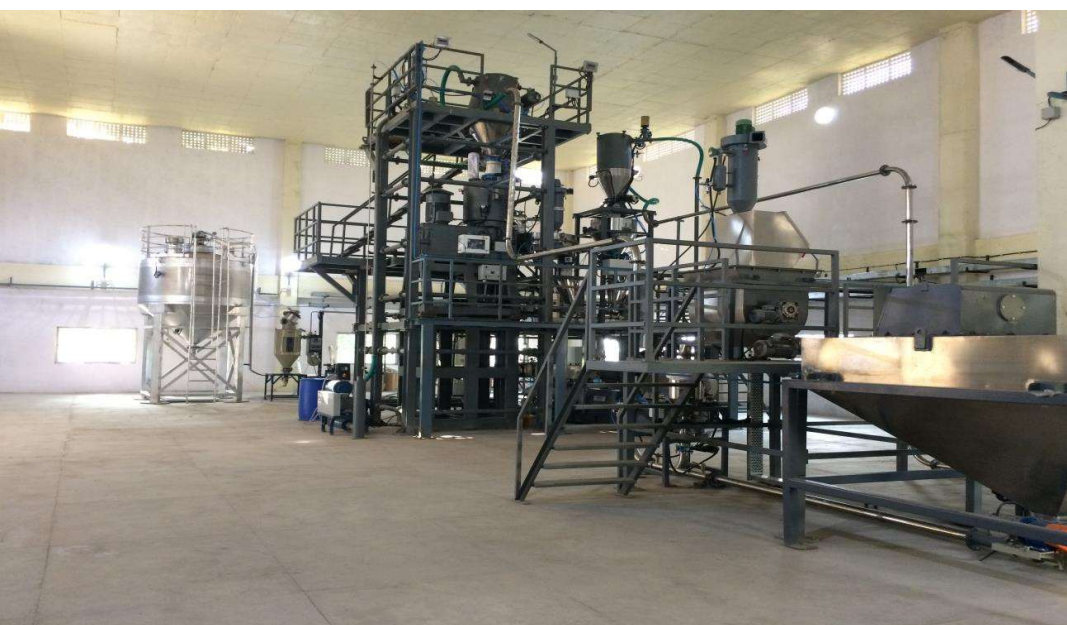
- Traded products (NFL, FACT, IFFCO Fertilizer)
- Water Soluble Fertilizer (Own manufactured)

Seeds

- Own Production (Oil-seed, Pulses & Field crop)
- Marketing

Export

- DDT
- Agrochemicals
- LLIN





Manufacturing Units





Rasayani Unit



Unit	Products	Capacity/annum (MT/KL)	Category
Rasayani (Maharashtra) Set up in 1977	DDT	10000	Public Health
	LLIN	5 Million nets	Public Health
	Malathion	1800	Public Health & Insecticide
	Monocrotophos	300	Insecticide
	Buprofezin / Chlorpyriphos	600	Insecticide
	Imidacloprid	300	Insecticide
	HILGOLD (N:P:K 19:19:19 & 13:0:45)	1500	100% Water Soluble Fertilizer





Udyogamandal Unit



Unit	Products	Capacity/annum (MT/KL)	Category
Udyogamandal (Kerala) Set up in 1957	Mancozeb	2000	Insecticide
	Glyphosate	500	Herbicide
	Pendimethalin	1000	Herbicide
	Formulations	1000	Insecticides/ Herbicide
	HILGOLD (N:P:K 19:19:19)	1000	100% Water Soluble Fertilizer





Bathinda Unit



Unit	Products	Capacity/annum (MT/KL)	Category
Bathinda (Punjab)	Liquid Formulation	1000	Insecticides/ Herbicide/ Fungicide
	Solid Formulation	500	
	Granular Formulation	500	
Set up in 2003	HILGOLD (N:P:K 19:19:19 & 13:0:45)	1500	100% Water Soluble Fertilizer
	Seed Processing Plant	5000	Seed grading



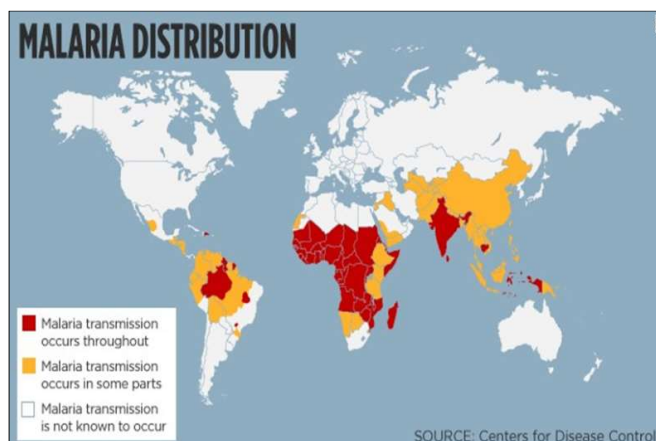
INSECTICIDES FOR INDOOR USE



VBD – Global Perspective



- Vector Borne Diseases (VBD) like Malaria, Dengue, Chikungunya, Kala-azar, JE etc continues to be a big challenge for health programs.
- Malaria is a leading cause of death and disease in many developing countries.
- As per WHO's World Malaria Report (2015) about 3.2 billion people (half the world's population) live in areas of malaria transmission in 106 countries.
- Worldwide young children (<5 years) and pregnant women mostly affected.



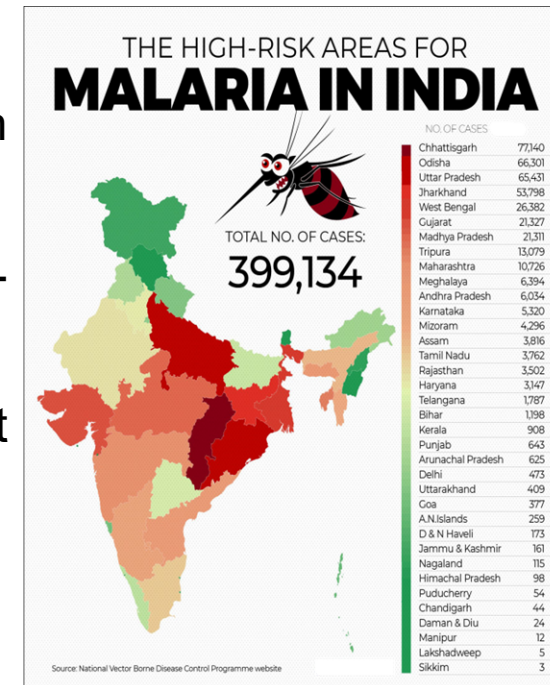
INSECTICIDES FOR INDOOR USE



VBD – Indian perspective



- About 4 million malaria cases and 1000 deaths reported in 2019.
- India contributes 70% of malaria cases and 69% malaria deaths in the South-East Asia Region
- Dengue is a mosquito-borne viral infection, found in tropical and sub-tropical climates worldwide, mostly in urban and semi-urban areas
- Approximately 3 billion people live in dengue-risk regions with about 150 million new cases each year worldwide



INSECTICIDES FOR INDOOR USE



Vector control interventions

- 1) Larviciding
- 2) Fogging
- 3) IRS – Indoor Residual Spraying
- 4) LLIN – Long Lasting Insecticidal Net
- 5) Personal protection means

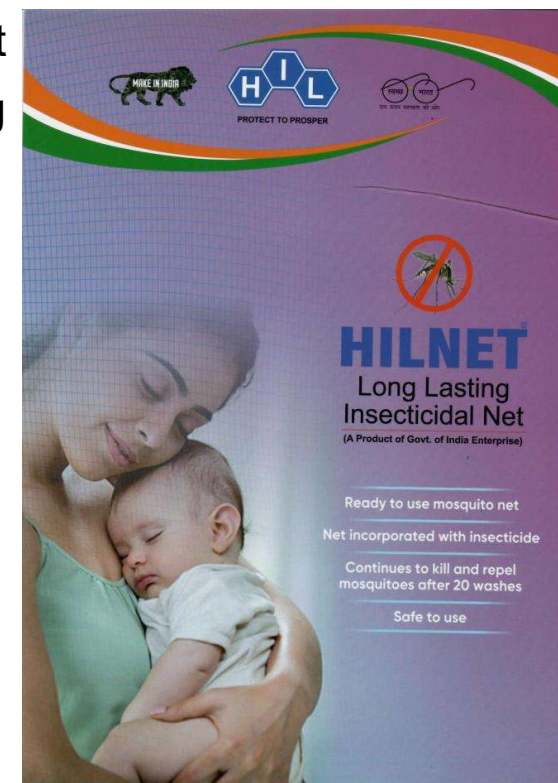


INSECTICIDES FOR INDOOR USE



LLIN – Long Lasting Insecticidal Net

- HIL with the financial assistance of UNIDO under the project “Development and Promotion of non-POP alternatives to DDT” has set up manufacturing unit of LLIN at Rasayani, Maharashtra.
- 100% Indigenously developed technology (CIPET).
- Objective – (1) To reduce import dependency
(2) To reduce demand and supply gap
(3) An initiative inline with Make in India and Atmanirbhar Bharat
- Present capacity is 5 Million nets per annum
- Capacity is being enhanced to 10 Million nets per annum by 2022.



INSECTICIDES FOR INDOOR USE



LLIN – Long Lasting Insecticidal Net

- Safe for Infants and Pregnant Women.
- Provide better and effective protection by keeping away mosquitoes as well as killing them.
- Effective for 3 years, even after repeated 20 washings.
- Cost effective means against vector borne diseases and are ready to use.



INSECTICIDES FOR INDOOR USE



Neem based Mosquito repellent Cream & Coil

- Botanical based Vector Borne disease control method.
- Manufactured from Neem oil extract and other natural ingredients.
- For indoor use.
- Neem based Cream is Skin-friendly & Non-sticky.
- Safe for Human beings including infants.
- Indigenous developed technology.

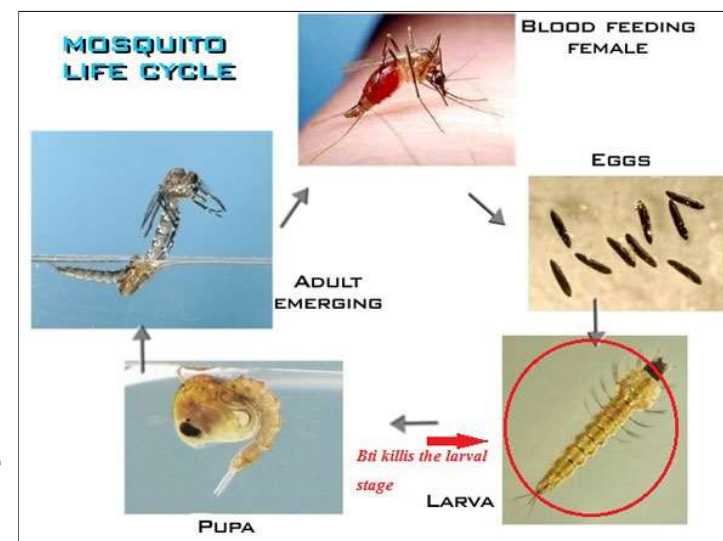


INSECTICIDES FOR INDOOR USE



Bti based Bio-Larvicide

- Bti – *Bacillus thuringiensis* subspecies *Israelensis*
- Bacterial Larvicide, Safe and effective in controlling vectors.
- For indoor use.
- Economical when compared with other measures.
- Selectively kill mosquito larvae with negligible effect to non-target organisms
- Indigenous technology to reduce import dependency becoming Atmanirbhar Bharat.



INSECTICIDES FOR INDOOR USE



Household Insecticides

- Malathion is a mosquito vector control product used for Public Health programme.
- Malathion formulation is also used as house hold pesticide for protection of kitchen garden.
- Formulations of Chlorpyriphos Technical (Hilban 20 EC and Hilban Plus 50 EC) and Imidachloprid formulation are used as Termite Control in both Pre and Post construction.
- Chlorpyriphos is also used for controlling household insects and pests.
- All these products are highly effective against target insects and are safe for both indoor and outdoor use.

Photographs



Photographs





THANK YOU