

Providing Reliable **PUBLIC HEALTH** Products



 **HERANBA**[®]
INDUSTRIES LIMITED

An ISO 9001:2008 Company

“Public Health Division”



OUR MISSION

Established in the year 1992, Heranba's mission is to improve the crop productivity and public health. It is committed to the wellness of world citizens, the passion is to provide innovative and reliable Public Health products to Pest Management Professional's and Govt agencies and secure the world from pests.

ABOUT US

Today, Heranba is one of the largest manufacturers of synthetic pyrethroids and its intermediates in India. It has a wide network in India as well as in world market with a phenomenal growth rate year after year. The company's philosophy is **to provide innovative quality products to improve the quality of human life**. This is achieved by its research and product development divisions, where **"chemistry is at its best"**.

HERANBA MANUFACTURING UNITS

Heranba has 3 manufacturing facilities in industrial belt called "Vapi" in Gujarat state in India, (about 180kms, from Mumbai city)

Unit 1 which is the **mother plant**, manufacturing technical grade synthetic pyrethroids like Deltamethrin, Alphacypermethrin, Permethrin, Lambdacyhalothrin, Tricyclazole, Temephos, Imidacloprid, Acephate, Glyphosate and Profenophos in this plant.

Unit 2 is Heranba's new creation with an installed capacity of also 1800 MT of Cypermethric Acid Chloride per annum. This plant manufactures high quality derivatives of Cypermethric Acid Chloride as per customer's requirement. Alphacypermethrin, Cypermethrin Technical are also manufactured in this plant.

Unit 3 is Heranba's **ISO 9001-2008** certified ultra modern formulation unit, meeting the requirement of the EC, SC and WP formulations to cater to the local Indian market as well as for export.

The manufacturing facilities are well-equipped, adhering to safety and environmental standards, with in-house R&D and Quality Control laboratory.



GENERAL INSECT CONTROL



Deltaflow[®] Deltamethrin 2.5% SC

(Approved by Bureau of Indian Standards)

DELTAFLOW is used for bednet Impregnation. It is also used as residual spray for control of mosquitoes, cockroach, housefly, spider and all other crawling and flying insects at very low dose.

FEATURES :

- ◆ Is safe to non-target animals and human beings.
- ◆ Has broad spectrum activity against household pests which are resistant to other conventional insecticides.
- ◆ Is odorless, non-staining, non-greasy and non-irritant.
- ◆ Long lasting residual effect.
- ◆ Cost effective due to low dosage.
- ◆ Certified with BIS (ISI) Mark and WHO approved

MODE OF ACTION : Non systemic insecticides with contact action fast acting.

DOSAGES :

- ◆ **Surface Treatment**
10 ml/lit of water.
- ◆ **Synthetic Net**
10 ml/500 ml water for single net.
15 ml/750 ml water for double net.
- ◆ **Cotton Net**
10 ml/2 litre water for single net.
15 ml/3 litre water for double net.

PRESENTATION : 100ml, 1 Litre



Spectra Alphacypermethrin 10% SC

SPECTRA provides control over mosquitoes, houseflies and cockroaches for a long period of time. It is widely used in various areas such as institutional premises, residential buildings and domestic settings. Further, it can also find its application in hospitals, kitchens, restaurants and food processing & food storage areas.

FEATURES :

- ◆ Has long residual action.
- ◆ Is cost effective insecticide.
- ◆ Odorless and non-staining
- ◆ WHO approved

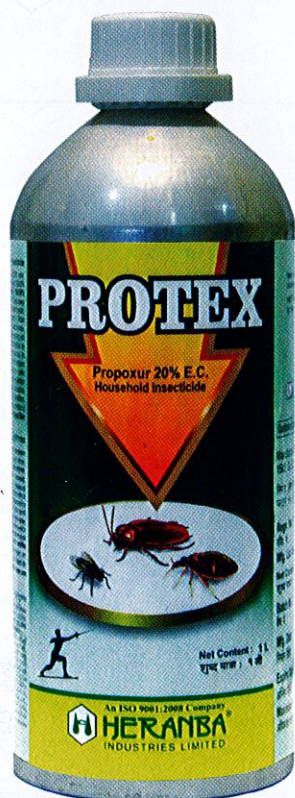
MODE OF ACTION : It is non-systemic insecticide with contact & Stomach action. It acts on very low dose.

DOSAGE : 10-20ml/1 lit of water to cover 50sq. mt area

PRESENTATION : 100 ml, 1 Litre



GENERAL INSECT CONTROL



Protex Propoxure 20% EC

PROTEX is a broad spectrum public health and pest control products for controlling Flying Insect- Mosquitoes, Flies, Bedbugs, Cockroaches, Fleas, Ticks, Crickets, Woodlice, Mite, Silverfish, Spider, Ants etc.

FEATURES :

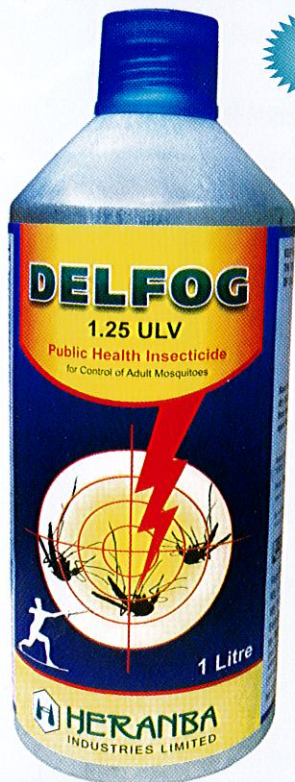
- ◆ Rapid knockdown action
- ◆ Safe to non-target animal and human beings
- ◆ Long lasting residual effect.
- ◆ Highly effectiveness
- ◆ Very strong flushing action.
- ◆ Excellent tank mix partner.

MODE OF ACTION : Non-systematic insecticide with contact and stomach action.

DOSAGE : 25-40ml of **Protex** is to be diluted in one litre of water and sprayed at the rate of 50 ml solution per sqmt.

PRESENTATION : 1 litre, 5 litre, 20 ltr and 200 Ltr.

FOGGING



Delfog[®] Deltamethrin 1.25% ULV

(Approved by Bureau of Indian Standards)

DELFOG is used to control adult mosquitoes and cuts down the transmission cycle. They are safe for humans and animals due to low toxicity. It can be applied using ULV or thermal fogging as space sprays. Specially formulated for diesel, oil and kerosene,

FEATURE

- ◆ Is used for control of mosquitoes, cockroaches, bed bugs, flies etc.
- ◆ Effective against vector of human disease (Anopheles, Culex & Aedes)
- ◆ Suitable for use both Indoors and Outdoors in vector control and in area where flying insects are a nuisance or may cause health risk.
- ◆ Extremely low dosage.
- ◆ It has knock down effect.
- ◆ Certified with BIS(ISI) Mark and WHO approved.

MODE OF ACTION : DELFOG poisoning occurs through cuticular penetration or oral uptake.

DOSAGE :

- ◆ **Fogging - Thermal Fogging :**
50ml/10 litre of diesel or kerosene to cover 1 hectare area.
- ◆ **Fogging -Ultra Low Volume**
50ml/5 litre of diesel or kerosene to cover 1 hectare area.

PRESENTATION : 15 ml, 50 ml, 1 Litre





Mantra-TC Imidacloprid 30.5%SC

MANTRA TC is a new generation systemic and contact insecticide which is very effective for pre and post construction treatment against Termites.

FEATURE :

- ◆ Odorless & low toxic toward People & Pests.
- ◆ Can be used both Pre & Post Construction.
- ◆ Ability to spread in all direction of soil ensuring thorough soil coverage.

MODE OF ACTION : Systemic insecticide with contact & stomach action.

DOSAGE : 2.1 ml /1lit of water for the control of Termite (for both Pre & Post Construction)

PRESENTATION : 250 ml, 1 Litre



Heraban-TC Chloropyriphos 20% EC

(Approved by Bureau of Indian Standards)

Heraban-TC is the insecticide that is effective against termites control. Heraban-TC is creating repellent barrier in the soil preventing termites to make entry in to the building.

FEATURE :

- ◆ Its widely used in Pre & Post construction anti termite treatments.
- ◆ Quick knockdown with some residual control.
- ◆ Cost effective broad-spectrum insect control .
- ◆ Certified with BIS (ISI Mark)

MODE OF ACTION : Non-systemic insecticide with contact, stomach and respiratory action.

DOSAGE : Heraban-TC recommended dosage of 50 ml per ltr of water.

PRESENTATION : 100 ml, 250 ml, 500 ml, 1 Ltr, 5 Ltr, 20 Ltr and 200 Ltr

TERMITICIDE



Termifinn-TC Bifenthrin 2.5% EC

Termifinn-TC is an insecticide, effective for termite control. For use in pre and post construction, anti termite treatments.

FEATURE :

- ◆ Its controls termites by contact action and provides knockdown effect.
- ◆ Is safe and environment friendly product.
- ◆ Provides double protection by acting as a repellent barrier and also kills live termites.
- ◆ Is tolerant to pH variation. It can be applied to acidic as well as alkaline soil.

MODE OF ACTION : Contact and Stomach action.

DOSAGE :

(1) Pre and post construction. Termifinn-TC shall be applied at 0.05% a.i. concentration. i.e. 20.00ml formulated product diluted in 1 liter of water for the control of termites in building during pre and post construction. Treatment should be as per IS 6313 (Part- 2):2001 for pre-construction chemical treatment and IS 6313 (Part-3): 2001 for post construction treatment of the existing building.

(2) Recommendation for use of control of Wood borer (Powder Post Beetle) in plywood, veneer and wood:

Use	Method of application	Dosage (a.i.)	Dilution
Plywood	Glue Line Poisoning Dipping	10g/cubic meter of wood 0.025% Solution	400ml formulation per cubic meter of wood Mix 1 lit of formulation in 99 lit of water to make 0.025% Solution
Venner	Dipping	0.025% Solution	Mix 1 lit of formulation in 99 lit of water to make 0.025% Solution
Wood	Dipping/Brushing	0.025% Solution	

PRESENTATION : 1 Ltr, 5 Ltr, 20 Ltr and 200 Ltr.

Pre construction Anti-termite treatment –

1. Treatment for Masonry Foundations & Basements

STEP : 1 : Bottom and sides of trenches

- ◆ After digging the pit ◆ Treat bottom surface & sides of excavations made from masonry foundation & basements. ◆ Treat with Termifinn-TC to a height of 300 mm. ◆ At a dose rate of 5 ltr / Sq. mtr.

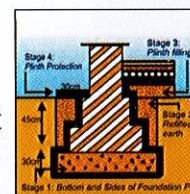
STEP : 2 : Backfill in Immediate contact with foundation wall

- ◆ After masonry foundation & the retaining wall of the basement is built. ◆ The backfill in the immediate contact with the foundation to be treated with Termifinn TC. ◆ Treat Termifinn-TC @ 7.5 ltr /sq. mtr. of the

STEP : 3 : Top Surface & Plinth filling

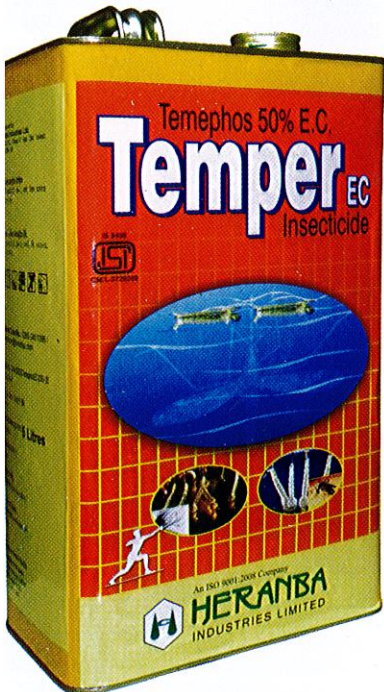
- ◆ The top surface of the consolidated earth within plinth walls shall then be treated. ◆ Treat Termifinn-TC @ 5 ltr / sq. mtr. of the surface before the sand bed or sub-grade is laid.

Treatment of RCC Foundations : Treatment should start at a depth of 50 cm below ground level treat with Termifinn-TC @ 7.5 ltr / sq. mtr.



Post construction Anti-termite treatment –

- ◆ **Soil treatment along external perimeter of building :** Earth along the external walls of the building should be rodded at intervals of 15 cm and to a depth of 30 cm exposing the foundation wall surface. Termifinn-TC solution should be poured along the wall @ 7.5 ltr per sq. mtr. Of vertical surface.
- ◆ **Treatment of soil under apron along external perimeter of Building :** Top surface of the earth over which the apron is to be laid shall be treated with Termifinn-TC solution @ 5 Ltr/ sq. mtr. of the vertical surface.
- ◆ **Treatment of soil under floor :** To prevent entry of termites from cracks, soil under floor should be treated. Drill 12 mm holes at the junction of floor and wall at 30 cm interval to reach the soil below. Squirt the Termifinn-TC solution @ 1 ltr per hole and seal.
- ◆ **Treatment of voids in masonry :** The movement of termites through masonry walls may be restricted by drilling holes in masonry wall at about 45° angle preferably from both sides of the plinth wall at 30 cm interval and squirt the chemical in holes till refusal and seal the holes.
- ◆ **Treatment of Upper Floors :** In case of infestation in upper floors, treat ground floor of the existing building as described above.



Temper EC Temephos 50% EC

(Approved by Bureau of Indian Standards)

Temper EC is organophosphate insecticides which is very effective for the control of mosquito's larvae. It is widely used in public health programs.

FEATURE :

- ◆ Quick action
- ◆ Low toxicity to water species and mammals.
- ◆ It controls larvae of Anopheles, Culex and Aedes and dramatically reduces mosquito population in treated areas.
- ◆ Environmental friendly larvicide.
- ◆ Certified with BIS (ISI Mark)

MODE OF ACTION : It affects the central nervous system through inhibition of cholinesterase. In larva, this results in death before reaching the adult stage.

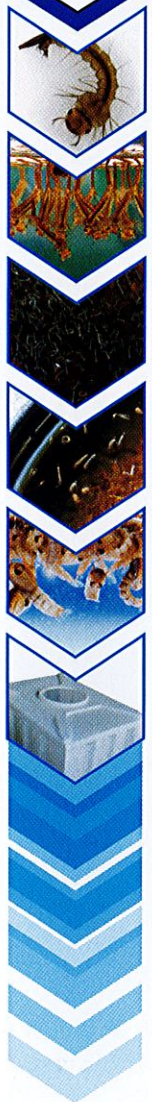
DOSAGE :

Clear Water- 2.5 - 5 ml/10 ltr of water.

Moderately polluted water- 7.5 - 10 ml/10 ltr of water.

Highly polluted water- 12.5 - 20 ml/10 ltr of water.

PRESENTATION : 1Ltr, 5Ltr.



Temper SG Temephos 1% SG

TEMPER SG is the safest mosquito larvicide that is highly effective against larvae of all species of mosquito. It can be used in a variety of breeding sites i.e. in potable clean water to highly polluted water. It contains 1% Temephos, an organophosphate group of insecticides, as an active ingredient.

TEMPER SG is safe to human and other non-target animals.

MODE OF ACTION :

TEMPER SG produces signs & symptoms typical of cholinesterase exposure, but mortality does not occur unless very large dose of the compound is administered.

TEMPER SG acts as a contact poison. Once applied to breeding site, it spreads well within the water body and stays effective for one week.

DOSAGE :

- | | | |
|-----------------------------|---|------------------|
| ◆ Clean water | : | 5-10 Kg/hectare |
| ◆ Moderately Polluted water | : | 10-20 Kg/hectare |
| ◆ Highly Polluted water | : | 20-50 Kg/hectare |

PRESENTATION : 1 Kg, 25 Kg, 40 Kg



INDOOR RESIDUAL SPRAY (IRS)



Delthrin Deltamethrin 2.5% WP

(Approved by Bureau of Indian Standards)

Delthri is high performance synthetic pyrethroid used for Indoor Residual Spray (IRS) for Mosquitos, Flies and Cockroaches as well as Effective against Stored Grain Pest i.e. Weevils, Beetles, Moths etc.

FEATURE :

- ◆ Good chemical stability
- ◆ Certified with BIS (ISI Mark) and WHO approved

MODE OF ACTION : Non systemic insecticide with contact and stomach action. Fast acting.

DOSAGE :

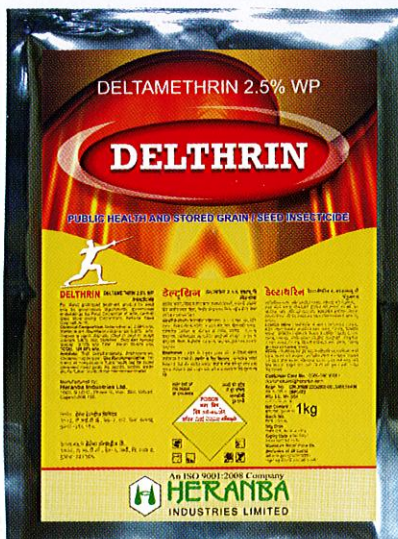
- ◆ **For Indoor Residual Spray (IRS)**

25-50 gms of formulation in 1.5-2.5 ltr of water.

- ◆ **For Stored Grain Pest.**

120 gm of delthrin is to be thoroughly mixed in 3 ltr of water to be covered 100sq.m area

PRESENTATION : 1 Kg, 25 Kg.



Alpha Shakti 5WP

Alpha Cypermethrin 5% WP

(Approved by Bureau of Indian Standards)

ALPHA SHAKTI 5WP is a broad spectrum insecticide containing 5% Alpha Cypermethrin, an highly effective public health insecticide for control of adult mosquito.

FEATURES :

- ◆ Its control wide range of sucking pest & long resident action.
- ◆ Certified with BIS (ISI) Mark and WHO approved.

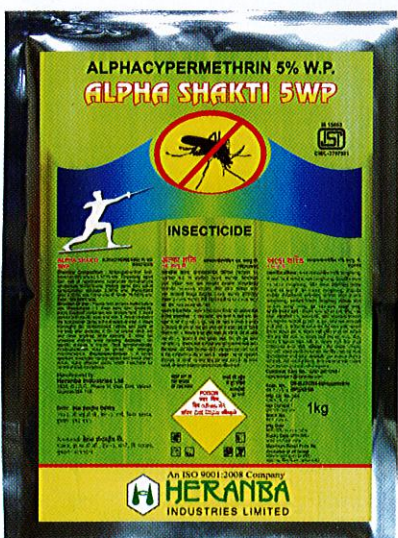
MODE OF ACTION : Non-systemic insecticide with contact and stomach action. It also acts on the central and peripheral nervous system in very low doses.

DOSAGE:

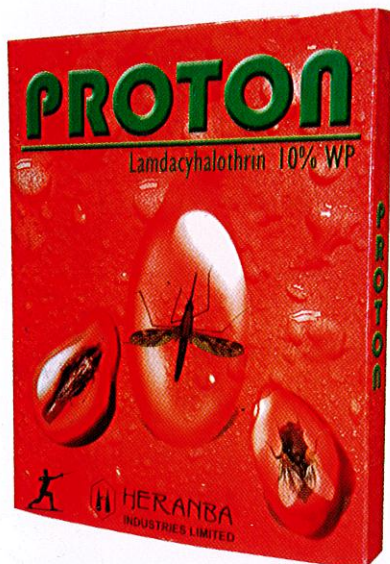
Adult Mosquitoes

- ◆ Double cycle application to be repeated after 3 month
250gms/10 litre of water to cover 500 Sq. meter area.
- ◆ Single Cycle application
400gms/10 litre of water to cover 500 Sq. meter area.

PRESENTATION : 1 Kg, 25 Kg



INDOOR RESIDUAL SPRAY (IRS)



Proton Lambdacyhalothrin 10% WP

(Approved by Bureau of Indian Standards)

PROTON is high performance synthetic pyrethroids recommended & approved by Pesticide evaluation Scheme for usage against Mosquitoes. It is also used to control cockroaches, House Flies & other Crawling insects.

MODE OF ACTION :

- ◆ Has strong contact and stomach action and also has repellent properties.
- ◆ Rapid knockdown of pests that come in contact with treated surface
- ◆ It disrupts normal functioning of nervous system in insects and causes paralysis and death
- ◆ Certified with BIS (ISI) mark.

DOSAGE :

◆ **Adult Mosquitoes**

125gms/10 lit of water to cover 500 Sq.mt. area as residual spray to control vectors.

◆ **Cockroaches & Houseflies**

100gms/10 lit of water to cover 500sq.mt. area as residual spray to control vector.

PRESENTATION :

- ◆ 02 Kgs Carton containing 62.5 gms x 32 water soluble sachets, 1 Kg.



RODENTICIDE

Rat Kill Bromadiolone 0.005% CAKE

Heranba Rat-Kill is a single dose anticoagulant rodenticide. It controls feral and commensal rats when consumed by causing hemorrhage in the blood system. Place the cake in the burrows and at places frequented by Rodents and one application provides good control. Pre-baiting is not necessary.

It contains Bromadiolone 0.005% as an active ingredient.

MODE OF ACTION: **Heranba Rat-Kill** does not act as instant poison, thereby eliminating the entire colony of rats. A single rat after feeding on the first day dies on the 4th or 5th day depending on the intake. The internal bleeding due to the failure of producing vitamin K leads to loss of blood and hemorrhages leading to death.

RECOMMENDATION : **Heranba Rat-Kill** cake is recommended in paddy, wheat, gram, groundnut, sugarcane, coconut, residential premises and poultry farm for field rat and house rat.

ANTIDOTE : Vitamin K If swallowed, induce vomiting administer. Repeat if necessary.

PRESENTATION : The product shall be available in 25gm and 100gm pouches.



COCKROACH GEL



Heranil Gel Fipronil 0.05% GEL



Heranil Gel is a household insecticide gel for control of American and German cockroaches. The products is safe for use in sensitive areas and around non target animal.

FEATURE :

- ◆ Gel baits ate attractive to most cockroach species
- ◆ Safe and easy to use products.
- ◆ RTU product.
- ◆ Highly effective on cockroaches.

MODE OF ACTION : Stomach poison.

RECOMMENDED PREMISES : All Commercial and Residential premises i.e Hospitality Industries, Hospitals, Warehouse, Factories, Food handling areas, Textile industries, Kitchen, Corporate ofices etc.

DOSAGE :

- ◆ For German Cockroaches should be 0.25-0.50 g/m²
- ◆ For American Cockroaches should be 0.50-1.00 g/m²

PRESENTATION : Cartridges 35gm.

Mantra Gel Imidacloprid 2.15% GEL



MANTRA GEL is a new technology product, specific for cockroach control. The unique application method makes it a suitable product for managing cockroaches inn vending machine. **MANTRA GEL** contains Imidacloprid 2.15% as the active ingredient and food bait matrix which attracts the cockroaches. **MANTRA GEL** has to be applied by the unique applicator gun and needle. **MANTRA GEL** has attractant that lures cockroaches ensuring its consumption which kills cockroaches.

MODE OF ACTION : Stomach poison

DOSAGE: For an effective control, apply 3 to 4 gel spots/sq.cm area and each gel spot with 3-5 min diameter in size. If cockroaches are seen reapply gel. Do not apply gel in areas which are frequently washed.

RECOMMENDATION : This gel is recommended for effective control of German and American cockroaches in house. Cockroaches are attracted to the gel and after feeding, the cockroaches are killed. Application of gel is convenient for use.

PRESENTATION : Cartridges 35 gm.

OTHER PRODUCTS



CYPRA

Cypermethrin 10% EC



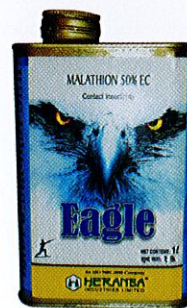
CYPRA PLUS

Cypermethrin 25% EC



DODAK

DDVP 76% EC
(ISI) Mark



EAGLE

Malathion 50% EC
(ISI) Mark



VARDHAN

Chloropyrifos 50% EC



MANTRA

Imidacloprid 17.8% SL



DELTAJET

Deltamethrin 2.8% EC



JAYAM

Lambdacyhalothrin 5% EC



JAYAM PLUS

Lambdacyhalothrin 4.9% CS



PROMPT

Thiamethoxam 25% WG



HERANIL PLUS

Fipronil 5% SC



GLORY

Glyphosate 41% SL



HERMIT

Phorate 10% CG



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