



CHEMOTHRINE 2.5 WP

DELTAMETHRIN 2.5% WP

A anopheles mosquitoes are the vectors of malaria and are responsible for transmission of malaria in rural and urban areas of the country. It is the various methods available to control malaria, it is the use of the indoor residual spray which is still the most widely used and effective method with a high success rate. The prolonged use of conventional insecticides like DDT, BHC and Malathion over the decades has gradually produced an intense selection pressure for the development of resistance.

Also, in addition to this a continuous reduction in acceptability by the inhabitants has been observed with the conventional insecticides in view of the stains, odor etc. thus the desired results for the success of the malaria prevention program could not be achieved effectively.

Chemothrine 2.5% WP, the first Synthetic Pyrethroid in India, has been successful in bringing down malaria incidences (even in triple resistant areas viz. DDT/ BHC and Malathion) and also reduced the considerable number of malaria related deaths. The product is successfully being used in Anti-Malaria programs by Govt. of India, various State Governments, Corporations, Councils, Townships etc..

Life Cycle : Life cycle consists of four stages viz Egg, Larva, Pupa and Adult. It is completed in about a month's time in which the first three stages are aquatic.

Mode of Action : **Chemothrine 2.5% WP** contains Deltamethrin as the active ingredient (a.i.). It is a single consumer product with a very low vapor pressure and is considered to be practically non-volatile.

Chemothrine 2.5% WP kills the insect by contact and / or by ingestion. A great affinity has been observed between **Chemothrine 2.5% WP** and the cuticle of the insect, which consists mostly of lipids. This particular property of **Chemothrine 2.5% WP** Ensures rapid and close contact between the insect and the product.

Activity Spectrum : **Chemothrine 2.5% WP** is effective against all malaria vectors. It is several times more active against malaria mosquitoes than DDT, BHC and Malathion and highly effective against strains resistant to DDT, BHC and Malathion it has a broad spectrum of action viz. Sandflies, flies, fleas, bedbugs etc. it exhibits a longer residual action.

Dosage & Application Method : **Chemothrine 2.5% WP** is recommended @ 20 mg a.i./sq. m. 400 g. of **Chemothrine 2.5% WP** is to be mixed in 10 liters of water and sprayed over 500 sq. m. (approx 3 houses) with normal flat fan nozzle and swath of 21".

Chemothrine 2.5% WP can be sprayed as water suspension with ordinary hand compression knapsack sprayers, spray pumps, or atomizers on walls, ceilings and any other hiding places of mosquitoes so as to have a rapid knockdown as well as longer residual effect.

Recommendations : Approved by National Malaria Program Deltamethrin 2.5% WP has been successfully evaluated and certified by World Health Organization Pesticide Evolution Scheme (WHOPES)

- Special Features :**
- ➔ Lowest recommended dosage of 20 mg. A.i. / sq. M.
 - ➔ Safe for applications, inhabitants and domestic animals.
 - ➔ Odorless ➔ Non-Staining
 - ➔ Active against other flying and crawling insects viz. Cockroaches, Bedbugs, Houseflies, ants etc.

Safety : At the recommended application rates, **Chemothrine 2.5% WP** is virtually non toxic and has an outstandingly high safety factor for man and warm blooded animals in genera. **Chemothrine 2.5% WP** is biodegradable and if adsorbed in the human body, will be readily metabolized and excreted/

General Precautions : **Chemothrine 2.5% WP** is a safe insecticide. However, it is advisable to follow the usual precautions. Avoid drinking, eating or smoking during spraying. Avoid direct contact or inhalation. Do not spray on foodstuffs and utensils. After spraying wash hands and exposed parts of the body thoroughly.

Storage : Keep out of reach of children, pets & other domestic animals. The container with the insecticide should be kept in separate room under lock and key.

Antidote : In case of severe poisoning with neurological symptoms and convulsions, Administer Diazepam. Contact a physician immediately.

Packing Available : Small pack to 200 liter bulk packing and as per customer requirement

Note : Information given above are the guidelines best to our knowledge. Recommendation made are without any guarantee since condition use are not in our control.

Our Other Products :

1. **N CORE 125 ULV** - Deltamethrin 1.25 % ULV
2. **NT-QUITO** - Deltamethrine 2.5% SC

Distribution by :

Manufactured by
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