



# NAIGER 25 WP

**NAIGER 25 WP** is a new type of insecticide which interferes with the formation of Chitin during the molting process of insect larvae. It is predominately a stomach poison effective against fly insect larvae of mosquito, flies and others in agriculture field like Tobacco Caterpillar, Bollworms, Leaf Webber etc. for control of insect in various crops. Also used to control the insecticide for house fly and as public health chemicals in various application.

**NAIGER 25 WP** content a.i. Diflubenzuron as molecule. Normal synthesis of the endocuticle does not take place in larvae treated with diflubenzuron.

**NAIGER 25 WP** does not kill the existing target population instantly. Due to its mode of action the larvicidal effect may be somewhat delayed and will only become fully apparent from the next moult following application.

**NAIGER 25 WP** mainly act as a stomach poison, disturbing the moulting process of larvae at all stages. When last instars larvae ingest **NAIGER 25 WP**, disturbances in the pupal or adult cuticle may occur. The deviation from the normal moulting process ultimately leads to the death of the insects having finished moulting and pupation are not susceptible to **NAIGER 25 WP**.

#### **Application / Recommendation and use :**

- In order to stop increase of an adult population to start **NAIGER 25 WP** applications at an early stage of population development when the majority of the larvae is in a 1<sup>st</sup> or 2<sup>nd</sup> instars.
- In situations where a large adult population is present at the time of application it is advised to start using **NAIGER 25 WP** in combination with an adulticide before switching to Larva control program.
- Under practical conditions, a **NAIGER 25 WP** treatment in surface water will suppress adult emergence for a period of 10-20 days.
- An uneven spray of breeding places should therefore be avoided to prevent premature recovery of mosquito's larvae in places not covered by **NAIGER 25 WP** spray.

**NAIGER 25 WP** a water dispersible powder containing Diflubenzuron 250 g a.i./kg. The most commonly used formulation to be applied on breeding sites where open water prevails. At the time of uses / Local environmental factors such as organic matter content, depth, pH and temperature of the water, the mosquito species and the type of breeding site is needed to determine the optimal rate of application. **NAIGER 25 WP** should first be mixed with sufficient water before application to ensure a uniform distribution over the mosquito breeding surface during spraying. It is most commonly used for ground application and can be sprayed at any volume except for ULV.

- Equipment recommended for satisfactory control use high volume spraying equipment such as knapsack sprayer etc.



PUBLIC HEALTH



Manufactured By:  
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Distribution by :



# NAIGER 25 WP

Diflubenzuron 25% WP is referred to by the World Health Organization as an insecticide suitable to be used as larvicide in mosquito control. It is W.H.O. handbook on "Specifications for Pesticides used in Public Health".

- The following dosages or concentrations of **NAIGER 25 WP** as formulation could be used as a guideline :

Clear surface water	: 100 -200 g formulation */ ha
Polluted surface water	: 200- 400 g formulation */ ha
Closed systems (sewage pits, soakpits, Latrines, septic tanks, wells, reservoirs etc.)	: 1 mg a.i./lt.

\*product **NAIGER 25 WP**

### Recommendation against flies :

**NAIGER 25 WP** effective against the larval stage of number of flies species including *Musca domestica* (housefly), *Musca autumnalis* (face fly), *Stomoxys calcitrans* (stable fly), and *Haematobia irritans* (horn fly)

For particular control of fly larvae is achieved by topical treatment of the larval breeding medium such as manure (both dry and liquid), waste feed, garbage pits and refuse heaps. Best results are obtained when Diflubenzuron 25 WP is used in a regular preventive spraying program starting as soon as ovi position of flies in larval breeding places can be expected. Where there is a large adult population it is recommended to use an adulticide separately before starting the preventive Diflubenzuron 25 WP larvae control program. Normally adult emergence will be suppressed for 3-6 weeks, depending on the nature of the breeding medium and the rate of dilution of Diflubenzuron 25 WP caused by the deposition of fresh untreated material i.e. surface coverage or layer effect.

Diflubenzuron 25 WP to be applied 2 liters of water 10 m<sup>2</sup> of surface area by preparing formulations under required application specific for fly control. Diflubenzuron 25 WP is recommended at the rate of formulation is approxi. 20 gm formulation / 10 m<sup>2</sup> for closed housing area and approxi. 40 gm formulation /10m<sup>2</sup> for higher dosage for open fly breeding places.

**ANTIDOTE** : Treat Symptomatically.

**PRECAUTIONS** : Wear gloves, goggles, mask and protective clothing while handling/spraying. Avoid inhalation and skin contact. Do not eat, drink or smoke while spraying. Always change clothing and take a bath as soon as insecticidal treatment is completed. Clean sprayer thoroughly with water after completion of work.

**STORAGE CONDITION** : The pesticides shall be stored in separate rooms away from others articles premises meant for storage the insecticides shall be well built, dry, well-lit and ventilated and of sufficient dimension to avoid contamination with vapors.

**PACKING** : Standard packing and match to statutory requirement for product and as per customer requirement.

**NOTE** : Information given above is the guidelines best to our knowledge. Recommendation made is without any guarantee since conditions used are not in our control.



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