

PROFESSIONAL  
PRODUCTS

entokim®

Environment • Technology • Science



WE OFFER HEALTHY ENVIRONMENT  
SINCE 1991





Environment • Technology • Science

## ENTOKİM CARES TO ENVIRONMENT

During the first fight against vectors that carry diseases and cause various damages; developing products that will not risk off-target creatures while combating target pests, and it is necessary to keep the principle of not accumulating in the environment at the forefront. Entokim, biodegradable it recommends biocidal products that have properties and do not have phytotoxicity. Non-accumulating in the environment the product, after doing its duty, the toxic part will be degraded and should be in nature as it decomposes into other organisms and will turn into non-toxic substances.

For this purpose, all our biocidal products use pure active substances with the highest purity and the lowest level of impurity. Please note, the purer the active substance, the shorter the time of decomposition in nature. The active ingredients used in our products are registered in the ECHA list and comply with EU directives.

### ENTOKİM BELIEVES IN THE POWER OF SCIENCE

Entokim has the largest library and technical equipment in the country for all the biocidal products it sells.

Behind all our products are technical knowledge & documentation based on science and an expert team.



### ENTOKİM CARES TO TECHNOLOGY

Our company, which has been operating in the field of Environmental Health for more than 30 years, is an exclusive distributor of many international companies that are experts in their field and have a serious R&D budget.

These companies make a difference with the latest generation of patented technologies against target pests with their vast savings and innovative approaches based on many years.

Entokim is the first and only Turkish company that is an observer member of CEPA (Confederation of European Pest Management Associations). CEPA is a representative of an industry -in European level- with 25 national and regional trade associations, more than 3 billion worth of turnover produced by more 10.000 companies with more than 40.000 employees. In addition to the associations, CEPA membership includes European manufacturers, distributors and service companies.



European Union guidelines and EU level decisions are implemented by CEPA. Therefore only members can reach all these directives and scientific information at first hand.



**Open Space New Generation Microemulsion Technology**



**The Ideal Combination**



**Bio Solvent (Neem Oil)**



**Fighting Mosquitoes, Houseflies, Midge, Darkling Beetles and Cockroaches**

**Hitpoint ME®** is a special biocidal product containing 12% Cypermethrin, completely formulated with bio-soluble solvents, with superior microemulsion technology, mediated at the end of long-term R&D studies, friendly to nature (non-phytotoxic).

Neem oil, which is found in its composition as a biodegradable solvent, also maximizes its lethal performance with its insecticidal effect, creating a barrier effect with ME technology after application, preventing pest entry to the region.

The active ingredient in the product composition is supplied by companies supported by the European Union. Ecotoxicological and toxicological reports are available. Ultra-safe for Environment. No irritation and sensitization effect.

When the product is diluted with water, it forms active substance particles with a diameter of 10-100 nm (nanometers) with the help of special emulsifiers in its content, so the amount of active substance (droplets) falling per unit area increases. This property, which arises from the physicochemical structure of the ME formulation, provides maximum efficiency to the product.

When applied by the ULV method, the evaporation-retardant content in the formulation structure ensures that the droplets hang in the air for a long time. In this way, the product contact with the pest becomes certain.

Increased suspension time with microemulsion technology also ensures that the barrier effect after the application is extended. In this way, pest entry into the environment is prevented for a long time.

In addition to a long time and high-tech production process, the high-level auxiliaries used and the original molecular structure makes the field performance unique.

## NEEM OIL

Neem oil is a special oil obtained by cold pressing from the leaves and seeds of the Neem tree growing in Africa and Asia. Neem oil has very complex components. Rather than being simple poison, these substances are similar to the hormones produced by insects. Neem enters the system and prevents the proper functioning of real hormones.



**XYLENE FREE**

**%12  
CYPERMETHRIN  
+  
Neem Oil  
(Bio Solvent)**





### ME Technology

The diameter of the droplets in the microemulsion formulation is small, but their number in the unit volume is much greater than the droplets in the macro emulsion formulation. Droplets contain an equal proportion of active matter in them, which allows biological activity to reach its maximum.



### Advantages of Microemulsion Insecticides



- Transparent and odorless
- Easy to melt in water, no need to shake
- The mixture discarded at the beginning and end of the application is in the same concentration
- Thermodynamically stable. Not affected by temperature change
- It is not phytotoxic, it undergoes biological degradation easily
- Has long-term shelf life

Thanks to microparticles obtained by microemulsion technology, Hitpoint ME has a faster and higher penetration effect on the target pest in the application area.

Hitpoint ME® is a new generation and nature-friendly product with no phytotoxicity that does not cause irritation problems. Apart from the lethal active substance, the part consists of natural emulsifiers and auxiliaries. It acts by contact with flying pests such as mosquitoes, house flies, midges walking pests such as cockroaches and ticks.



## OPEN SPACE NEW GENERATION MICROEMULSION TECHNOLOGY

The most ideal combination containing Biosolvent (neem oil) in the fight against mosquitoes, houseflies, midges, cockroaches, and darkling beetles

Pest Type Stage of Life	Application Area and Form	Mixture Ratio	Dose of Application
Mosquito	Open Areas - ULV	1 L product + 59 L water	0,5 L/hectare 1 g ai/ha
Housefly	Open Areas - ULV	1 L product + 29 L water	0,5 L/hectare 2 g ai/ha
Midge (Sandfly)	Open Areas - ULV	1 L product + 59 L water	0,5 L/hectare 1 g ai/ha
Cockroach	Empty Closed Areas	10 ml product + 1.190 ml water	50 ml/m <sup>2</sup> 0,05 g ai/m <sup>2</sup>
Darkling Beetle	Empty Closed Areas	278 ml product + 499.722 ml water	300 ml/m <sup>2</sup> 0,02g ai/m <sup>2</sup>

hit point  
MIKROEMÜLSİYON

Murini  
Draker 10.2  
Vebirat  
Difekod  
microLARV<sup>ME</sup>  
ULTRA MAX SYRINGE

Kudes EC  
hit point  
MIKROEMÜLSİYON

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Giyotin  
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Giyotin  
Draker 10.2  
microLARV<sup>ME</sup>

Formulated with original molecules,  
High-end technology,  
Complies with European Union directives,  
"Environmentally Friendly Biocidal Products"



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