

# SMALL BITES. BIG CONSEQUENCES.

## Stop mosquitoes with the industry's most trusted brand: Talstar® Professional insecticide.

No longer just an irritating nuisance pest, mosquitoes are a full-blown threat to public health. Most commonly, mosquito bites lead to skin irritation caused by an allergic reaction to the mosquito's saliva. But more serious mosquito-vectored diseases such as West Nile fever, malaria, dengue fever, encephalitis and yellow fever can cause symptoms ranging from headache and fever to tremors and convulsions. In susceptible people and pets, some of these illnesses can even be fatal.

With increased public awareness about mosquito-borne diseases, customers are looking to pest management professionals to safeguard their families from these blood-sucking threats. In order to bring your customers peace of mind, a comprehensive plan of attack must be created, beginning with a powerful and dependable insecticide.

### Control You Can Trust

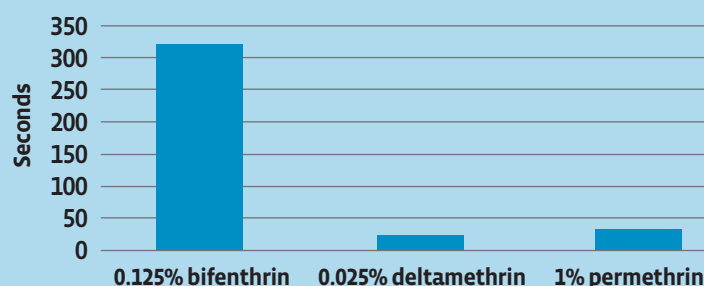
Formulated with the power and reliability of FMC bifenthrin, Talstar® Professional insecticide delivers impressive knockdown and lasting residual protection against common mosquito species. In fact, research has shown that FMC bifenthrin has a significantly longer residual than competitive pyrethroids and is less affected by light and soil degradation.

Bifenthrin: Longer Residual Pyrethroid

| PYRETHROID         | PHOTOLYSIS HALF-LIFE (DAYS) | SOIL STABILITY HALF-LIFE (DAYS) |
|--------------------|-----------------------------|---------------------------------|
| Bifenthrin         | 408                         | 96.5                            |
| Cyfluthrin         | 5                           | 11.5                            |
| Lambda-cyhalothrin | 53.7                        | 42.6                            |
| Deltamethrin       | 34.7                        | 24.2                            |
| Permethrin         | 110                         | 39.5                            |

Because of its unique chemical makeup, the bifenthrin in Talstar won't irritate mosquitoes like deltamethrin and permethrin can, causing the mosquitoes to avoid extended contact with treated surfaces. This trial compared the time mosquitoes remained on paper treated with various insecticides. Even at double the labeled application rate, mosquitoes lingered on bifenthrin-treated paper almost ten times longer than they did on paper treated with other insecticides.

Mosquito Irritability Tests



## Part of an Integrated Approach

When used as a part of a comprehensive plan of attack, Talstar Professional is the ideal choice for mosquito management around homes, schools and commercial buildings. FMC recommends working hand in hand with your customers to develop a complete approach to mosquito management.

|                                       |  |  |
|---------------------------------------|--|--|
| <b>Scouting</b>                       | Find, identify and eliminate sources of standing water, the perfect breeding area for mosquitoes.  | <ul style="list-style-type: none"> <li>• Old tires</li> <li>• Clogged roof gutters</li> <li>• Debris in the yard</li> <li>• Areas conducive to puddle formation</li> </ul> |
| <b>Control of Immature Mosquitoes</b> | Use <i>Bacillus thuringiensis</i> or insect growth regulators to treat mosquito larvae in sources of stagnant water.   | <ul style="list-style-type: none"> <li>• Ponds</li> <li>• Birdbaths</li> <li>• Water features</li> </ul>   |
| <b>Control of Adult Mosquitoes</b>    | Use Talstar Professional to treat the perimeter around homes and outdoor areas where people gather.  | <ul style="list-style-type: none"> <li>• Home perimeter*</li> <li>• Foliage around the property</li> <li>• Decks, around pools and patios</li> </ul>                       |
| <b>Barrier Treatment</b>              | During adult flying season, create a barrier with monthly treatments of Talstar Professional applied with power sprayers or mist blowers (with a droplet diameter greater than 50 um) in a treatment area approximately 30 to 50 feet wide and up to 20 feet high. | <ul style="list-style-type: none"> <li>• Campgrounds</li> <li>• Neighborhoods</li> <li>• Parks</li> <li>• Animal shelters</li> <li>• Outdoor malls</li> </ul>              |
| <b>Opportunity Treatments</b>         | In order to reduce mosquitoes for upcoming outdoor events, apply Talstar Professional with power sprayers or mist blowers (with a droplet diameter greater than 50 um) to foliage and other surfaces in the area.  | <ul style="list-style-type: none"> <li>• Outdoor weddings</li> <li>• Graduation parties</li> <li>• Family picnics</li> </ul>   |

## Beyond Mosquito Control

In addition to mosquitoes, Talstar Professional achieves long-lasting, broad spectrum control of 75 pests, including ants, termites, cockroaches, spiders, bed bugs, fleas and ticks. And with its flexible label, Talstar Professional is approved in multiple use-sites, so you can use it indoors and out, in industrial, commercial and food-handling areas.

Talstar Professional is non-staining and contains no odorous or plant damaging solvents. Once it dries, it is virtually impossible to tell where Talstar Professional has been applied.

**For more information on Talstar Professional insecticide and other products from FMC, visit [www.fmcprosolutions.com](http://www.fmcprosolutions.com) or contact your FMC Market Specialist or local FMC Distributor.**



**FMC**

FMC Professional Solutions

1-800-321-1FMC • [fmcprosolutions.com](http://fmcprosolutions.com)

**Talstar**  
PROFESSIONAL INSECTICIDE

\*Applications to vertical exterior building surfaces (e.g., foundations) are permitted to a maximum height of 3 feet from ground level. Always read and follow label directions. FMC and Talstar are trademarks of FMC Corporation. ©2012 FMC Corporation. All rights reserved.