



The Integrated Mosquito Management (IMM) Advantage: Superior Control and Health Protection for Golf Courses

A Comprehensive Approach to Protecting Your Players and Staff From Nuisance Mosquitoes and Vector-Borne Diseases

Golf course superintendents are responsible for maintaining the beauty and functionality of their greens, as well as the safety and enjoyment of their members and guests. While not always regarded as a serious danger, mosquitoes can present many problems for a club. Not only do they aggravate players, but they also spread harmful diseases such as Zika, West Nile virus, and Yellow Fever.

With the many breeding habitats that exist on golf courses, mosquitoes can increase rapidly on your property without proactive and attentive management. Keeping mosquito populations in check is key to preserving any golf club's reputation and financial success.

A Proactive Approach

A comprehensive and proactive approach to mosquito management involves targeting mosquitoes at all stages of the lifecycle to keep populations in check. Professionals utilize many tools and strategies to alleviate immediate problems and establish long-term control, leading to a happier and safer experience for both employees and players.



The first step in combating mosquito populations is to understand where common habitats may be on the course:



- Turf drainage
- Irrigation ponds
- Decorative lakes
- Walking paths
- Manholes
- Tall / low-lying grassy areas
- Deep shrubbery / foliage
- Tree holes
- Hollow stumps



Surveillance and Disease Testing

Regular monitoring and sampling of local mosquitoes allow professionals to identify the types of species present, the disease risk, and the areas where populations have proliferated.



Data Collection

Data gives insights into mosquito breeding areas and populations, disease threats and the potential for insecticide resistance. It allows us to effectively treat the right places at the right times, reducing the amount of spraying on the course and resulting in fewer complaints from members. Collected data is recorded in VDCI's proprietary database and reported to customers on a recurring basis.



Ground Applications

Ground crews use advanced spray technologies and EPA-registered products to target mosquitoes at both the adult and larval stages. Applicators are trained in the safest mosquito control practices in accordance with national standards. Depending on the desire of the club, our professionals can carry out spraying via truck or foot.



Aerial Applications

VDCI operates a robust fleet of planes and aerial drones. Ground crews can use professional drones to more efficiently and precisely apply product near turf and irrigation ponds, allowing us to target areas that your typical commercial mosquito control company can't. Additionally, drone applications are quiet and less disruptive to club activities.*

**Drones are configured with advanced software that inhibits filming in residential/sensitive areas.*

Public Education



Education is key to ensuring that staff members and players reinforce your mosquito management efforts. Our experts can assist with educational presentations at safety meetings so that workers are employing best practices to help limit mosquito breeding habitat around the course and that staff and players have appropriate personal protection to help prevent bites:



Defend - Use EPA-approved insect repellent.

Dress - Wear light-colored clothing, closed-toe shoes, long sleeves, and long pants while outdoors.

Drain - Eliminate standing water in outdoor ponds, gutters, buckets, equipment, and other containers. Mosquito larvae require water to survive.

Dusk & Dawn - Avoid the outdoors during the times that mosquitoes are most active.

Maintaining a golf course is a lot of responsibility, and it all revolves around keeping your members and staff happy and safe. By working together, we can help ensure a safe playing area by reducing the concern of these harmful pests.