





# MOSQUITO-BORNE DISEASES IN THE U.S.

Know the Risks. Stay Protected.

Mosquito activity is influenced by season and environmental conditions, and so are mosquito-borne disease risks. Community leaders and decision-makers who understand these patterns can more effectively manage mosquitoes as public health threats continue to shift and evolve in new areas.



## DISEASES YOU SHOULD KNOW

	 West Nile virus	 Dengue	 Eastern Equine Encephalitis	 La Crosse Encephalitis
	Most common mosquito-borne disease in the U.S.	Typically brought into the country through travel	Rare, but high risk of fatality	Most commonly affects children
<b>Presence</b>	Found in nearly every state	Southern regions and U.S. territories	Eastern and Southeastern U.S.	Midwest, Mid-Atlantic, and Appalachia
<b>Symptoms</b>	Mild illness, potential neurological complications	Fever, headache, joint and muscle pain	Fever, stiff neck, seizures, brain inflammation	Flu-like symptoms, neurological risks
<b>Vectors</b>	<i>Culex</i> mosquitoes	<i>Aedes</i> mosquitoes	<i>Culiseta melanura</i> and bridge vector mosquitoes	<i>Aedes triseriatus</i> (tree hole mosquito)
<b>Active feeding</b>	Evening through night	Early morning and late afternoon	Evening through night	Early morning and late afternoon
<b>Peak season</b>	Late summer through early fall	Late spring through fall	Late summer to early fall	Late spring through early fall

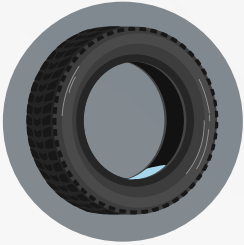
\*Disease distribution may shift due to changing environmental conditions. This chart lists general regions, not exact boundaries.

**LEARN MORE ABOUT EACH DISEASE**



## TIPS TO PROTECT YOURSELF: THE 4 D's

Reduce mosquito breeding sites and prevent bites from potential disease-carrying mosquitoes.



### **DRAIN**

standing water around your yard.



### **DRESS**

in loose, light colored pants and long sleeves.



### **DEFEND**

your skin with EPA-registered DEET repellents.



### **DUSK & DAWN**

are when mosquitoes are most active.

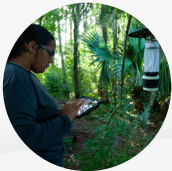
## INTEGRATED MOSQUITO MANAGEMENT SERVICES

Effective mosquito control takes more than a single solution. It requires a strategic, data-driven approach that adapts to changing conditions and manages mosquitoes at each life cycle stage.



### **Public Education**

Supports mosquito control programs and overall public health by empowering residents to eliminate breeding habitats and protect themselves.



### **Surveillance & Disease Monitoring**

Tracks mosquito populations, species trends, and disease presence to assess risk levels and guide targeted, data-driven control efforts.



### **Larval Mosquito Control**

Targets mosquitoes at the source by treating standing water and breeding areas before larvae develop into adults.



### **Adult Mosquito Control**

Targets active, biting mosquitoes with strategically timed applications to reduce nuisance activity and public health risks.

## A SMART APPROACH TO MOSQUITO CONTROL

As mosquito patterns change and risks continue to grow, so does the value of a coordinated approach. By working together, government leaders, community organizations, private citizens, and mosquito management professionals can achieve more effective, long-lasting, and sustainable results.



Contact our experts at [admin@vdcinet](mailto:admin@vdcinet) or call **866.403.4111** so that they can help you develop a custom IMM program to help protect public health.