• Zika, dengue, and chikungunya are arboviruses that infect humans through the bite from an Aedes mosquito.

• Arboviruses require an arthropod vector (insects and ticks) to transmit the pathogen to the host. In the absence of the vector, the pathogen usually cannot be passed to other hosts.

• Humans are the primary host for Zika, dengue, and chikungunya viruses, which are transmitted by mosquitoes that live in close proximity to humans.

DoD Points of Contact
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Pest Management Subject Matter Expert
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Armed Forces Pest Management Board
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Break the life cycle in your yard.

Adult mosquitoes sole function is reproduction. The larval mosquito is the active aquatic life stage that feeds on organic materials in its water environment. The pupal mosquito is the resting or transition aquatic life stage.
Any container that holds water for 5-7 days can breed Mosquitoes

### Artificial Containers

<table>
<thead>
<tr>
<th>Container</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bird baths</td>
<td>should be drained and re-filled at least weekly.</td>
</tr>
<tr>
<td>Pet food/water bowls</td>
<td>should be emptied and filled daily.</td>
</tr>
<tr>
<td>Flower pots</td>
<td>with bases that hold water should have the excess water drained if the pot is left outdoors.</td>
</tr>
</tbody>
</table>

**Forgotten Bird Bath** is a perfect breeding environment.

<table>
<thead>
<tr>
<th>Other Breeding sites and items to look for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discarded cans and plastic containers</td>
</tr>
<tr>
<td>Glass bottles and broken bottles</td>
</tr>
<tr>
<td>Bromeliads and axils of banana trees, coconut husks, bamboo sections</td>
</tr>
<tr>
<td>Tires, tarps, and plastic sheets</td>
</tr>
<tr>
<td>Outside Equipment, condensation lines</td>
</tr>
<tr>
<td>Barrels, water storage tanks, and livestock troughs</td>
</tr>
<tr>
<td>Obstructed roof gutters, and the upper edge of block walls</td>
</tr>
<tr>
<td>Plant pot saucers</td>
</tr>
<tr>
<td>Holes in unused construction blocks or bricks</td>
</tr>
<tr>
<td>Blocked culverts, downspouts, pipes, and French drains</td>
</tr>
</tbody>
</table>

### Breeding Areas

- **Rain barrels** or other storm-water collection containers, should be treated with mosquito larvicides or mosquito fish to prevent mosquito development.
- **Old Tires** hold rainwater and have been implicated as a primary cause of spreading the Asian Tiger Mosquito (*Aedes Albopictus*).

### Behavior - Day-time Biter

- Lives outside, but comes indoors
- May lay eggs indoors
- Lays eggs in artificial containers, Anything that can hold water
- Rests in low, shaded areas; under tables, chairs
- Rests inside damp machinery
- Bites low, ankle biters, legs, feet
- Day-time biter – also in lighted rooms at night
- Silent flier – no buzz in your ear
- Very gentle landing on skin and biting not easily felt
- Adults not active under 60°F
- Adults go inactive, not killed by cold
- Eggs laid in containers of water
- Egg to Larva to Adult in one week or less

### How to Protect Yourself

Stay inside air-conditioned or screened buildings
Wear long-sleeved shirt and long pants
Treat clothing with permethrin insecticide
Use EPA-registered insect repellant according to product label
Empty containers of water weekly
Bed netting (treated)