

## STOP MOSQUITO DEVELOPMENT

### Remember To “TIP & TOSS”

Mosquitoes need only a few tablespoons of water to breed. To eliminate mosquitoes breeding in your backyard, check the following areas and tip containers and toss any standing water:

- Roof gutters: clean out leaves and debris blocking and holding water
- Discarded cans & containers: remove, store inside or turn upside down (i.e. trash cans, trash can lids, buckets, bottles, flower pots, pet water bowls)
- Old tires: store tires where they can't collect rainwater
- Bird baths: clean and change the water twice weekly
- Wading pools: change water regularly and turn over when not in use
- Drainage ditches: keep open and free from debris holding water
- Canoes & boats: cover with a tight-fitting tarp or turn upside down
- Tarps: remove sagging areas
- Ornamental ponds: stock with small fish
- Puddle and swampy areas: drain or back fill
- Miscellaneous: Empty water from toys, wheelbarrows, wagons, unused hot tubs, rain barrels, flat roofs, plastic drain pipes and in-ground pipes
- Repair leaky pipes, outside faucets, and move house cooler drain hoses frequently
- Empty watering pans of pets daily

# MOSQUITOES!



**THEY CAN CARRY SERIOUS  
DISEASES SUCH AS:**

WEST NILE VIRUS  
ENCEPHALITIS

CANINE & FELINE  
HEARTWORMS

YELLOW FEVER

DENGUE

MALARIA

**DESTROY MOSQUITO  
BREEDING PLACES**

For Additional Information Contact:

**City of Mesquite  
Vector Control  
P.O. Box 850137  
Mesquite, TX 75185  
972.329.8715 and 972.216.8138  
[www.cityofmesquite.com](http://www.cityofmesquite.com)**

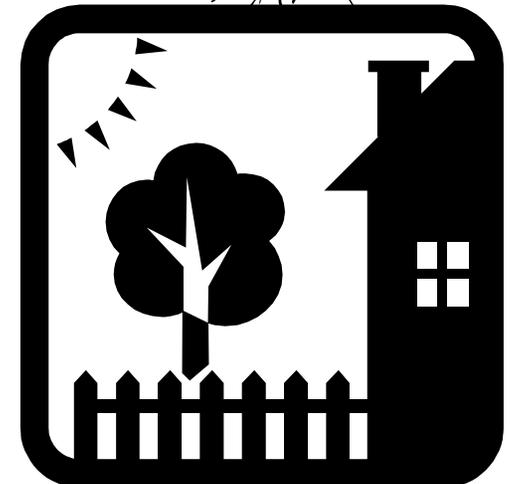
**Center for Disease Control  
Atlanta, GA 30333  
[www.cdc.gov](http://www.cdc.gov)**

**MESQUITE**  
T E X A S  
Real. Texas. Service.

# STOP

## RAISING MOSQUITOES

## IN YOUR YARD AND HOME!

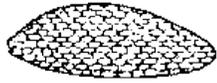


## Put the Bite on Mosquitoes Check Your Yard and Home!

### MOSQUITO DEVELOPMENT

Mosquitoes have four stages in their lifecycle—the egg, larva, pupa and adult. The first three stages occur in water, but the fourth stage, the adult, is an active, flying insect that feeds on human or animal blood.

Stage 1 - The Egg



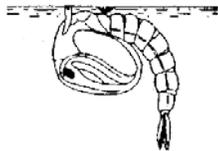
Stage 2 - Larva

1/4" long; called "wigglers"

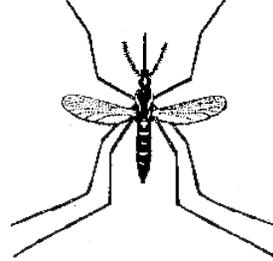


Stage 3 - Pupa

1/4" around; dark and ball-shaped;  
called "tumblers"



Stage 4 - Adult



### MOSQUITO BORNE DISEASE PREVENTION

- ◆ Remove all standing water
  - ◆ Check the integrity of screens around your home.
  - ◆ During warm months, avoid outdoor activities at dusk and dawn.
  - ◆ If you must be outdoors during hours when mosquitoes are most active, cover up with shoes, socks, long pants and long-sleeved shirts.
  - ◆ Use mosquito repellent on exposed skin and spray clothing with repellents containing permethrin or DEET (N, N-diethyl-meta-tolunamide) since mosquitoes may bite through thin clothing. When using insecticides or insect repellents, be sure to read and follow the manufacturer's directions for use. **Products containing DEET should not be sprayed on dogs or cats.**
- Adult flying mosquitoes frequently rest on grass, shrubbery, or other foliage, but they cannot develop there. All mosquitoes need water in which to pass their early life stages.
  - Some mosquitoes lay their eggs in standing water where they hatch in a day or two. Other mosquitoes lay their eggs in old tires, tin cans, or other water-holding containers in which they may remain *unhatched for weeks or months until they are covered with water*. With both types of mosquitoes, the wigglers or larvae grow quickly and turn into tumblers or pupae. Soon the skin of the tumbler splits open and out climbs another hungry adult mosquito!
  - Once an adult mosquito has emerged, and after a brief resting period, a food source is required. *Only the female mosquito bites*. Protein from the blood meal it takes will be used to produce eggs.
  - The female mosquito does not die after biting. She may feed numerous times both in the process of obtaining a single blood meal and during the course of her lifetime.

### IT'S A FACT