

# Mosquito awareness



**Did you know...** there are **3500 species** of mosquitoes in the world?



300 SPECIES IN AUSTRALIA

40 SPECIES IN TOWNSVILLE

Mosquito species vary in their **biting behaviour**

 **DENGUE MOSQUITOES** ARE MOST ACTIVE DURING THE DAY AROUND YOUR YARD

 **SALTMARSH MOSQUITOES** ARE MOST ACTIVE AT DUSK AND DAWN

Council conducts **mosquito control**



COUNCIL CONDUCTS MOSQUITO CONTROL ON PUBLIC LAND, USING **BOTH GROUND AND AERIAL TREATMENTS** TO TARGET MOSQUITO LARVAE.

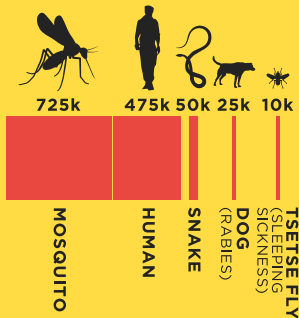
Mosquitoes wings beat **300-600 times** per second

Mosquitoes are attracted to humans FROM **THE ODOURS AND CARBON DIOXIDE** WE EXPIRE FROM BREATHING OR SWEATING.

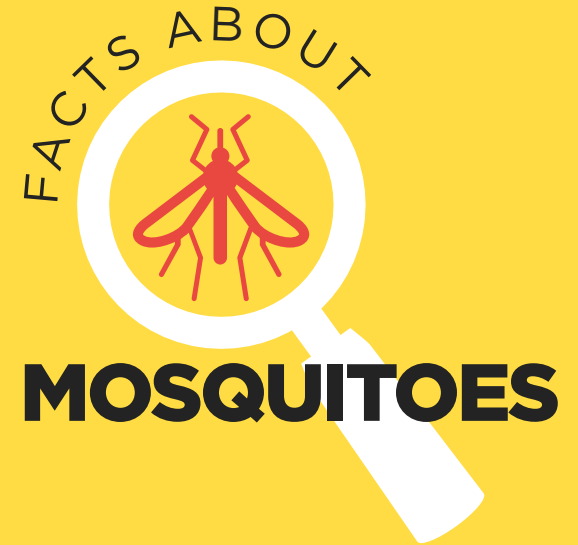


World's **deadliest** animals

NUMBER OF PEOPLE **KILLED BY ANIMALS** PER YEAR



Mosquitoes **distance of travel** from breeding point



**Mosquitoes can carry many diseases.**

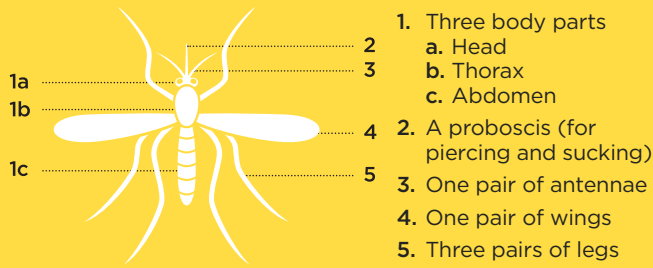
Protect yourself and your family from mosquito bites by using personal protection.



[townsville.qld.gov.au](http://townsville.qld.gov.au)  
**13 48 10**

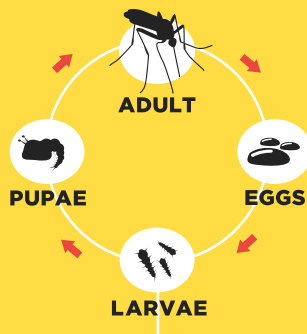
# Mosquito life cycle

A mosquito is an insect **characterised by**



Mosquitoes have 4 life stages: **egg, larvae, pupa and adult**

THE ENTIRE LIFE CYCLE, FROM AN EGG TO AN ADULT, TAKES APPROXIMATELY **6-9 DAYS**.  
THE ADULT MOSQUITO CAN LIVE FOR AROUND 2-4 WEEKS AND PRODUCE **MANY HUNDREDS OF EGGS**.



**THE COUNCIL ONLY TARGETS THE LARVAL STAGE OF THE MOSQUITO.**  
THIS LARVAL STAGE IS EASIER TO CONTROL AS THEY ARE CONFINED TO KNOWN MOSQUITO BREEDING SITES.

**Did you know...** only the **female mosquito bites!**

THE FEMALE MOSQUITO REQUIRES A BLOOD MEAL FOR EGG PRODUCTION.

FEMALE MOSQUITOES LAY THEIR EGGS IN VARIOUS ENVIRONMENTS, INCLUDING:

- CONTAINED WATER** (DENGUE MOSQUITO)
- WETLANDS AND SWAMPS**
- SALT MARSHES AND TIDAL WETLANDS**

**Did you know...** some mosquitoes don't need water to lay their eggs.

SOME LAY THEIR EGGS IN **MOIST SOIL OR IN WATER HOLDING CONTAINERS**. IT'S NOT UNTIL IT RAINS OR FLOODS THAT THEY HATCH.

# Mosquito disease



**Protect yourself** against disease-carrying mosquitoes

Mosquito borne diseases found in Townsville include **Ross River virus** and **Barmah Forest virus**.

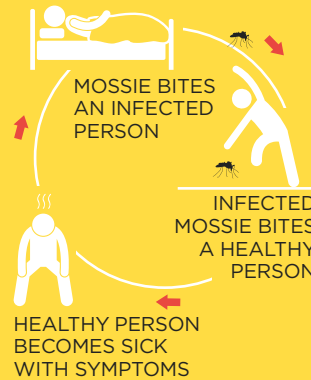
DENGUE AND ZIKA VIRUS ARE BROUGHT INTO TOWNSVILLE EITHER BY **INFECTED TRAVELLERS** OR **INFECTED MOSQUITOES**.



**Did you know...** mosquito-borne diseases are passed to humans by the bite of an infected mosquito.

IT CANNOT BE PASSED DIRECTLY BETWEEN HUMANS.  
IT ONLY TAKES A BITE FROM **ONE INFECTED MOSQUITO**.

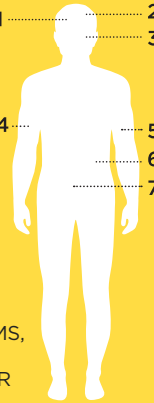
How do mosquitoes **transmit** diseases?



**Symptoms of** mosquito-borne diseases

1. Fever
2. Headache
3. Eye pain
4. Muscles aches
5. Back pain

IF YOU OR ANYONE IN YOUR FAMILY HAS SYMPTOMS, PLEASE SEE YOUR DOCTOR IMMEDIATELY. **YOU COULD INFECT SOMEONE ELSE.**



# Mosquito prevention

**Did you know...** Townsville City Council undertakes **reactive inspection** of properties within the Townsville local government area based on customer requests.

THIS PROGRAM IS VITAL IN **PROTECTING THE COMMUNITY** AGAINST MOSQUITO BORNE DISEASE.

If you are being annoyed by mosquitoes you need to **apply self-protection measures**.

**APPLY REPELLENT** REGULARLY

**SCREEN DOORS** AND WINDOWS

**USE MOSQUITO COILS** AND LANTERNS

**COVER UP** WITH LOOSE FITTING, LIGHT COLOURED CLOTHING

**LIMIT YOUR EXPOSURE** DURING PEAK MOSQUITO ACTIVITY TIMES

Control the mosquito and you will control the disease.

**It's your responsibility.**

**Dengue.** Do your weekly yard check.

**ARE YOU MAKING DENGUE MOSSIES WELCOME AROUND YOUR HOME?**

TAKE RESPONSIBILITY TO PROTECT YOURSELF AND YOUR FAMILY BY CHECKING YOUR YARD FOR ANYTHING THAT CAN HOLD WATER.

**Where do** mosquitoes breed?

**CHECK POTENTIAL BREEDING SITES** WEEKLY, INCLUDING:

1. Bird bath
2. Palm frond
3. Sump pit
4. Bucket
5. Boat
6. Bromeliad
7. Tyre
8. Toys
9. Pot plants
10. Roof gutter
11. Water tank

