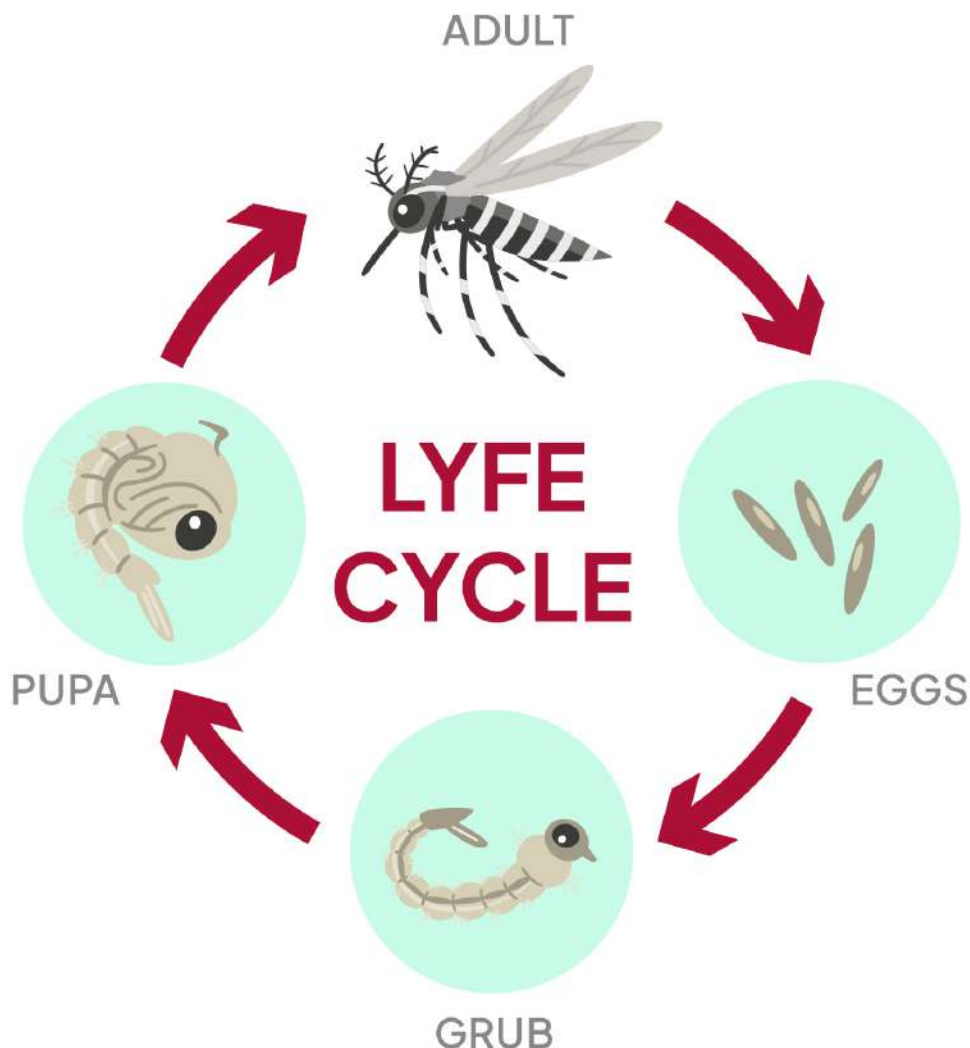


TIGER MOSQUITO BIOLOGY

- ▶ **Invasive species** from Asia
- ▶ The **female** is the one that **bites** to mature the eggs
- ▶ Its **chopping activity** is during the day
- ▶ It can **transmit diseases** such as dengue, zika or chikungunya



MARSH MOSQUITO BIOLOGY

- ▶ One of the **most common species** of these environments is ***Aedes caspius***
- ▶ They **develop in flood-prone** marsh areas, depending on the rainfall regime
- ▶ **The grub develop all at the same time**, causing an “explosive” emergence of adults
- ▶ They are very **aggressive**
- ▶ They are **active during the day**, and can **fly long distances**



HOW ARE THEY FIGHTED?

- ▶ Carrying out **biological treatments**
- ▶ **Bti** (*Bacillus thuringiensis*) is very **selective** and only affects mosquito larvae and black fly
- ▶ **Larvicidal treatments** are **prioritized** due to their effectiveness, which prevent the development until adult stage
- ▶ **Weekly actions** are carried out in the areas of marsh and are reinforced after rainfall or accidental flooding



HOW CAN CITIZENS HELP?

- ▶ **Keeping your flood-prone plots** in good condition
- ▶ **Cleaning plots**, so that they are free of weeds as reeds that make management and treatment difficult
- ▶ **Maintaining ditches and water outlets** to facilitate the evacuation of water
- ▶ **Avoiding water accumulation** due to **excessive irrigation**
- ▶ **Chlorinating** irrigation ponds or protecting them with **1 mm thick meshes**
- ▶ **Avoiding** containers that can **accumulate water** in the outdoors
- ▶ **Collaborating** with city councils and the **Provincial Council**

**CITIZEN COLLABORATION IS FUNDAMENTAL
IN THE FIGHT AGAINST MOQUITOS**



PLACES TO AVOID WATER

► **Avoid standing water for more than 2–3 days in a row**



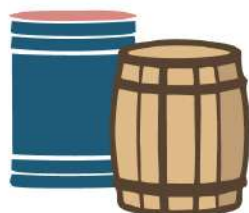
Avoid waterlogging in the garden



Keep ornamental fountains clean and disinfected



Cover tree holes with sand or plaster



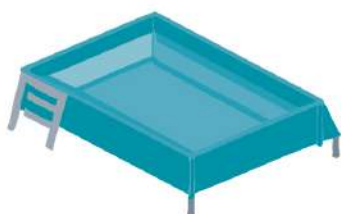
Cover the water collection containers with mosquito nets 1mm mesh



Avoid accumulations of water on car wheels



Renew frequently the water deposited in the pot plates



Avoid accumulations of water in covers that cover swimming pools and other garden elements



Avoid accumulations of water in buckets, watering cans and containers exposed to the elements



Avoid accumulations of water on umbrella feet, rain gauges...



Empty frequently the water dish of domestic animals



Clean drains and gutters

SELF-PROTECTION OF THE CITIZENSHIP



Use mosquito repellents with DEET, Icaridin, IR3535 or Citriodiol on exposed skin, following the labeling instructions and/or product leaflet before application

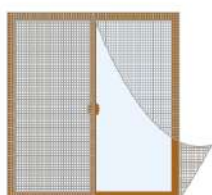


In **babies under two months**, always use **physical barriers** such as mosquito nets to cover cribs and strollers, avoiding the use of repellents

In **babies with more than two months**, if necessary **repellents**, it is especially advisable to consult the manufacturer's and **pediatrician's** recommendations



In the face of extraordinary situations with a **high incidence of mosquitoes**, **avoid outdoor activities** during busiest hours



In areas with a high presence of mosquitoes, **equip homes with mosquito nets** to prevent access to the interior



If you travel to a **foreign country where endemic diseases exist** such as dengue, zika or chikungunya, have received bites there and **notice certain symptoms**, **go to your health center** and tell them