

Monthly ovitrap index for Aedes albopictus of December 2018 remains at low level

The Food and Environmental Hygiene Department (FEHD) announced today (January 14) that the monthly territory-wide ovitrap index for *Aedes albopictus* dropped from 0.8 per cent in November to 0.1 per cent in December last year, indicating that the infestation of *Aedes albopictus* in the areas surveyed was not extensive and the ovitrap index remained at a low level.

"*Aedes albopictus* is a kind of mosquito that can transmit dengue fever (DF) and Zika virus. Despite the fact that the ovitrap index for *Aedes albopictus* continued to drop, in view of the 29 local DF cases recorded in Hong Kong last year, and that DF is highly prevalent in neighbouring areas while the breeding and activity of mosquitoes also continue in the winter season, the community should remain vigilant and carry out anti-mosquito measures during the year-end clean-up period to minimise the risk of mosquito-borne disease," an FEHD spokesman said.

Among the 57 areas surveyed last month, positive ovitrap indices were recorded in four areas, ranging from 0.7 per cent to 1.9 per cent, with Aberdeen and Ap Lei Chau ranked highest. As for the port areas, the monthly ovitrap index for *Aedes albopictus* for December fell to zero per cent from 0.04 per cent in November.

"The FEHD and relevant government departments will continue to intensify their mosquito prevention and control work covering areas under their purview and strengthen publicity and education campaigns. The year-end clean-up operation has commenced on January 11 this year, during which mosquito control work has been enhanced. The district offices of the FEHD will also target at areas which have drawn particular concerns, such as single-block buildings, village houses, construction sites, areas previously detected with local DF cases, and container terminals and cargo working areas in port areas, to intensify mosquito prevention and control work throughout winter," the spokesman said.

The department's Pest Control Inspection Teams also stepped up inspection of construction sites and enforcement action against mosquito breeding. As at December 31, 2018, the FEHD had instituted 206 prosecutions for mosquito breeding found in relevant premises under the Public Health and Municipal Services Ordinance (Cap 132), comprising 197 cases involving construction sites and nine cases involving other premises.

In order to keep the public abreast of the latest situation of mosquito infestation and assist them to take timely mosquito prevention and control measures, the FEHD is releasing additional results of the Area Ovitrap Index (AOI) for *Aedes albopictus* at two more stages every month, before the

announcement of the monthly AOI and the monthly ovitrap index for *Aedes albopictus*. The FEHD will follow the established practice of notifying relevant government departments of the aforementioned indices so that they can carry out targeted mosquito prevention and control work promptly to strengthen the anti-mosquito efforts.

The spokesman added that as *Aedes albopictus* breeds in small water bodies, members of the public should continue to carry out effective mosquito prevention and control measures, including inspecting their homes and surroundings to remove potential breeding grounds, scrubbing vases and pot plant saucers at least once a week, properly disposing of containers such as soft drink cans and lunch boxes, and drilling large holes in unused tyres. He also advised the public and estate management bodies to keep drains free of blockage and fill up all depressions to prevent puddles from forming. They should also scrub all drains and surface sewers with an alkaline detergent compound at least once a week to remove any mosquito eggs.

In addition, rural areas and the vicinity of shrubby areas are the natural habitats for mosquitoes, other insects and animals. Members of the public living in rural areas may install mosquito screens on windows and doors if necessary. Those staying in the natural environment should follow appropriate personal protective measures against mosquitoes, such as avoiding staying in the vicinity of shrubby areas for a long time, wearing light-coloured long-sleeved clothes and trousers and applying DEET-containing insect repellent. Members of the public are reminded to make reports to the government departments via 1823 if mosquito problems are detected.

The spokesman reiterated that effective mosquito control requires the sustained effort of all parties concerned. The community must work together with the Government to carry out effective mosquito control measures.

He also reminded travellers to take the following precautionary measures when visiting areas where mosquito-borne diseases are prevalent during the Lunar New Year holidays:

- * Wear light-coloured, long-sleeved clothes and trousers;
 - * Use insect repellents over exposed parts of the body when outdoors;
- and
- * Use mosquito screens or nets when a room is not air-conditioned.

Travellers returning from these places should seek medical advice if they have symptoms such as fever, severe headache or muscle and joint pain. They should also inform their doctor of their travel history.

The ovitrap index is divided into four levels, reflecting the infestation level of *Aedes albopictus*. Level 1 (< 5 per cent) indicates that infestation of the mosquito is not extensive in the area surveyed. Level 2 (5 per cent – < 20 per cent) indicates that infestation of the mosquito is slightly more extensive in the area surveyed. Level 3 (20 per cent – < 40 per cent) indicates that infestation of the mosquito exceeds one-fifth of the area surveyed. Level 4 (>= 40 per cent) indicates that almost half of the

surveyed area is infested with the mosquito. The Government will step up the scale of anti-mosquito operations according to the level of infestation as well as reports from front-line staff and the public.

As *Aedes albopictus* can transmit DF and Zika virus, ovitraps are set in 57 areas in Hong Kong for monitoring the breeding of *Aedes albopictus*, which is only one of the mosquito species commonly found in Hong Kong and is active only in the daytime. The index does not capture the activity of *Aedes albopictus* outside the 57 areas and it also does not measure the prevalence of other kinds of mosquitoes.

The ovitrap indices for *Aedes albopictus* in different areas and information on mosquito prevention and control measures are available on the department website at www.fehd.gov.hk.