

CONTROLLING OFFICER'S REPLY

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(Question Serial No. 2874)

Head: (49) Food and Environmental Hygiene Department

Subhead (No. & title): (-) Not specified

Programme: (2) Environmental Hygiene and Related Services

Controlling Officer: Director of Food and Environmental Hygiene (Donald NG)

Director of Bureau: Secretary for Environment and Ecology

Question:

As regards mosquito control, please advise this Committee of:

1. the number of mosquito complaints received by the Food and Environmental Hygiene Department in each of the past 3 years, with a breakdown by District Council district;
2. the technological applications employed by the Department for enhancing mosquito control in each of the past 3 years, with a breakdown of expenditure by application; and
3. the number of the existing large ultra-low volume foggers and the number of fogging operations conducted by the Department to kill adult mosquitoes in the past year, with a breakdown by District Council district.

Asked by: Hon YANG Wing-kit (LegCo internal reference no.: 12)

Reply:

1. The number of mosquito complaints received by the Food and Environmental Hygiene Department (FEHD) in each of the past 3 years (from 2023 to 2025), with a breakdown by District Council district, is provided in **Annex 1**.
2. The information on the technological applications employed by FEHD for enhancing mosquito control in the past 3 years (from 2023 to 2025), with a breakdown of expenditure by application, is provided in **Annex 2**.
3. There are currently 20 large ultra-low volume (ULV) foggers available for use in all districts. The number of fogging operations conducted by FEHD to kill adult mosquitoes in the past year, with a breakdown by District Council district, is provided in **Annex 3**.

**Number of mosquito complaints received by FEHD
(with a breakdown by District Council district)**

District	2023	2024	2025
Central and Western	278	275	473
Wan Chai	116	83	217
Eastern	280	314	283
Southern	142	145	198
Islands	202	181	238
Yau Tsim Mong	236	295	371
Sham Shui Po	101	94	230
Kowloon City	117	91	307
Wong Tai Sin	83	110	181
Kwun Tong	137	193	242
Kwai Tsing	359	36	190
Tsuen Wan	174	230	254
Tuen Mun	340	359	522
Yuen Long	1 042	824	991
North	323	319	478
Tai Po	400	497	539
Sha Tin	340	317	395
Sai Kung	453	440	627
Whole territory	5 123	4 803	6 736

Technological applications for mosquito control and the expenditures incurred

Technological application for mosquito control	Effectiveness	Expenditure		
		2023-24	2024-25	2025-26 (Revised estimate)
New mosquito trapping device	FEHD tested the new mosquito trapping device in 2019. Test results showed that the new mosquito trapping device was effective in minimising the nuisance caused by <i>Aedes</i> mosquitoes. FEHD has introduced the use of the device in its regular anti-mosquito work and recommended the technology to other departments.	Around \$200,000	Around \$200,000	Around \$1.86 million
Large ULV fogger	FEHD tested the large ULV fogger between April and July 2020. Test results showed that the fogger was suitable for conducting ULV space treatment over a large area, and its spray range was longer than the knapsack sprayer being used. The fogger was more effective in killing adult mosquitoes in the fogging treatments conducted in scrubby areas. FEHD has introduced the use of large ULV foggers in its regular anti-mosquito work in the same year.	N.A. ^{Note}	N.A. ^{Note}	Around \$310,000
Robotics fogger	FEHD conducted field trials between April and November 2021. The vehicle, with the robotics fogger installed, was driven to designated places to spray pesticides. Test results showed that it was safe, effective and user-friendly. The range of the sprayer was	Around \$490,000	Around \$470,000	Around \$2.13 million

Technological application for mosquito control	Effectiveness	Expenditure		
		2023-24	2024-25	2025-26 (Revised estimate)
	wider than that of the knapsack sprayer being used. The robotics fogger could facilitate fogging operations in large areas and was particularly useful in killing adult mosquitoes in places that were difficult for workers to reach, such as well-vegetated hill sides. FEHD has introduced the use of robotics foggers in its regular anti-mosquito work since 2022. The technology has been recommended to other departments, and on-site demonstrations on the operation of robotics foggers have also been arranged.			
Fogging operations carried out by robot dogs to eliminate mosquitoes	In order to enhance the efficiency of mosquito control and optimise the deployment of manpower resources, FEHD has, in collaboration with the Electrical and Mechanical Services Department (EMSD), deployed industrial grade robot dogs to carry out fogging operations in areas with different geographical features. The modified robot dogs underwent field trials in September 2025 with promising results.	N.A. ^{Note}	The cost was borne by EMSD	Around \$1.62 million

Note: FEHD did not procure the equipment in the year.

**Number of fogging operations conducted by FEHD to kill adult mosquitoes
(with a breakdown by District Council district)**

District	2025
Central and Western	1 675
Wan Chai	1 615
Eastern	2 024
Southern	1 176
Islands	1 841
Yau Tsim Mong	423
Sham Shui Po	2 525
Kowloon City	4 614
Wong Tai Sin	3 231
Kwun Tong	957
Kwai Tsing	1 387
Tsuen Wan	2 140
Tuen Mun	3 256
Yuen Long	2 921
North	966
Tai Po	560
Sha Tin	837
Sai Kung	4 783
Whole territory	36 931

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