



BORDER HEALTH NEWSLETTER

June 2024

NAU MAI, HAERE MAI - WELCOME!

Kia ora koutou katoa,

Winter has definitely arrived and we hope everyone is keeping warm and dry. Another short newsletter and another busy month; Nelson Port Interception surveillance is ongoing and Shanghai air can exotic response continued. We have also been busy with the supply of routine surveillance equipment and consumables, and maintenance of traps, ensuring you have what you need to continue your winter surveillance programme. Mosquito numbers for this month are below, as always, we very much appreciate everyone's efforts and support!

We very much wish to welcome the safe arrival of Francisco Halloy-Musicante. A huge congratulations to Mariana and family, we are all thrilled for you and delighted to be able to let everyone know you are both home and doing well.

SURVEILLANCE

During June a total of 1623 routine surveillance, enhanced surveillance, and various survey samples were collected by staff from 12 PHUs. The samples included 57 positive larval samples and 69 positive adult samples, leading to a total of 1225 larvae and 149 adults identified over the past month (Table 1).

Table 1. Adult and larvae sampled by the New Zealand surveillance program during June 2023 & 2024

Species (common name)	Adults		Larvae	
	June 24	June 23	June 24	June 23
<i>Aedes antipodeus</i> (winter mosquito)	-	1	-	-
<i>Ae notoscriptus</i> (striped mosquito)	86	4	679	842
<i>Cx pervigilans</i> (vigilant mosquito)	4	7	102	1871
<i>Cx quinquefasciatus</i> (southern house mosquito)	53	49	371	4931
<i>Culex</i> sp.	6	1	49	-
<i>Opifex fuscus</i> (rock pool mosquito)	-	-	24	10
Total	149	62	1225	7654

Aedes notoscriptus is the dominant larval species this month, which is different to the previous month and this month last year where *Culex quinquefasciatus* was the dominant larval species (Table 1).

Compared to this same month last year, the total number of larvae has shown a decrease (84%, and adults has shown an increase (140%) (Table 1).

Compared to the previous month, the total number of larvae and adults have shown a



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decrease (81% and 36% respectively).

The highest number of larvae sampled this month was obtained in Northland (441 larvae) followed by Bay of Plenty (266 larvae) and Nelson Marlborough (257 larvae).

In total, four mosquito species have been collected this month (Table 1), the same number collected last month.

INCURSIONS AND INTERCEPTIONS

During June, HPOs responded to one suspected interception (Table 2).

During the month of June, Northern Region – Auckland have also continued to respond to mosquitoes collected in air cans at Auckland International Airport, with a total of 17 samples collected, resulting in 16 *Culex pipiens molestus/pallens*, 5 *Culex quinquefasciatus* and 1 *Culex* species which was too damaged to distinguish between *Culex pipiens molestus/pallens* and *Culex quinquefasciatus*.

Nelson Marlborough HPOs also continue their response following the *Culex pipiens molestus* found in a routine sample at Nelson Port last month. Further specimens of this species have been found, including an adult caught in one of the enhanced surveillance traps, and adults that were spotted near water tanks by some eagle eyed HPOs.

Table 2. Suspected interception during June 2024

Date	Species	Location	Circumstances
26.06.2024	No specimen	Transitional Facility Tauranga	Potential mosquitoes seen flying when a container from Australia was opened. Traps were deployed at the site and the container was fumigated.

RISK MAPS

[Dengue Map](#) – Centres for Disease Control and Prevention

[Zika Map](#) – Centres for Disease Control and Prevention

[Malaria](#) – Centres for Disease Control and Prevention

[Malaria](#) – World Health Organisation

DISEASE OUTBREAKS

To find out where the latest disease outbreaks have occurred visit:

[Epidemic and emerging disease alerts in the Pacific region](#) - Produced by the Pacific Community (SPC) for the Pacific Public Health Surveillance Network (PPHSN).

[Disease Outbreak News](#) - World Health Organization.

[Public Health Surveillance](#) - Institute of Environmental Science and Research (ESR) - Information for New Zealand Public Health Action.

[Communicable disease threats report](#) - European Centre for Disease Prevention and Control