

Guidelines title [In English]

**Vondst exotische mug: Wat nu? NVWA Draaiboek
[The Finding of an Exotic Mosquito: What to do? NVWA scenario]**

Year of edition

First release 2011, last update 2014

Summary

Objectives:

This document contains the surveillance and control scenarios that will go into play when an *Aedes* invasive mosquito species (AIMs) is found outdoors. Since 2009 the Centre for Monitoring of Vectors (CMV, part of NVWA) implement surveillance at locations with high risk of importing an AIMs, and since 2009 invasive AIMs have been yearly found “outdoors” at used tyre companies. When CMV finds and confirms an AIMs at a used tyre company, the mosquito control coordinator within the Netherlands Food and Consumer Product Safety Authority (NVWA) is notified. The coordinator then sends this notification to the National Institute for Public Health and Environment (LCI/RIVM). The vector response team of the RIVM informs the local Dutch Public Health Service (GGD). The response team also advices on what actions need to be taken, the Dutch ministry makes the call on whether or not mosquito control actions need to be taken. The coordinator within the NVWA sets the control actions in motion together with a Technical Advisory Team (TAT, group of experts) and contacts the municipalities and local residents of the area. After the finding of an AIMs, the surveillance will be intensified by CMV (described under methods).

Targeted AIMs:

According to the document:

- *Aedes albopictus*
- *Aedes aegypti*
- *Aedes atropalpus*
- *Aedes japonicus*

Methods:

- Surveillance methods:
An intensive surveillance will start after the finding of an AIMs at the location under surveillance. This means that the mosquito traps (Biogents adult traps) at the location will be checked every week (instead of standard bi-weekly) and there will be an intensive sampling of larvae inside the tyres at the company during several weeks after the finding. Additional adult mosquito traps will be placed within the 200 m perimeter of the used tyre company and there will be an intensive larval sampling at the breeding sites within the 500 meter perimeter from the company. When another AIMs is found during the actions, new areas with 200 m and 500 m radius from the finding locations will be defined, and mosquito control will be applied in this area and additional traps will be placed. This will be done in consultation with a ‘technical advisory team’ consisting of experts.
- Risk level ranking:
At high risk locations such as used tyre companies or when a mosquito is reported by a citizen.
- Period of activation:
The standard surveillance in the Netherlands starts at the beginning of May, and ends at the beginning of November.
- Other:
Control actions are carried out after a finding of an AIMs, this is done by professionals and under supervision of NVWA inspectors. Larviciding (Bti) and adulticiding with pyrethroids is done at the company and eventually in the direct surroundings. Source reduction and larviciding with VectoMax (Bti + Bs) is done in the 500 meter surroundings. Details on mosquito control are specified in this

document.

Audience:

All parties involved in the surveillance and control of AIMs

Scale (national/local):

Parties are involved at a national scale

Technical annexes:

Annex 1: step-by-step description of actions following a finding of an exotic mosquito species

Annex 2: description of intensive vector surveillance and sampling

Annex 3: descriptions for the NVWA inspector on how to send in a sample

Annex 4: chronological description of procedures to be followed by NVWA inspectors during intensive surveillance

Annex 4: flowchart on policy level for decision making after the finding of an exotic mosquito

Annex 5: composition of the Technical Advisory Team (TAT)

Annex 6a: format form for reporting an exotic mosquito

Annex 6b: example agenda for meetings with municipalities and local Dutch Public Health Service (GGD)

Annex 6b: letter to used tyre company after finding of an exotic mosquito

Annex 6c: letter to local residents to a used tyre company (200m)

Annex 6d: letter to local residents to a used tyre company (500m)

Annex 6e: information leaflet for local residents

Annex 6f: concept press release

Specificities:

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