

Experiences from Sweden regarding control of mosquitoes by aerial spraying

Background

- *Aedes sticticus*
- Flooded areas, mainly along the river of Dalälven, reproduction areas
- Nuisance to man and animals in the area
- Partly protected areas according to EU legislation (Natura 2000)

The application

- The pesticide Vectobac (*Bacillus thuringiensis israelensis*, Bti) is authorized by Kemi
- For control of mosquito larvae in water habitats
- Aerial spraying is banned -> apply for exemptions from the Swedish EPA on yearly basis
- For use in protected area, the application for permission referred to the Swedish government

The application of 2016

- Total areal: 11671 ha, approx. 50% protected
- Application technique: mainly by helicopter but also manually
- Number of applications: 4, 200 tonnes max.
- Specific conditions:
 - follow up of possible effects in the environment
 - alternative methods (traps, grazing, ground processing, Classical SIT)
 - 5000 mosquitoes/trap/night
 - urban area
 - breeding areas for the wood pecker *Dendrocopos leucotos* should not be disturbed