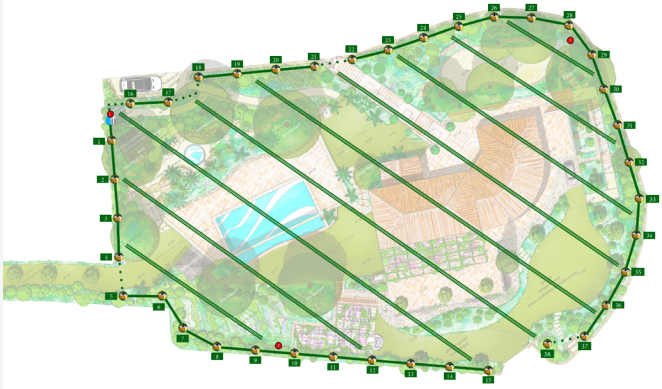
BioBelt

BioBelt Mosquito Control Carbon Dioxide diffusion

In a context of global warming, it should be noted that not only does BioBelt Mosquito Control use for the most part recycled Carbon Dioxide, but most of all that its distribution in the network of Trap Modules is specifically controlled and measured, thanks to a very fine programming technology, offering the best “minimum flow rate / attractiveness efficiency” ratio, according to a precise time control protocol.



Example of an average Belt System making it possible to protect, depending on the topology of the garden, an area from 2000 to 2500 m2

For the entire season, a protection of 35 Trap Modules diffuses 560 kg of Carbon Dioxide

=

The equivalent of the Carbon Dioxide exhaled by 1.5 average adult over the same period

This comparison between people breathing and a 35 Trap Modules protection is based on the seasonal activity of the protection system in a temperate climate, approximately 210 days per year. Each Trap Module diffuses 76.19 g of Carbon Dioxide per day. The total Carbon Dioxide diffused is thus 560 kg.

An average adult diffuses 1 kg of Carbon Dioxide per 24 hours, or **365 kg** of Carbon Dioxide per year.*

**Carbon Dioxide Information Analysis Center*: https://cdiac.ess-dive.lbl.gov/faq.html

A dairy cow diffuses 356 g of Methane per 24 hours equivalent to **3248.5 kg** of Carbon Dioxide per year.*

**Projet Greencow*: https://librairie.ademe.fr/produire-autrement/574-greencow-quantification-des-emissions-individuelles-de-methane-des-bovins.html
Environmental Protection Agency: https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

A Paris / Nice flight carrying an average of 131.5 passengers diffuses **10281.19 kg** of Carbon Dioxide, or 0.116 kg per kilometer and per passenger.*

*ADEME: https://www.bilans-ges.ademe.fr/fr/
DGAC: https://eco-calculateur.dta.aviation-civile.gouv.fr/