

CLAIMS

1. A complex mosquito trap for outdoor spaces comprising:
 - several individual traps in an array supplied with CO₂, the individual traps being arranged along a separation line separating the potential mosquito sources from the outdoor spaces to be protected, each individual trap having a fan capable of creating a suction cone to capture the mosquitoes;
 - a CO₂ distribution station comprising the CO₂ source and a CO₂ control unit that comprises a central flow limiter distributing CO₂ to the individual traps by an array of tubes and
 - a low-voltage distribution network comprising one or more transformers and electrical wires supplying the individual traps,
 characterized in that it comprises in combination:
 - a distance between each individual adjacent trap not exceeding 12 meters,
 - a CO₂ flow in each individual trap exceeding 0.5 g/h per meter of distance between adjacent traps, and
 - the presence of a centralized flow regulator and a flow limiter in each trap.
2. A complex mosquito trap according to Claim 1, characterized in that each individual trap also comprises a mosquito lure.
3. A complex mosquito trap according to Claim 1 or 2, characterized in that it comprises from 4 to several tens of individual traps.
4. A complex mosquito trap according to Claim 3, characterized in that the individual traps are supplied with CO₂ by an in-series distribution network or a mixed in-series/star distribution network.
5. A complex mosquito trap according to any one of Claims 1 to 4, characterized in that the CO₂ source comprises one or two tanks of compressed CO₂.
6. A complex mosquito trap according to any of Claims 1 to 4, characterized in that the CO₂ source comprises a device capable of producing CO₂ from ambient air.

7. A complex mosquito trap according to any preceding claim, characterized in that the CO₂ flow in each individual trap is between 1 and 2.5 g/h per meter of distance between adjacent traps and preferably 1 or 1.5 or 2.5 g/h per meter of distance between adjacent traps.
8. A complex mosquito trap according to any preceding claim, characterized in that the centralized CO₂ flow is adjusted in proportion to the cyclic ratio of a two-position electrovalve and by the application of an absolute pressure of CO₂ upstream of the centralized flow limiter greater than double the absolute pressure downstream.
9. A complex mosquito trap according to any preceding claim, characterized in that each individual trap comprises two separate compartments enabling the concentration of CO₂ and lure at the surface of the individual trap.
10. A complex mosquito trap according to any preceding claim to eliminate mosquitoes present in an outdoor space and to prevent more mosquitoes from penetrating therein.