



BG-M

Outdoor Mosquito Trap Co2

Outdoor power supply specification:

AC Plug: 100-240 V AC, 50-60 Hz

DC plug: Biogents waterproof type II, 12 V DC

IP grade 68, outdoor suited



+



Type	Order No. / Description	
Outdoor mosquito trap, especially effective against tiger mosquitoes	10101 The BG-Mosquitaire trap is delivered with everything you need to run the trap:	
	<ul style="list-style-type: none"> · 1x funnel net · 2x catch bag · 1x outdoor power supply unit with 8m cable · 1x BG-Sweetscent dispenser (lasts up to 2 months) 	
	* Other connections are available upon request	
BG-Booster CO ₂ upgrade set	10090 To upgrade the BG-Mosquitaire trap. Comes complete with the following:	
	<ul style="list-style-type: none"> · 1x Biogents CO₂ emitter nozzle · 1x CO₂ tube (5 m) · 1x pressure reducing regulator with pressure gauge and a knob to adjust pressure and CO₂ flow rates (for gas cylinders with valves (W21.8 x 1/14 " to DIN 477*)) 	
	CO ₂ cylinder must be sourced separately	
	* Other connections available upon request	



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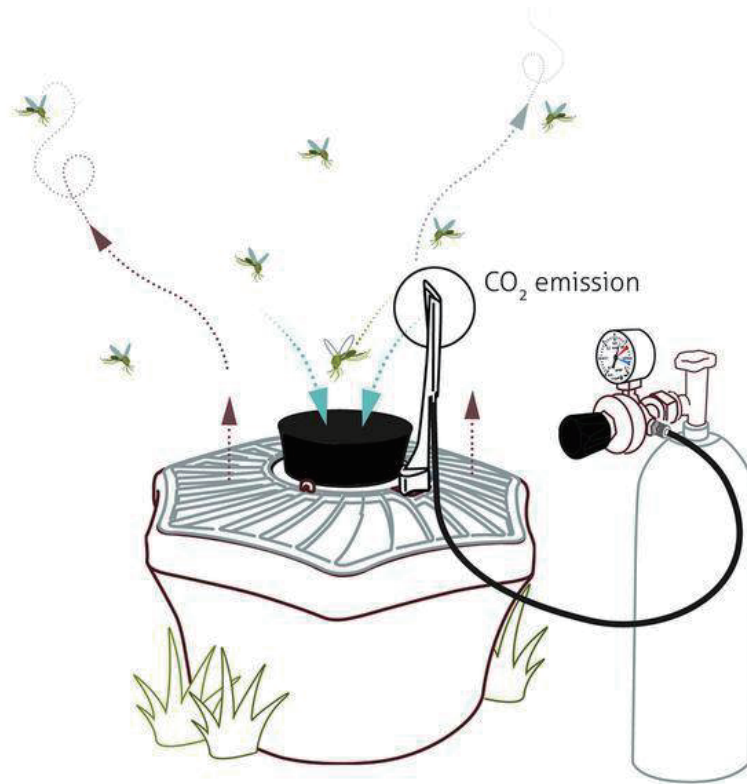


Biogents Trap System

The "Biogents Trap System" combines the different trap types. The perfectly tuned teamwork of the Biogents Trap System guarantees the most effective success outdoors and indoors.

Biogents Trap System Stronger together 	BG-Mosquitaire + CO ₂	BG-Mosquitaire	BG-Home	
	 	 	 	
Description	Outdoor mosquito trap	Outdoor mosquito trap	Indoor trap against mosquitoes and other flying insects	
Targeted mosquitoes	effective against all mosquito species incl. house and flood water mosquitoes	especially effective against tiger mosquitoes	especially effective against tiger mosquitoes	
Characteristics of target mosquitoes	night or day biting, wide variety in characteristics	day biting, small, black/white striped, very aggressive	day biting, small, black/white striped, very aggressive	
What it does	reduces biting	reduces biting	reduces biting	
Trap type	high performance trap	tiger mosquito trap	mosquito & insect trap	
Use	yard / outdoor	yard / outdoor	indoor / covered terrace	
Power	✓	✓	✓	
Warranty	1 years	1 years	1 years	
In the Box				
Trap	✓	✓	✓	
Attractant	✓	✓	✓	
CO ₂ attachment	✓	not needed	not needed	
Catch bag	✓	✓	not needed	
Sticky cards	not needed	not needed	not needed	
Features				
Indoor			✓	
Yard	✓	✓		
CO ₂	✓	✓	not recommended	
Light	not recommended for outdoors		✓	
Biogents patented trap technology	✓	✓	✓	
Biogents mosquito attractant technology	✓	✓	✓	





The BG-Mosquitaire CO2 US is an excellent trap for all mosquito species and other flying blood-feeding insects. The sturdy plastic trap is designed to be placed on the ground. It uses the same patented capture technology of all Biogents traps with the additional use of pure CO₂, which is an attractive key element of human respiration and the most important attractant for blood-feeding insects.

Carbon dioxide (CO₂):

CO₂ is the most important attractant for the majority of blood-sucking insects. The gas is present in the breath of humans and animals. It is only present in minimal amounts of around 0.04% in the air. Human breath contains about 4%, and an adult human emits approximately one kilogram of carbon dioxide per day.

Biogents suggests CO₂ from 10 kg bottles which are also used in pubs and restaurants. Such a bottle lasts for three to seven weeks depending on the flow rate used. The flow rate can be adjusted to the local situation. We recommend a consumption of about 0.5 kg/day. CO₂ bottles are available at gas stores and gastronomy suppliers. More information on CO₂ can be found [here](#).

The trap has been designed to simulate a human being. It features a patented combination of attractive visual signals and a specially designed mix of artificial skin emanations ("BG Sweetscent" - effective for two months) that are released into the environment through an air plume that mimics convection currents created by a human body.

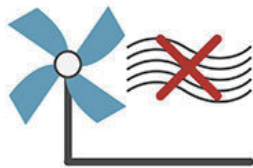
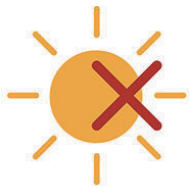
The BG-Mosquitaire CO₂ attracts the mosquitoes and captures them with the help of a ventilator before they can reach the patio to bite you. If the trap is correctly positioned and runs continuously throughout the season, it will effectively decrease the mosquito population, and you can enjoy your patio again.

Correct positioning and application are important factors for effective mosquito control

When traps are properly positioned and run continuously throughout the mosquito season, they will efficiently and permanently decrease the mosquito population.

There are some general guidelines for optimum positioning of the trap, however, it is important to realize that every property has its own unique characteristics. So to find the best position with the highest catch rates, test different locations!

Generally we recommend



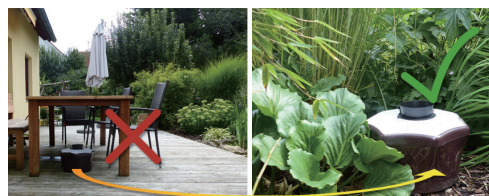
When

The trap should be put out when the average temperature has risen above 15° C (60° F). Above this temperature, adult mosquitoes fly actively. It is best to catch the mosquitoes as early in the year as possible, before they have a chance to reproduce and lay their eggs. It is important to make sure that the ventilator of the trap runs 24 hours a day.

Where

The goal is to catch the mosquitoes before they reach you. Therefore, it is important to choose a position near the resting areas of the mosquitoes. During the day, mosquitoes spend their rest periods in shady, wind-protected vegetation. If you place the trap here, you can catch the mosquitoes before they reach and bite you.

Overhanging plants and bushes often form an empty space underneath. This is an ideal location for the trap if it provides enough space, both for the air currents and for the visibility of the trap.



*Do not place the trap directly on the deck. If you place the trap in shady places or bushes near the deck, you will catch the mosquitoes near their resting areas, before they reach the deck and bite you.

Resting locations

Resting places of mosquitoes can also be locations with higher humidity such as wells, drains, basements, etc. They also like piles of wood where they can easily hide.



Breeding areas

Breeding areas for *Aedes albopictus* and *Ae. aegypti* are usually water holding containers such as rain barrels, saucers under outdoor plants, black corrugated downspout extensions, and unused buckets, pots and other containers around garden sheds. Placing a trap near larval habitats can be effective, however, always take care of choosing a position that is protected from the sun and wind!

Here some further examples for bad (left) and good (right) positioning of the mosquito trap:



Heavy rainfall

The trap will not be affected by normal amounts of rainfall, however it is best to place the trap in a sheltered location when possible. Naturally sheltered positions are, for example, under trees or shrubs, or any other covered area. Because mosquitoes avoid rain, and seek sheltered positions, catch rates can be higher in well placed traps.






Even though rainfall does not damage the trap, there are possible negative effects that might decrease the catch rate:

Heavy rainfall can disrupt the airflow by clogging the pores of the cover. This causes a reduction in the suction power of the ventilator, and also a reduction of the catch rate. For this reason, it is always advisable to shelter the trap from heavy rainfall.










Biogents ‘ Skin Odor Dispensers

Biogents ‘ skin odors are patented and are the result of 16 years of academic research into the host-finding behavior of mosquitoes at the Zoological Department of the University of Regensburg, Germany.

The light and permeable dispensers guarantee an optimally timed release of the scent. The odor enhances the attractiveness of the traps for mosquitoes that prefer to feed on humans, especially for tiger mosquitoes.

Type	Order No. / Description	
BG-Sweetscent for the BG-Mosquitaire trap +/- CO ₂	10536 The BG-Sweetscent is an artificial human skin odor that is formulated to last for two months. To catch tiger mosquitoes (<i>Aedes albopictus</i> and <i>Aedes aegypti</i>), the BG-Sweetscent synergistically enhances the attractiveness of the mosquito trap. For all other mosquito species, the BG-Sweetscent should be used in combination with CO ₂ (BG-Mosquitaire CO ₂). The BG-Sweetscent is suitable for use in Biogents ‘ outdoor suction mosquito traps and also helps to improve the tiger mosquito catch rates of many other mosquito trap types.	
Set of 3 BG-Sweetscents	10536-3 Set of 3 BG-Sweetscents for the BG-Mosquitaire trap +/- CO ₂ for the whole season (six months).	
BG-Homescent for the BG-Home trap	10301 The BG-Homescent uses the same formulation to imitate the human skin as the BG-Sweetscent. It is developed to last for one month and to be used with the BG-Home indoor trap.	
Set of 3 BG-Homescents	10301-3 Set of 3 BG-Homescents for the BG-Home trap (for three months).	 

Replacement Parts

Type	Order No. / Description	
BG-Mosquitaire catch bag	10060 The catch bag is attached to the intake funnel and catches the mosquitoes that are sucked in by the ventilator.	
BG-Mosquitaire funnel net	10062 The funnel net ensures that the mosquitoes in the catch bag cannot fly or crawl out of the trap.	
BG-Mosquitaire gauze	10108 The plastic gauze is made of a sturdy material that is durable, washable, and it optimizes the airflow that distributes the attractant.	
Y-shaped power cable, Typ II	10541 For the BG-Mosquitaire trap. To connect multiple traps or the CCU to one power supply unit.	
Ventilator (fan) - IP 55, Typ II	10055 For the BG-Mosquitaire trap. This ventilator (12 V DC, 3.6 W) is rainproof and can be submerged in salt water for hours without suffering any damage.	
Power supply unit, Typ II	10058 For the BG-Mosquitaire trap. Specifications: EU version*, 8 m; with 100–240 V input, 12 V DC output, and 1 A, 50–60 Hz. *Other connections are available upon request	
DC extension cable, Typ II	10049 For the BG-Mosquitaire trap. To be used with Biogents power supply unit. Length: 10 m.	
Outdoor power supply, Typ II	10056 For the BG-Mosquitaire trap. Specifications: EU version*, 8 m; with 100–240 V input, 12 V DC output, and 1 A, 50–60 Hz. *Other connections are available upon request	
BG-GAT barrier net	10705 Barrier net with elastic band for the BG-GAT trap. It is attached to the transparent chamber of the BG-GAT.	
Set of 10 sticky cards	10713 Set of 10 sticky cards for the BG-GAT trap with sticky surfaces on both sides.	

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