



Product Catalog

Biogents Mosquito Traps

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Introduction to Biogents AG

Biogents AG was founded in 2002 by Dr. Geier and Dr. Rose as a spin-off from the Institute of Zoology at the University of Regensburg, Germany. Over 16 years of thorough scientific research in the areas of insect behavior and mosquito olfactory senses led to the development of our innovative trapping technology.

Today, Biogents AG is an innovative company at the forefront of mosquito control research: A team with around 30 experts and altogether more than 130 years of research experience. Our retail products have been designed and manufactured to incorporate all this experience and knowledge into an easy to use, highly efficient and attractive trap for consumers.

Biogents traps are the latest innovation in mosquito control traps. They incorporate patented technology from our professional range of products and are the culmination of years of research and development to deliver the highest performance consumer trap available.

Our traps are used by scientists, healthcare professionals, pest control operators, and private households worldwide. Numerous independent scientific studies have been conducted with Biogents traps all over the world, and they have been successfully proven to be the most effective mosquito traps on the market. For an extensive list of all the publications, please visit our website at » eu.biogents.com/scientific-foundation-publications.



Biogents Traps

Biogents traps continuously eliminate mosquitoes and disrupt the natural population growth. The traps are environmentally friendly working without the need for insecticides or pesticides. The traps are designed to work specifically for mosquitoes so do not catch other beneficial insect like bees and butterflies.

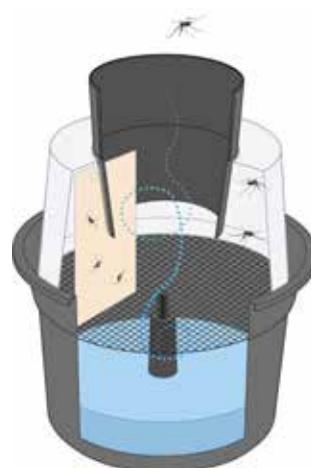
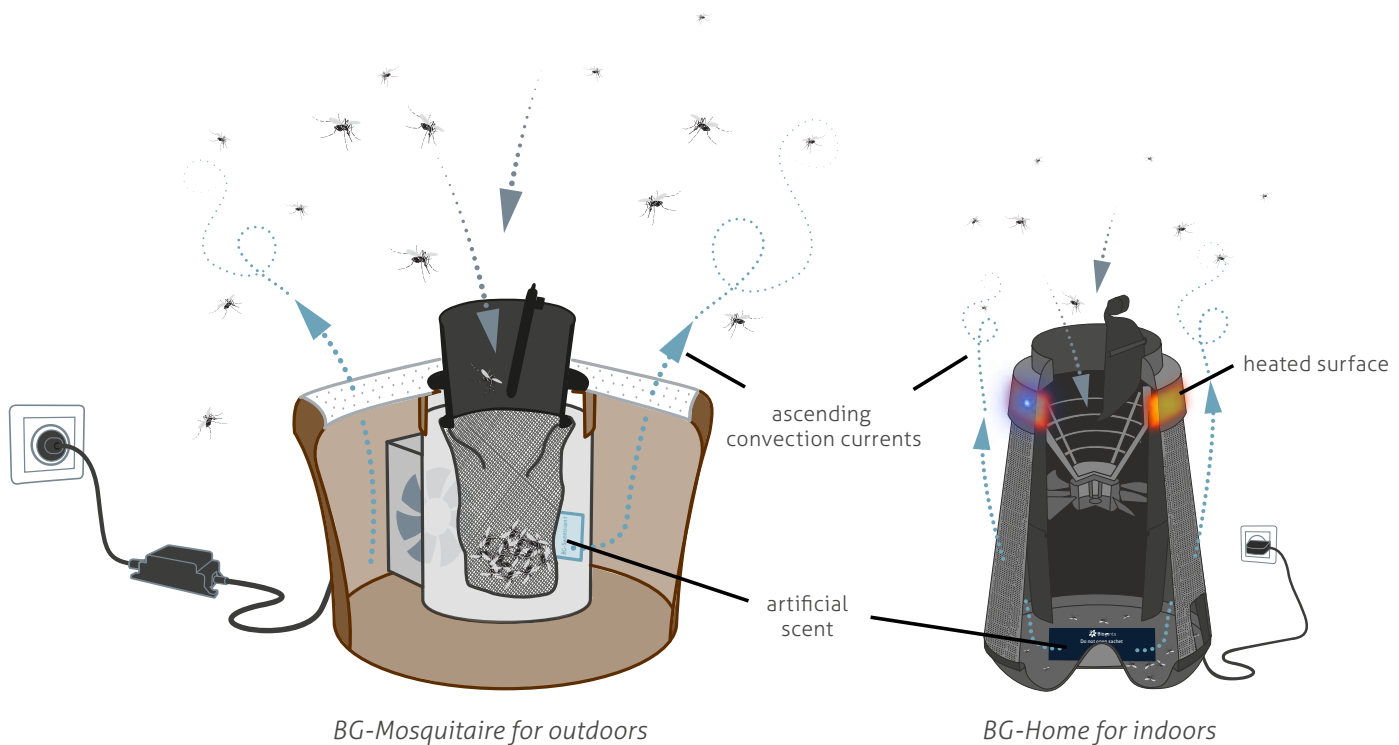
Technology

Biogents offers different traps that capture mosquitoes in different stages and areas:

Biogents suction traps (BG-Mosquitaire and BG-Home) imitate a human being and attract mosquitoes that want to bite. The traps incorporate a patented technology which comprises upwards directed convection currents, visual and physical stimuli, and a patented human scent imitator: An integrated fan creates ascending air currents that imita-

te convection currents of a warm, human body. The mosquitoes also recognize the artificial human scent that is emitted with the ascending convection currents of the traps. At the same time the fan also creates descending air currents which suck the approaching mosquitoes into the trap where they dehydrate and die. Additional visual cues help to attract the mosquitoes towards the trap. With these traps, biting pressure can be reduced.

The BG-GAT trap specifically targets female tiger mosquitoes looking for a place to lay their eggs by imitating a suitable breeding site. Inside the trap the mosquitoes try to escape through the translucent windows where they end up on a sticky card and die. The mesh provides a barrier between mosquitoes and the infused water in the lower chamber. With this trap, reproduction of tiger mosquitoes can be reduced.



BG-GAT for outdoors



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-GAT	BG-Home
Description	Outdoor mosquito trap	Outdoor mosquito trap	Outdoor tiger 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	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	day biting, small, black/white striped, very aggressive
What it does	reduces biting	reduces biting	reduces reproduction	reduces biting
Trap type	high performance trap	tiger mosquito trap	egg laying female trap	mosquito & insect trap
Use	yard / outdoor	yard / outdoor	yard / outdoor	indoor / covered terrace
Power	✓	✓		✓
Warranty	2 years	2 years	2 years	2 years
In the Box				
Trap	✓	✓	✓	✓
Attractant	✓	✓	not needed	✓
CO₂ attachment	✓	not needed	not needed	not needed
Catch bag	✓	✓	not needed	not needed
Sticky cards	not needed	not needed	✓	not needed
Features				
Indoor				✓
Yard	✓	✓	✓	
CO₂	✓	✓	not needed	not recommended
Light	not recommended for outdoors			✓
Biogents patented trap technology	✓	✓		✓
Biogents mosquito attractant technology	✓	✓		✓






Outdoor Traps Against Tiger Mosquitoes

BG – Mosquitaire

Catch mosquitoes before they bite.

The BG-Mosquitaire suction trap attracts host-seeking mosquitoes and reduces biting pressure. It is especially effective against day biting Asian tiger (*Aedes albopictus*) and yellow fever or dengue mosquitoes (*Aedes aegypti*). These species are established in the Mediterranean region, tropics, subtropics and currently spreading in temperate regions such as Switzerland and Germany.

The trap uses the same patented capture technology of all Biogents suction traps: The combination of visual cues, artificially generated air plumes, and a patented artificial scent that mimics human skin allow the trap to effectively imitate a human being and attract the mosquitoes. The sturdy plastic trap is specifically developed for outdoor use in private households.

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 (EU version*) with 8 m cable• 1x BG-Sweetscent dispenser (lasts up to 2 months) <p>* Other connections are available upon request</p>	





Outdoor Traps Against Tiger Mosquitoes

BG – GAT

Stop the next generation of tiger mosquitoes.




Now improved! The BG-GAT 2 is a new version of the original BG-GAT 1 with improvements such as a central overflow.

The BG-GAT trap is a simple outdoor trap against day biting tiger mosquitoes (*Aedes albopictus* and *Aedes aegypti*). These species are established in the Mediterranean region, tropics, subtropics and currently spreading in temperate regions such as Switzerland and Germany. The trap does not need power and attracts female tiger mosquitoes that have already bitten and are now searching for a place to lay their eggs.

By removing these mosquitoes, the BG-GAT trap helps to stop the next generation of tiger mosquitoes and limits population expansion.

The trap imitates a breeding site. By eliminating competing breeding sites at your property the capture rates can be optimized.

For capturing tiger mosquitoes, we recommend to combine the BG-GAT with the BG-Mosquitaire trap.

Type	Order No. / Description	
Outdoor trap against tiger mosquitoes 	10650 The BG-GAT 2 is delivered as double set with: <ul style="list-style-type: none">• 2x trap, each with:<ul style="list-style-type: none">• 1x black bucket with transparent chamber and funnel• 1x barrier net• 1x set of 10 sticky cards	
	10652 BG-GAT Neighborhood Bundle: <ul style="list-style-type: none">• 12x trap, each with:<ul style="list-style-type: none">• 1x black bucket with transparent chamber and funnel• 1x barrier net• 6x set of 10 sticky cards	






With CO₂ Against All Mosquito Species

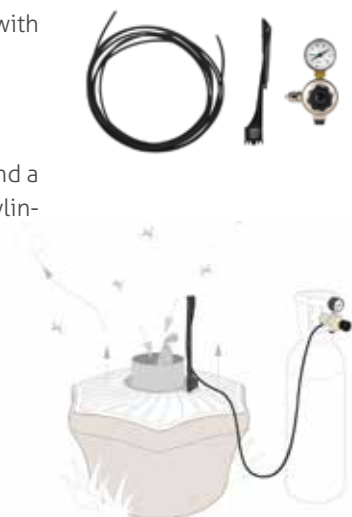
BG – Booster CO₂ Upgrade set for the BG-Mosquitaire

Increase species spectrum and catch rates of captured mosquitoes.

If you are mainly bothered by mosquitoes other than Asian tiger, e.g., house or flood water mosquitoes, we recommend to use the BG-Mosquitaire trap in combination with CO₂ and the CO₂ upgrade set "BG-Booster CO₂". The addition of CO₂ to the BG-Mosquitaire enables you to catch a broad range of mosquitoes and other blood-sucking insects. The synergistic effect of CO₂ and our artificial human scent can additionally multiply catch rates for tiger mosquitoes.

The BG-Booster CO₂ regulates the emission of CO₂ which is released from a CO₂ cylinder (**must be sourced separately**). The release rate can be adjusted to the local and seasonal conditions with the specialized regulator. We recommend a flow rate of about 0.5 kg per day for normal and high mosquito nuisance. This is a rough estimate, because the flow rate might vary according to various parameters, e.g., temperature.

Type	Order No. / Description
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*)) CO₂ cylinder must be sourced separately * Other connections available upon request



BG-CO₂ timer

The BG-CO₂ timer allows you to control when CO₂ is released. It enables you to set up two start and end times to release CO₂ each day.

- It controls the release of CO₂ to coincide with times of mosquito activity (can reduce the CO₂ consumption up to 75%)
- It extends the longevity of your CO₂ bottle and decreases your costs
- One BG-CO₂ timer can manage several traps simultaneously
- It runs on a 9 V battery (battery is **not** included in the contents; battery should last at least six months)
- The BG-CO₂ timer is placed between the CO₂ tank and the mosquito trap(s)

Type	Order No. / Description
BG-CO ₂ timer	10306 The BG-CO ₂ timer allows you to control when CO ₂ is released by establishing specific start and stop times. It enables you to set up two start and end times to release CO ₂ each day. 9 V battery is not included.





Indoor Trap

BG - Home



Against mosquitoes and other flying insects indoors.

The BG-Home is an excellent tool that has been specifically developed to control mosquitoes and other annoying flying insects indoors:

- Especially attractive to the Asian tiger mosquito (*Aedes albopictus*) and the yellow fever (or dengue) mosquito (*Aedes aegypti*)
- Does not use any toxic pesticides
- Easy to handle

The trap's capture method is based on the same patented capture technology of all Biogents suction traps: The BG-Home imitates the manner in which odors are presented by a human body. In comparison to the outdoor suction traps, additional features are included:



- A heated surface attracts mosquitoes
- UV light attracts other flying insects
- The dark appearance of the trap attracts mosquitoes

Type	Order No. / Description
Indoor trap for mosquitoes and other insects 	10300 Biogents' indoor trap BG-Home catches mosquitoes (especially Asian tiger and dengue or yellow fever mosquitoes) and other flying insects inside the house. The trap is delivered with: <ul style="list-style-type: none">• 1x trap body including ventilator (5 V) and EU power supply (3 m)• 1x BG-Sweetscent (odor dispenser, lasts up to 2 month) 

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.

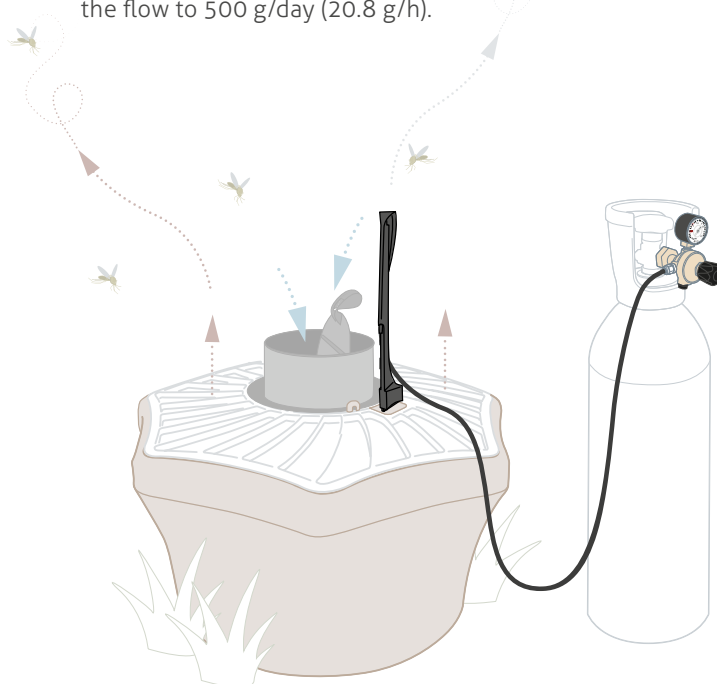
The light and permeable dispensers guarantee an optimally timed release of the scent. The odor enhances the attractiveness of the traps for mosquitoes that prefer to feed on humans, especially for tiger mosquitoes.

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).	













CO₂ Accessories

Type	Order No. / Description	
Pressure reducing regulator	10084 Specialized with pressure gauge and a knob to adjust pressure for a CO ₂ gas cylinder (valves W21.8 x 1/14" to DIN 477*). Flow restriction tubes are not needed with this regulator. *Other connections are available upon request	
CO ₂ emitter nozzle	10080 CO ₂ nozzle specially designed for an optimal dispersal of CO ₂ with Biogents traps.	
Carbon dioxide tubing (20 m)	10072 With an outside diameter of 6 mm.	
Straight connector for tubing	10075 Connects the CO ₂ tubing.	
Y-connector for tubing	10074 Connects the CO ₂ tubing. Required if using more than one Biogents trap with one CO ₂ bottle.	
CO ₂ flow restrictor tube	10077 CO ₂ flow restrictor tube (10 cm) with sinter plug to regulate the flow to 500 g/day (20.8 g/h).	



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	10541 For the BG-Mosquitaire trap. To connect multiple traps or the CCU to one power supply unit.	
Ventilator (fan) - IP 55	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.	
DC extension cable	10049 For the BG-Mosquitaire trap. To be used with Biogents power supply unit. Length: 10 m.	
Outdoor power supply	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	10651 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	10653 Set of 10 sticky cards for the BG-GAT trap with sticky surfaces on both sides.	
Suction Funnel with Shutter	10253 For all versions of the BG-Mosquitaire trap. Equipped with a shutter, which automatically closes when there is no electricity supply to the trap.	

Contact

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