



Science for Your Protection

Biogenets Product Catalog

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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 an innovative trapping technology.

Today, Biogents AG is an innovative company on the forefront of mosquito control research. The company is composed of two complementary business units: on the one hand the development and production of highly efficient mosquito traps, on the other hand a contract research and development sector in the field of mosquito repellents and related products. Biogents traps are the latest innovation in mosquito control traps. They incorporate patented technology and were originally developed to enable researchers all over the

world to monitor various mosquito species. Biogents 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 » www.biogents.com.

Biogents traps do not require CO₂ to attract:

- tiger mosquitoes such as *Aedes aegypti*, *Aedes albopictus*, and *Aedes polynesiensis*
- in many regions *Culex quinquefasciatus*.

With the addition of CO₂ Biogents traps attract:

- all mosquito species
- other bloodsucking insects such as black flies (*Simuliidae*), stable flies (*Stomoxys*), biting midges (*Ceratopogonidae*), or new world sand flies (*Phlebotominae*)
- an increased number of the species mentioned above (attracted without CO₂).



Biogents Traps

All Biogents traps use the same patented technology. An integrated fan creates ascending air currents that imitate convection currents of a warm human body. At the same time, this 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. The mosquitoes also recognize the artificial human scent that is emitted with the ascending

convection currents of the traps. The traps continuously eliminate mosquitoes and disrupt the natural population growth through environmentally friendly and selective measures without the use of insecticides or pesticides. They do not catch beneficial insects such as bees, butterflies, moths, or lady bugs, unlike conventional UV light traps. They are also easy to handle and operate and consume only 4 watts.

Mosquito Trap

BG - Mosquitaire



Against tiger mosquitoes

ORDER NR. 101:

The BG-Mosquitaire trap is specifically developed for private households. It is delivered with everything you need to run the trap:

- 1x funnel net
- 2x catch bag
- 1x outdoor power supply unit (EU version) with 8 m cable
- 1x BG-Sweetscent dispenser for tiger mosquitoes.

159.- €

Biogents CO₂ Trap

When humans exhale, they release carbon dioxide (CO₂) into their surroundings making CO₂ one of the most important attractants for mosquitoes. The addition of CO₂ to Biogents traps enables you to catch a broad range of mosquitoes and other bloodsucking insects. The BG-Mosquitaire CO₂ trap uses the same patented capture technology of the Biogents traps with the additional use of pure CO₂ that 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 kilograms per day (red marker on the display of the regulator) for normal and high mosquito nuisance. These are rough estimations, because the flow rate might vary according to various parameters, e.g., temperature.

Mosquito Trap

BG - Mosquitaire



Against all mosquito species

ORDER NR. 112:

The BG-Mosquitaire CO₂ version is delivered with everything you need to run the trap:

- 1x funnel net
- 2x catch bag
- 1x outdoor power supply unit (EU version) with 8 m cable
- 1x BG-Sweetscent
- 1x CO₂ upgrade set
- 1x CO₂ tube (5 m)
- 1x Biogents CO₂ nozzle
- 1x specialized pressure reducing regulator with pressure gauge.

248.- €



CO₂ upgrade set

ORDER NR. 090:

To upgrade Biogents traps to CO₂ traps. Comes complete with the following:

- 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).

89.- €

Biogents Skin Odor Dispenser

The Biogents dispenser consists of a patented combination of non-toxic substances that are specifically found in the human skin. Each of the components imitates a part of the main components of the human skin that mosquitoes are attracted to. This patented mixture of human skin compounds is 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 specially designed

dispenser releases the three compounds in a specific quantity composing a finely tuned pattern of synergistic attractants. The particularly light and permeable dispensers guarantee an optimally timed release of the scent into the surrounding area. The odor is classified as non-toxic and enhances the attractiveness of the traps for bloodseeking insects that prefer to feed on humans, especially for tiger mosquitoes.



BG-Sweetscent dispenser

ORDER NR. 536:

The BG-Sweetscent uses a patented combination of components to imitate the human skin. It is formulated to last for two months. For catching tiger mosquitoes, it is sufficient to enhance the attractiveness of the mosquito trap with the synergistic BG-Sweetscent.

For all other mosquitoes, the BG-Sweetscent should be used in combination with CO₂ (BG-Mosquitaire CO₂). The BG-Sweetscent is suitable for all Biogents mosquito traps.

18.- €

Replacement Parts

BG-Mosquitaire catch bag

ORDER NR. 060:

The catch bag is attached to the intake funnel and catches the mosquitoes that are sucked in by the ventilator.



3.80 €

BG-Mosquitaire funnel net

ORDER NR. 062:

The funnel net ensures that the mosquitoes in the catch bag cannot fly or crawl out of the trap.



3.45 €

BG-Mosquitaire gauze

ORDER NR. 108:

The plastic gauze is made of a sturdy material that is durable, washable, and it optimizes the airflow that distributes the attractant.



4.90 €

Y-shaped power cable, Typ II

ORDER NR. 541:

To connect multiple traps or the CCU to one power supply unit. To be used with **traps obtained from 2016 onwards***.



6.90 €

Ventilator (fan) - IP 55, Typ II

ORDER NR. 055:

This ventilator (12 V DC, 3.6 W) is rainproof and can be submerged in salt water for hours without suffering any damage. It can be used with Biogents **traps obtained from 2016 onwards***.



23.80 €

Power supply unit, Typ II

ORDER NR. 058:

To run Biogents **traps obtained from 2016 onwards***. Specifications: EU version with 100–240 V input, 12 V DC output, and 1 A, 50–60 Hz.



21.50 €

DC extension cable (10 m), Typ II

ORDER NR. 049:

To be used with Biogents power supply unit of **traps obtained from 2016 onwards***. Length is 10 meters.



12.- €

Outdoor power supply, Typ II

ORDER NR. 056:

Outdoor power supply. Specifications: EU version with 100–240 V input, 12 V DC output, and 1 A, 50–60 Hz. **Compatible with traps obtained from 2016 onwards***.



31.- €

* Starting in 2016, we improved the electrical parts of our traps, for example new waterproof connections (Typ II). These connections are not compatible with older versions of our traps. If replacement parts are needed for trap models that were **obtained in 2015 or earlier (Typ I)**, please see the price list at the end of the catalog or contact Biogents directly (see page 12).

CO₂ Accessories

Pressure reducing regulator

ORDER NR. 068 (EU):

Specialized with pressure gauge and a knob to adjust pressure for a CO₂ gas cylinder (valves W21.8 x 1/14" to DIN 477). Flow restriction tubes are not needed with this regulator.



75.- €

Carbon dioxide tubing (20 m)

ORDER NR. 072:

With an outside diameter of 6 mm.
Price is per each 20 m of tubing.



39.- €

Straight connector for tubing

ORDER NR. 075:

Connects the CO₂ tubing.



4.50 €

Y-connector for tubing

ORDER NR. 074:

Connects the CO₂ tubing. Required if using more than one Biogents trap.



4.50 €

CO₂ emitter nozzle

ORDER NR. 080:

CO₂ nozzle specially designed for an optimal dispersal of CO₂ with Biogents traps.



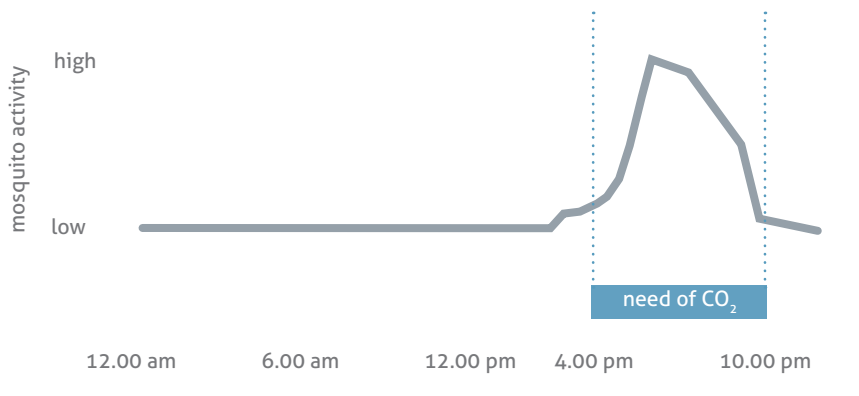
13.- €

BG-CO₂ Timer

The BG-CO₂ timer allows you to control when CO₂ is released by establishing specific start and stop times. 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
- It reduces 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 can be used with all existing traps and runs off a 9 V battery (battery is not included in the contents, battery should last at least 6 months)
- The BG-CO₂ timer is placed between the CO₂ tank and the mosquito trap(s).

The controlled release of CO₂ in an example:



Effects:

Without timer:

CO ₂	24-hour usage 500 g/day
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With timer:

CO ₂	6-h usage 125 g/day	Assumption: 10 kg CO ₂ for 35 Euros Savings: ~ 100 Euros every 3 months when CO ₂ is used only 6 h/day compared to 24 h/day
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Result: Save money!



BG-CO₂ timer

ORDER NR. 306:

The BG-CO₂ timer allows you to control when CO₂ is released by establishing specific start and stop times. It enables you to set up two start and end times to release CO₂ each day. 9 V battery is not included.

69.- €

Pricelist (Prices Including VAT)

Pricelist of Biogents products		
Order Nr.	Trap versions	Price in EUR*
101	BG-Mosquitaire 1x outdoor power supply, 1x funnel net, 2x catch bag, 1x BG-Sweetscent.	159.00 €
112	BG-Mosquitaire CO₂ 1x BG-Mosquitaire trap, 1x BG-Sweetscent, 1x CO ₂ upgrade set.	248.00 €
CO ₂ upgrades and accessories		
090	Biogents CO₂ upgrade set 1x CO ₂ tube (5 m), 1x Biogents CO ₂ emitter nozzle, 1x pressure reducing regulator with pressure gauge and a knob to adjust pressure (flow restriction tubes are not needed with this regulator).	89.00 €
306	BG-CO₂ timer 1x body with a display and buttons to set up the release times, 2x connections to the CO ₂ tubes (9 V battery not included).	69.00 €
068	BG-pressure reducing regulator, EU version With pressure gauge and a knob to adjust pressure (flow restriction tubes are not needed with this regulator).	75.00 €
077	Flow restrictor tube with sinter plug (red) CO ₂ tube (10 cm) with sinter plug to regulate the flow to 20.8 g/h for pressure reducing regulators bought before April 2017.	6.90 €
080	Biogents CO₂ emitter nozzle For BG-Mosquitaire traps.	13.00 €
072	CO₂ tubing, 20 meters.	39.00 €
073	X-shaped connector For CO ₂ tubing.	4.50 €
074	Y-shaped connector For CO ₂ tubing.	4.50 €
075	Straight connector For CO ₂ tubing.	4.50 €

* Prices including VAT

Pricelist of Biogents products

Order Nr.	Biogents skin odor dispenser	Price in EUR*
536	BG-Sweetscent Human skin odor for tiger mosquitoes, lasts up to 2 months, effective in combination with Biogents mosquito traps.	18.00 €
Replacement parts		
060	BG-Mosquitaire catch bag.	3.80 €
062	BG-Mosquitaire funnel net.	3.45 €
108	BG-Mosquitaire plastic gauze.	4.90 €
050	Biogents IP 55 ventilator, Typ I To be used with the traps BG-Mosquitaire +/- CO ₂ obtained in 2015 or before.	23.80 €
055	Biogents IP 55 ventilator, Typ II To be used with all traps obtained from 2016 onwards.	23.80 €
052	Power supply unit, Typ I, EU version 8 m cable (input: 220 V, output: 12 V DC, 1 A). To be used with the traps BG-Mosquitaire +/- CO ₂ obtained in 2015 or before.	21.50 €
058	Power supply unit, Typ II, EU version 8 m cable (input: 220 V, output: 12 V DC, 1 A). To be used with all traps obtained from 2016 onwards.	21.50 €
056	Outdoor power supply, Typ II, EU version 8 m cable (input: 220 V, output: 12 V DC, 1 A). To be used with all traps obtained from 2016 onwards.	31.00 €
051	DC extension cable, Typ I 10 m (12 V). To be used with the traps BG-Mosquitaire +/- CO ₂ obtained in 2015 or before.	12.00 €
049	DC extension cable, Typ II 10 m (12 V) To be used with all traps obtained from 2016 onwards.	12.00 €
054	Y-shaped power cable, Typ I To connect multiple traps. To be used with the traps BG-Mosquitaire +/- CO ₂ obtained in 2015 or before.	6.90 €
541	Y-shaped power cable, Typ II To connect multiple traps. To be used with all traps obtained from 2016 onwards.	6.90 €
095	Miniature microscope Magnification: 45 x, size: 3,7 x 3,7 x 2 cm.	8.90 €
066	Integrated CO₂ sinter filter For pressure reducing regulators obtained from April 2017 onwards.	5,80 €

For US versions please contact us at » webshop@biogents-usa.com

* Prices including VAT

Ordering Information

To order please visit our webshop online at » www.shop.mosquitocontrol.eu, where you can pay with PayPal. You may also send an inquiry or a purchase order to the sales department at Biogents AG. Contact information can be found at the bottom of this page. Delivery periods vary depending on order size. Normally an order via webshop requires 3 to 5 business days.

Payment Terms

All prices are in Euro and include VAT. VAT only applies for EU customers without a VAT identification number. Prices do not include shipping charges. These depend on quantity and destination you choose.

Payment in Euro can be made via PayPal and by wire transfer if desired. We suggest the quick and simple SWIFT (Society for Worldwide Interbank Financial Telecommunication) money transfer system, which is available at most banks worldwide.

Biogents' bank details:

Account holder: Biogents AG
Bank name: Commerzbank Regensburg
SWIFT/BIC - Code : COBADEFFXXX
Bank code number: 750 400 62
Account number: 603 0951 01
IBAN: DE16 7504 0062 0603 0951 01

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