



# 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](http://www.biogents.com).

## Biogents traps do not require CO<sub>2</sub> to attract:

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

## With the addition of CO<sub>2</sub> 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 CO<sub>2</sub>).



# 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 CO<sub>2</sub> Trap

When humans exhale, they release carbon dioxide (CO<sub>2</sub>) into their surroundings making CO<sub>2</sub> one of the most important attractants for mosquitoes. The addition of CO<sub>2</sub> to Biogents traps enables you to catch a broad range of mosquitoes and other bloodsucking insects. The BG-Mosquitaire CO<sub>2</sub> trap uses the same patented capture technology of the Biogents traps with the additional use of pure CO<sub>2</sub> that is released

from a CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> upgrade set
- 1x CO<sub>2</sub> tube (5 m)
- 1x Biogents CO<sub>2</sub> nozzle
- 1x specialized pressure reducing regulator with pressure gauge.

248.- €



### CO<sub>2</sub> upgrade set

ORDER NR. 090:

To upgrade Biogents traps to CO<sub>2</sub> traps. Comes complete with the following:

- 1x Biogents CO<sub>2</sub> emitter nozzle
- 1x CO<sub>2</sub> tube (5 m)
- 1x pressure reducing regulator with pressure gauge and a knob to adjust pressure and CO<sub>2</sub> 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 CO<sub>2</sub> (BG-Mosquitaire CO<sub>2</sub>). 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).

# CO<sub>2</sub> Accessories

## Pressure reducing regulator

ORDER NR. 068 (EU):

Specialized with pressure gauge and a knob to adjust pressure for a CO<sub>2</sub> 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 CO<sub>2</sub> tubing.



**4.50 €**

## Y-connector for tubing

ORDER NR. 074:

Connects the CO<sub>2</sub> tubing. Required if using more than one Biogents trap.



**4.50 €**

## CO<sub>2</sub> emitter nozzle

ORDER NR. 080:

CO<sub>2</sub> nozzle specially designed for an optimal dispersal of CO<sub>2</sub> with Biogents traps.



**13.- €**

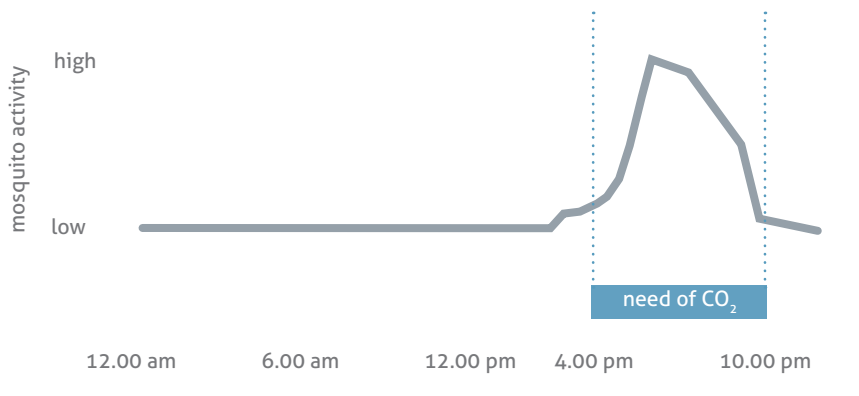


# BG-CO<sub>2</sub> Timer

The BG-CO<sub>2</sub> timer allows you to control when CO<sub>2</sub> is released by establishing specific start and stop times. It enables you to set up two start and end times to release CO<sub>2</sub> each day.

- It controls the release of CO<sub>2</sub> to coincide with times of mosquito activity
- It reduces the CO<sub>2</sub> consumption up to 75%
- It extends the longevity of your CO<sub>2</sub> bottle and decreases your costs
- One BG-CO<sub>2</sub> 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-CO<sub>2</sub> timer is placed between the CO<sub>2</sub> tank and the mosquito trap(s).

## The controlled release of CO<sub>2</sub> in an example:



### Effects:

Without timer:

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

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

**Result: Save money!**



### BG-CO<sub>2</sub> timer

#### ORDER NR. 306:

The BG-CO<sub>2</sub> timer allows you to control when CO<sub>2</sub> is released by establishing specific start and stop times. It enables you to set up two start and end times to release CO<sub>2</sub> 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	<b>BG-Mosquitaire</b> 1x outdoor power supply, 1x funnel net, 2x catch bag, 1x BG-Sweetscent.	159.00 €
112	<b>BG-Mosquitaire CO<sub>2</sub></b> 1x BG-Mosquitaire trap, 1x BG-Sweetscent, 1x CO <sub>2</sub> upgrade set.	248.00 €
CO <sub>2</sub> upgrades and accessories		
090	<b>Biogents CO<sub>2</sub> upgrade set</b> 1x CO <sub>2</sub> tube (5 m), 1x Biogents CO <sub>2</sub> 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	<b>BG-CO<sub>2</sub> timer</b> 1x body with a display and buttons to set up the release times, 2x connections to the CO <sub>2</sub> tubes (9 V battery not included).	69.00 €
068	<b>BG-pressure reducing regulator, EU version</b> With pressure gauge and a knob to adjust pressure (flow restriction tubes are not needed with this regulator).	75.00 €
077	<b>Flow restrictor tube with sinter plug (red)</b> CO <sub>2</sub> 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	<b>Biogents CO<sub>2</sub> emitter nozzle</b> For BG-Mosquitaire traps.	13.00 €
072	<b>CO<sub>2</sub> tubing, 20 meters.</b>	39.00 €
073	<b>X-shaped connector</b> For CO <sub>2</sub> tubing.	4.50 €
074	<b>Y-shaped connector</b> For CO <sub>2</sub> tubing.	4.50 €
075	<b>Straight connector</b> For CO <sub>2</sub> tubing.	4.50 €

\* Prices including VAT

## Pricelist of Biogents products

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

For US versions please contact us at » [webshop@biogents-usa.com](mailto:webshop@biogents-usa.com)

\* Prices including VAT

# Ordering Information

To order please visit our webshop online at [» www.shop.mosquitocontrol.eu](http://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

This document does not represent a binding offer. No liability is accepted for the accuracy of this information. We reserve the right to change prices at any time. We reserve the right to refuse delivery.

## Contact

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[» www.biogents.com](http://www.biogents.com)

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