



# Science for Your Protection

## 2017 Biogents Product Catalog

Status April 2017



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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 has 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: the development and production of highly efficient mosquito traps and 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 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* or
- in many regions *Culex quinquefasciatus*.

## With the addition of CO<sub>2</sub> Biogents traps attract:

- all mosquito species,
- other blood-sucking insects such as black flies (*Simuliidae*), stable flies (*Stomoxys*), biting midges (*Ceratopogonidae*), new world sand flies (*Phlebotominae*) and
- an increased numbers of the species mentioned above (attracted without CO<sub>2</sub>).



# Biogents Traps

All of 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 ascen-

ding 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 all you need to run the trap: a funnel net, two catch bags, an outdoor power supply unit (EU version) with 8 m cable, and the BG-Sweetscent dispenser for tiger mosquitoes.

159.-

Mosquito Trap

## BG - Mosquitito



### Against tiger mosquitoes

ORDER NR 230: The BG-Mosquitito trap is designed for hanging. The cloth body of the trap is used as the catch bag to catch the mosquitoes. It is delivered with all you need to run the trap: a 2 m string to hang the trap, a power supply unit (EU version) with 8 m cable, and the BG-Sweetscent dispenser for tiger mosquitoes.

79.-

# Biogents CO<sub>2</sub> Traps

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 blood-sucking 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 (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 and about 0.2 kilograms per day for low mosquito nuisance (blue marker on the display of the regulator). The following is a consumption table of CO<sub>2</sub> comparing the two CO<sub>2</sub> flow rates. These are rough estimations because the flow rate might vary according to various parameters, e.g., temperature.

| Consumption table of carbon dioxide (CO <sub>2</sub> )     |                 |                                      |   |  |
|--|-----------------|--------------------------------------|---|--|
|  | Flow rate (g/h) | CO <sub>2</sub> consumption (kg/day) | Longevity of 5 kg CO <sub>2</sub> cylinder (days) | Longevity of 10 kg CO <sub>2</sub> cylinder (days) |
| Low CO <sub>2</sub> flow rate (blue marker on the display) | 8.3             | 0.2                                  | 25  | 50   |
| High CO <sub>2</sub> flow rate (red marker on the display) | 20.8            | 0.5                                  | 10  | 20   |

Mosquito Trap

## BG - Mosquitaire



### Against all mosquito species

ORDER NR 112: The BG-Mosquitaire CO<sub>2</sub> version is delivered with all you need to run the trap: it comes with a funnel net, two catch bags, an outdoor power supply unit (EU version) with 8 m cable and the Biogents Basic dispenser plus the CO<sub>2</sub> upgrade set which includes a CO<sub>2</sub> tube (5 m), the Biogents CO<sub>2</sub> nozzle, and a specialized pressure reducing regulator with pressure gauge.

**248.-**



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

ORDER NR 090: To upgrade the Biogents traps to a CO<sub>2</sub> trap. Comes complete with the following:

- Biogents CO<sub>2</sub> emitter nozzle
- CO<sub>2</sub> tube (5 m)
- Pressure reducing regulator with pressure gauge and knob to adjust pressure and CO<sub>2</sub> flow rates (for gas cylinders with valves W21.8 x 1/14" to DIN 477)

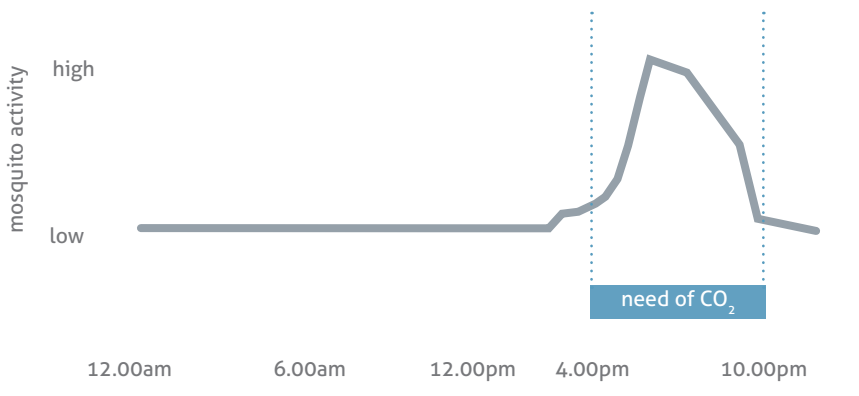
**89.-**

# Biogents CO<sub>2</sub> Timer

The Biogents 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.

- Control the release of CO<sub>2</sub> to coincide with times of mosquito activity
- Reduce the CO<sub>2</sub> consumption up to 75%
- Extend the longevity of your CO<sub>2</sub> bottle and decrease 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 of 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). Up to 5 traps can be connected to a single timer.

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



### Effects:

Without timer:

|                 |                        |
|-----------------|------------------------|
| CO <sub>2</sub> | 24h usage<br>500 g/day |
|-----------------|------------------------|

With timer:

|                 |                       |
|-----------------|-----------------------|
| CO <sub>2</sub> | 6h usage<br>125 g/day |
|-----------------|-----------------------|

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

**Result: save money!**



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

ORDER NR 306: The Biogents 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.

**85.-**

# CO<sub>2</sub> Accessories

## Pressure reducing regulator

ORDER NR 068 (EU) or 067 (US): Specialized with pressure gauge and 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 meters of tubing.



**39.-**

## Straight connector for tubing

ORDER NR 075: Connects the CO<sub>2</sub> tubing.



**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.-**

## Y-connector for tubing

ORDER NR 074: Connects the CO<sub>2</sub> tubing. Required if using more than one Biogents trap.



**4.50**

# 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 back out of the trap.



3.45

## 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

## BG-Mosquitaire gauze

ORDER NR 108: The plastic gauze is made of a sturdy material that is durable, washable and optimizes the airflow that distributes the attractant.



4.90

## Ventilator (fan) - IP 55, Typ II

ORDER NR 055: This ventilator (12V DC, 3.6 W) is rain proof and can be submerged in salt water for hours without suffering any damage. It can be used with the Biogents **traps obtained from 2016 onwards\***.



23.80

## Power supply unit, Typ II

ORDER NR 058: To run the Biogents **traps obtained from 2016 onwards\***. Specifications: EU version with 100-240 V input, 12 VDC output and 1 A, 50-60 Hz.



21.50

## DC extension cable (10 m), Typ II

ORDER NR 049: To be used with the 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 VDC output and 1 A, 50-60 Hz.

**Compatible with traps obtained from 2016 onwards\***.



31.-

\* Starting in 2016, we have 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 pricelist at the end of the catalog and contact Biogents directly.



# Biogents Skin Odor Dispensers

Biogents dispensers consist 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. Specially designed dis-

pensers release the three compounds in a specific quantity, composing a finely tuned pattern of synergistic attractants. The particular light and permeable dispensers of the three different odors guarantee an optimally timed release of the scent into the surrounding area. All odors are classified as non-toxic and enhance the attractiveness of the traps for blood seeking insects that prefer to feed on humans, especially the tiger mosquitoes (BG-Sweetscent).



## BG-Sweetscent dispenser

ORDER NR 505: The Biogents Sweetscent (BG-Sweetscent) uses a patented combination of components to imitate human skin. It is formulated to last two months. For the catch of 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.-**



## Biogents Basic dispenser

ORDER NR 501: The Biogents Basic dispenser is designed for use in combination with carbon dioxide ONLY. Its simple design releases a combination of human scent compounds into the surrounding environment.

Set of 3, each lasts up to 2 months, only for use in combination with CO<sub>2</sub>.

**17.90**

# Pricelist (Prices Including VAT)

| Overall price list of Biogents products  |  |               |
|--|--|---------------|
| Order Nr.                                | Trap versions  | Price in EUR* |
| 101                                      | BG-Mosquitaire: includes outdoor power supply, a funnel net, two catch bags, and the BG-Sweetscent.  | €159.00       |
| 230                                      | BG-Mosquitito: includes a 2 m string for hanging, power supply unit and BG-Sweetscent dispenser.   | €79.00        |
| 112                                      | BG-Mosquitaire CO <sub>2</sub> : includes the BG-Mosquitaire trap with Basic dispenser instead of BG-Sweetscent and the CO <sub>2</sub> upgrade set.   | €248.00       |
| CO <sub>2</sub> upgrades and accessories |  |               |
| 090                                      | Biogents CO <sub>2</sub> upgrade set - includes CO <sub>2</sub> tube (5 m), Biogents CO <sub>2</sub> emitter nozzle, and a 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-CO <sub>2</sub> timer: includes a body with a display and buttons to set up the release times, two connections to the CO <sub>2</sub> tubes. 9 V battery not included.  | €85.00        |
| 068                                      | Biogents 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        |
| 067                                      | Biogents pressure reducing regulator, US version, with pressure gauge and a knob to adjust pressure. Flow restriction tubes are not needed with this regulator.  | €75.00        |
| 079                                      | CO <sub>2</sub> Y-tube connection with sinter plugs - (5 m) with flow rates options of 8.3 g/h and 20.8 g/h for pressure reducing regulators bought before April, 2017.  | €15.50        |
| 078                                      | Flow restrictor tube with sinter plug - CO <sub>2</sub> tube (10 cm) with sinter plug to regulate the flow to 8.3 g/h, for pressure reducing regulators bought before April, 2017.   | €6.90         |
| 077                                      | Flow restrictor tube with sinter plug - 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                                      | Biogents CO <sub>2</sub> emitter nozzle - for the BG-Mosquitaire traps   | €13.00        |
| 072                                      | Carbon dioxide tubing - 20 meters  | €39.00        |
| 073                                      | X-shaped connector for the CO <sub>2</sub> tubing  | €4.50         |
| 074                                      | Y-shaped connector for the CO <sub>2</sub> tubing  | €4.50         |
| 075                                      | Straight connector for the CO <sub>2</sub> tubing  | €4.50         |
| Biogents skin odor dispensers            |  |               |
| 505                                      | BG-Sweetscent human skin odor for tiger mosquitoes, lasts up to 2 months, effective in combination with Biogents' mosquito traps.  | €18.00        |
| 501                                      | Biogents Basic dispenser - set of 3, each lasts up to 2 months, only for use in combination with CO <sub>2</sub> .   | €17.90        |

\* Prices including VAT

### Overall price list of Biogents products

| Order Nr. | Replacement parts  | Price in EUR* |
|-----------|--|---------------|
| 060       | BG-Mosquitaire catch bag   | €3.80         |
| 062       | BG-Mosquitaire funnel net  | €3.45         |
| 108       | BG-Mosquitaire plastic gauze   | €4.90         |
| 205       | BG-Mosquitito replacement body   | €6.90         |
| 206       | BG-Mosquitito catch bag  | €3.80         |
| 050       | Biogents IP 55 ventilator, Typ I. To be used with the traps BG-Mosquitaire +/- CO <sub>2</sub> 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 with an 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       | Power supply unit, Typ II - EU version with an 8 m cable (input: 220 V, output: 12 V DC, 1 A). To be used with all traps obtained in 2016.   | €21.50        |
| 056       | Outdoor power supply, Typ II - EU version with an 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 meters, 12 V . To be used with the traps BG-Mosquitaire +/- CO <sub>2</sub> obtained in 2015 or before.   | €12.00        |
| 049       | DC extension cable, Typ II - 10 meters, 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 <sub>2</sub> obtained in 2015 or before.                                       | €6.90         |
| 541       | Y-shaped power cable, Typ II, to connect multiple traps. To be used with the all traps obtained from 2016 onwards.   | €6.90         |

\* Prices including VAT

# Ordering Information

To order please visit our webshop online at [shop.mosquitocontrol.eu](http://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 and may require up to 3 - 4 weeks.

## Payment Terms

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

Payment in euros 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: 6030951 00  
IBAN: DE43 7504 0062 0603 0951 00

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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