



INSTRUCTIONS FOR USE

Before using the product, please read the information in this manual and follow all instructions.

Biogents AERO TRAP PLUS™



**See the
instruction videos**

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INSTRUCTIONS FOR USE

Product information

Model: Biogents AERO TRAP PLUS

Use and operation

The AERO TRAP PLUS mosquito trap with CO₂ provides a long-lasting reduction in the mosquito population in your garden.

The trap mimics the presence of a human being. Biogents' patented, insecticide-free SWEETSCENT attractant and CO₂ imitate human breath. They are diffused by the air currents created by the trap. Mosquitoes are attracted, thinking they have found prey to bite. They are then sucked into the trap and dehydrate.

The use of CO₂* as an attractant, combined with the Biogents attractant, captures five times more tiger mosquitoes than without CO₂, and attracts all species of mosquitoes, including the house mosquito and flood water mosquitoes.

MyBiogents APP allows you to adjust the CO₂ emission time frames. You can also receive notifications when the CO₂ and attractant need to be replaced and easily access all our Biogents advice and videos.

For an even longer-lasting effect against mosquitoes

 **Remove
breeding sites
weekly**



Eliminate as many stagnant water sources as possible, such as plant saucers, buckets and other containers likely to hold water. Clean gutters. Cover rainwater harvesters completely.



* CO₂ bottle not supplied



WHAT'S IN MY BOX?

Biogents AERO TRAP

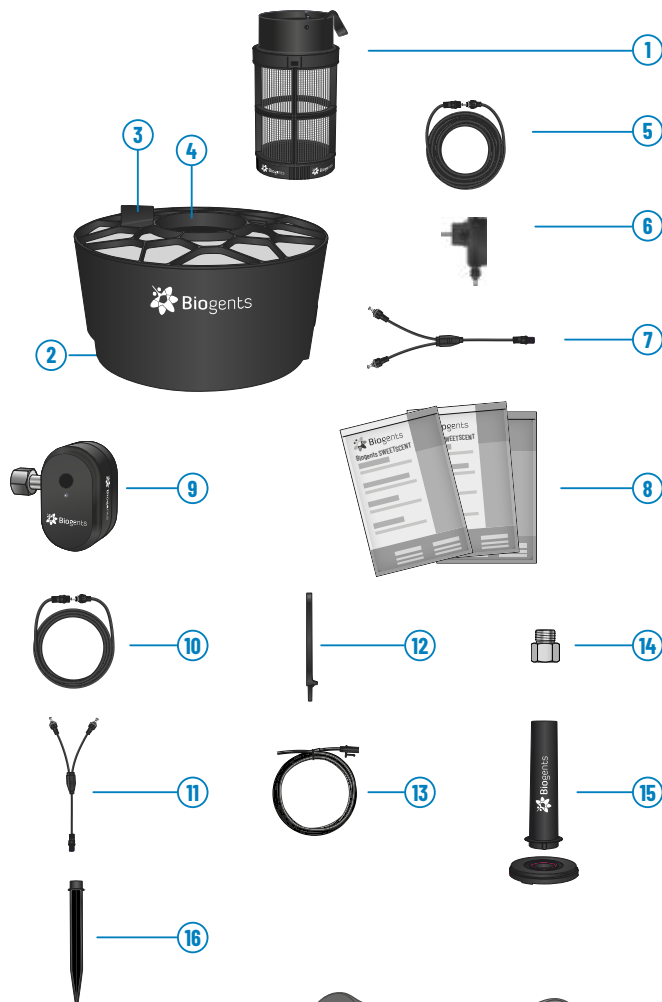
- ① Catch cage with flap
- ② Trap body
- ③ Attractant holder
- ④ Inner part of the trap with fan (located in the trap body)
- ⑤ Waterproof external power cable (10 m)
- ⑥ Waterproof power supply unit
- ⑦ Y-shaped electrical cable for connecting up to three traps together
- ⑧ Season pack of 3 Biogents SWEETSCENT attractants / BG-Sweetscent attractants, to be replaced every 2 months maximum

Biogents CO₂ CONTROL SET

- ⑨ CO₂ controller (Bluetooth ®)
- ⑩ Power cable (2 m)
- ⑪ Y-shaped electrical cable for connecting the CO₂ controller to the trap
- ⑫ CO₂ nozzle
- ⑬ CO₂ tubing (2 m)

Accessories for CO₂ cylinder 425 g

- ⑭ Adapter
- ⑮ Support bracket
- ⑯ Anchor for mounting bracket in the ground



You will also need:



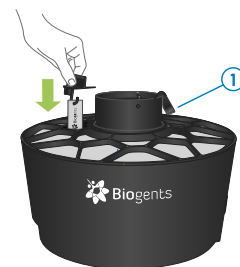
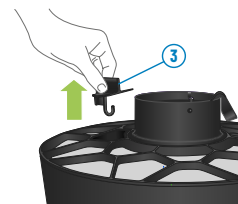
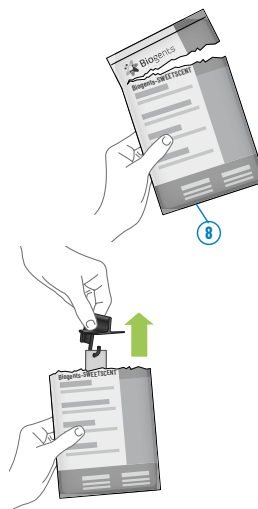


ASSEMBLY IS EASY!

SIMPLY FOLLOW THESE STEPS

- A** Open the aluminium packaging of the attractant Biogents SWEETSCENT ⑧. Remove the attractant holder ③ from the top of the trap. Use the holder to remove the white sachet from its packaging. Place the holder with the sachet in its place at the top of the trap.
- B** Remove the "CO₂" cover from the top of the trap. Insert the CO₂ nozzle ⑫ into the slot provided.

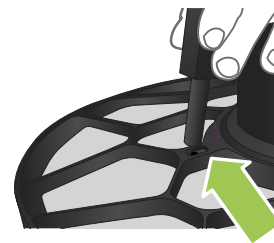
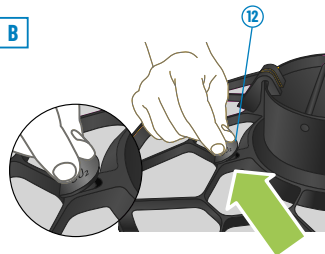
A



... or if you are still using an old BG-Sweetscent sachet, simply place it in the catch cage ①.



B



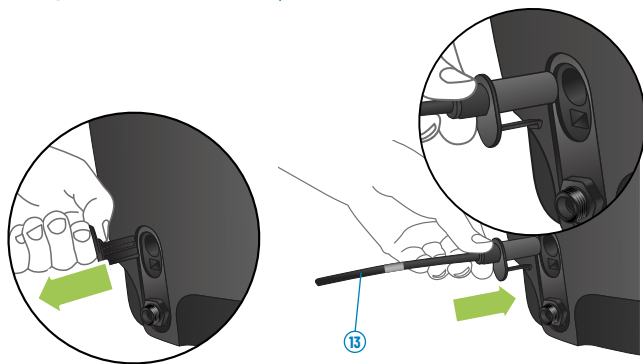


ASSEMBLY OF THE CO₂ CONTROL SET

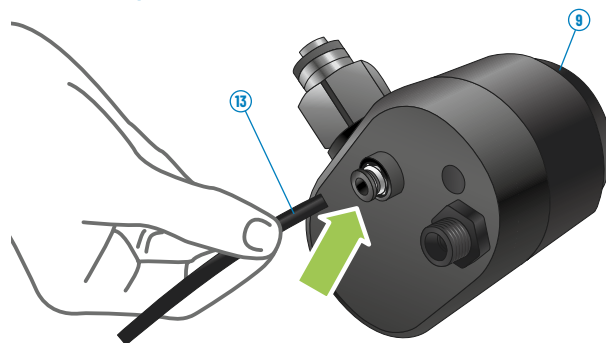
Connecting the CO₂ tube

Connecting the CO₂ tube to the trap and the CO₂ controller

- A** Remove the cover on the side of the trap, then insert the end of the CO₂ tube ⑬. Note: once connected, it cannot be removed.



- B** Firmly insert the other end of the CO₂ tube ⑬ into the controller ⑨.



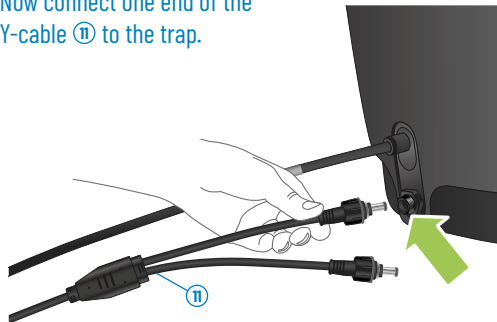


ASSEMBLY OF THE CO₂ CONTROL SET

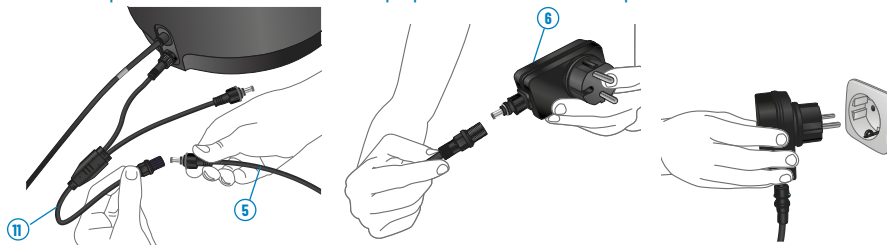
Connecting the electrical cables

Connecting the trap to the power supply

- E** Now connect one end of the Y-cable ⑪ to the trap.

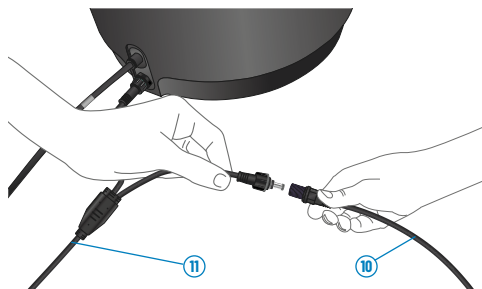


- F** Connect the electrical trap cable ⑤ to the Y-cable ⑪, then connect the other end of the electrical cable ⑤ to the power supply unit. Plug the power supply unit ⑥ into a safe, waterproof electrical socket. The flap opens as soon as the trap is on.

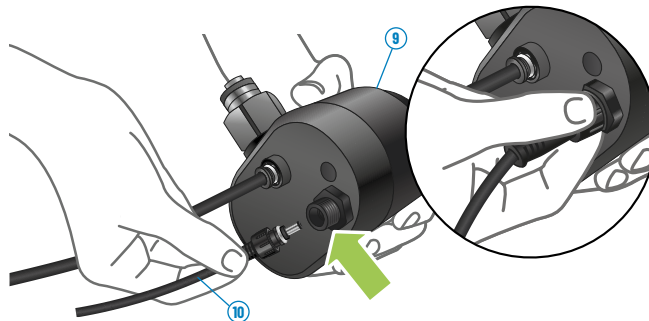


Connecting the CO₂ controller to the trap

- G** Connect the electrical controller cable ⑩ from the controller to the other end of the Y-cable ⑪.



- H** Connect the other end of this electrical cable ⑩ to the controller and secure it with the nut.



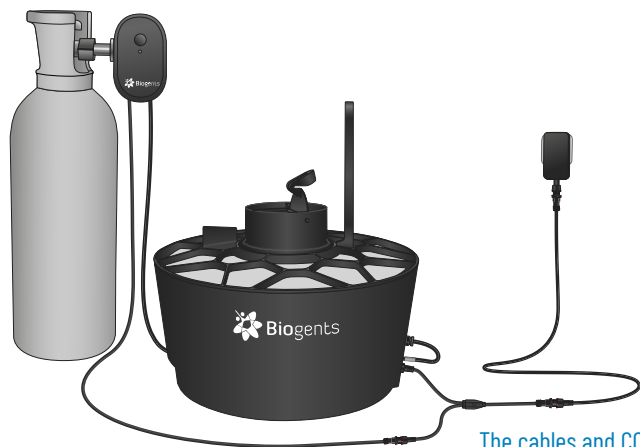


2 CO₂ OPTIONS FOR 2 DIFFERENT PURPOSES

The CO₂ CONTROL SET is compatible with all CO₂ cylinders.

Permanent boost

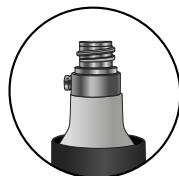
Connection to a 5 to 10 kg CO₂ cylinder for a permanent boost and maximum long-term efficiency. See page 10.



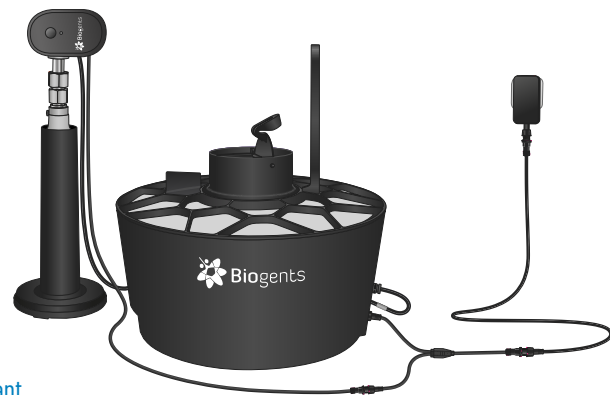
The cables and CO₂ controller are water resistant.

Boost up to 3 days

Connection to a 425 g sparkling water cylinder (with screw cap) for up to 3 days: for weekends, periods of high mosquito activity, emergencies or to easily try out using CO₂ with your trap! See page 11.



Screw cap



Caution

The use of CO₂ does not replace the use of Biogents SWEETSCENT attractant: it is the combination of the two that most accurately replicates human presence.



INFORMATION ABOUT CO₂

WHERE CAN YOU FIND CO₂?

The AERO TRAP PLUS trap requires a CO₂ cylinder (not supplied).

PERMANENT BOOST

For a permanent boost, Biogents recommends using a 10 kg cylinder, available from specialist shops or online.

BOOST FOR 3 UP TO DAYS

For a boost up to 3 days, Biogents recommends 425 g CO₂ bottles with screw caps, **available in stores**.

HOW TO INSTALL THE BOTTLE?



Not in direct
sunlight



Outdoors



Vertically



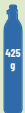


INFORMATION ABOUT CO₂

HOW LONG DOES A CO₂ CYLINDER LAST?

Recommended periods
for CO₂ emissions:

Estimated lifespan of a CO₂ cylinder:

HOUSE MOSQUITOES	3:00 - 5:00 20:00 - 24:00	 3 days	 80 days
FLOODWATER MOSQUITOES	7:00-23:00	 1,5 days	 30 days
TIGER MOSQUITOES	8:00 - 10:00 16:00 - 23:00	 2 days	 50 days



Did you know?

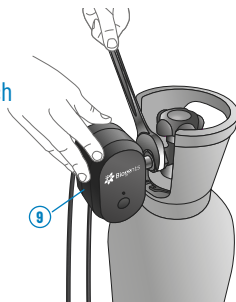
Not sure what type of mosquitoes you are dealing with? You can identify mosquito species in the MyBiogents APP.



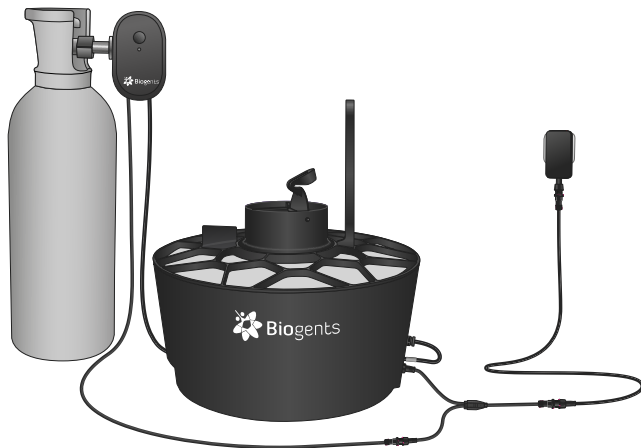
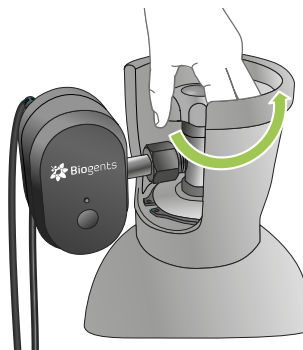
CONNECTING A 5-10 KG CO₂ CYLINDER

Permanent boost: Biogents recommends the use of 10 kg gas cylinders.

- A** Screw the controller nut onto the CO₂ cylinder. Tighten the nut using a 27 mm open-end wrench or an adjustable wrench to prevent gas leaks.



- B** Open the valve on the gas bottle by turning it counter-clockwise.



C MyBiogents APP

The CO₂ CONTROLLER is controlled and adjusted via the **MyBiogents APP**

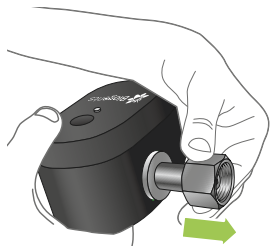
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CONNECTING A 425 G CO₂ CYLINDER

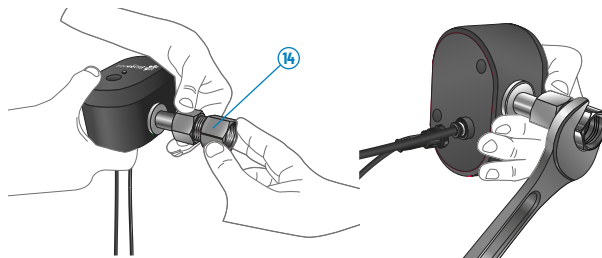
Boost up to 3 days: with a cylinder of CO₂ for sparkling water, 425 g with screw cap

- A** Push the nut forward until the thread is visible inside.



- B** Screw the adapter ⑭ for the CO₂ cylinder onto the controller using a 27 mm wrench or an adjustable wrench.

Caution: always use a wrench to prevent gas leaks. If necessary, use two wrenches.



- C** Assemble the bracket ⑮ and place the CO₂ cylinder inside.

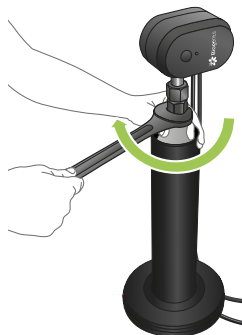


- D** To secure the bracket to the ground and ensure its stability, insert the anchor ⑯ under the housing.



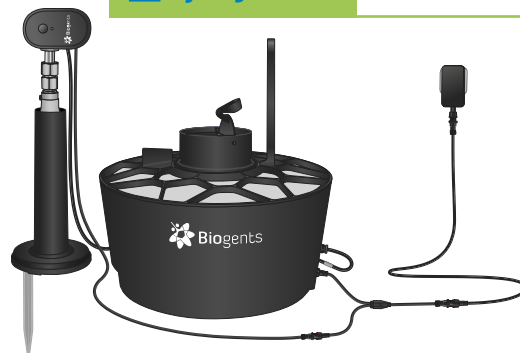
- E** Screw the controller onto the cylinder and tighten the nut using a 27 mm wrench or adjustable wrench.

Caution: you must use a wrench to prevent gas leaks.



F MyBiogents APP

Continued on **page 12**





CONTROLLED BY APP

MyBiogents APP
with **BLUETOOTH®** connection

**Install the MyBiogents APP to
activate the CO₂ CONTROL SET:**

Android



Apple



Add your
CO₂ controller



Add your CO₂
cylinder



Choose a prede-
fined time slot or
customised time
slot for
emissions



... And you're ready
to go!

MyBiogents APP

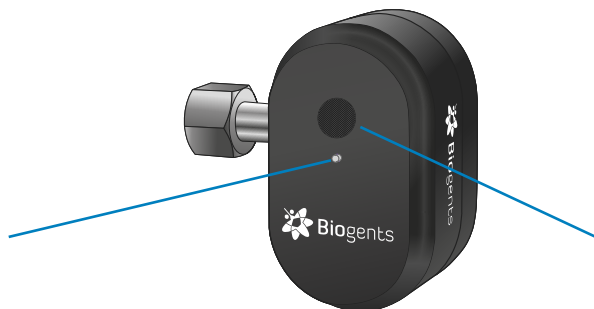
- Adjustment of CO₂ emission ranges
- Notification when CO₂ and attractant need replacing
- Advice and videos

The Biogents CO₂ controller communicates with the MyBiogents APP via Bluetooth and can receive firmware updates from Biogents' secure cloud server. No personal data is collected or transmitted directly by the device. For more details on data processing in relation to the app and connected services, please refer to the privacy policy at www.biogents.com.



CO₂ CONTROLLER

CONTROL AND DISPLAY ELEMENTS



LED

- **Bluetooth connection:**
 - Flashing blue light: searching for device for Bluetooth connection.
 - Permanent blue light: Bluetooth connection established.
- **Continuous green light:**
 - The device is active and reports no problems.
- **Error cases:**
 - Slow flashing red light: the CO₂ cylinder is empty, replace the cylinder.
 - Fast flashing red light: CO₂ leak, check the connection between the CO₂ cylinder to the programmer.
- **No light:**
 - The controller is not powered.

BUTTON

- To connect new Bluetooth devices, hold down the button until the light flashes blue.
- To reset the CO₂ CONTROLLER, press the button for 10 seconds. Once the blue light flashes and a red light comes on and then goes off again, the CO₂ controller has been reset.
- In the event of a CO₂ leak, briefly press the button after repair to reset the programmer.



HOW DO I INSTALL MY TRAP?

For areas up to 700 m²*

* Depending on the level of nuisance and the layout of the garden

GOOD POSITIONING IS ESSENTIAL FOR OPTIMAL EFFECTIVENESS.

WHEN?



When the average temperature exceeds 15°C,
as mosquitoes are very active above this
temperature.



As early in the year as possible
before mosquitoes reproduce and lay their eggs.



24 hours a day, 7 days a week
For maximum efficacy make sure the trap
operates 24 hours a day, 7 days a week. CO₂ diffusion
can be adapted to the species of mosquito.

WHERE?



In a damp, shaded area, close to plants
as this is where mosquitoes rest during the day.



Sheltered from the wind and sun
as mosquitoes don't like these conditions.



More than 5 metres from the terrace
to avoid attracting mosquitoes.



Place it on the ground



Don't worry, the trap is weatherproof

TEST SEVERAL LOCATIONS TO FIND THE BEST ONE!



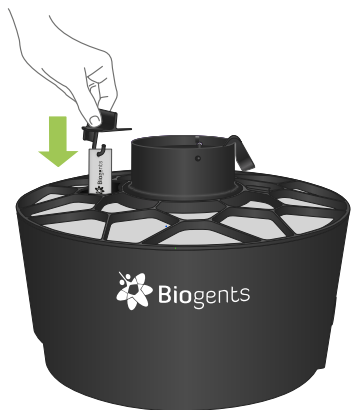
- As a general rule, we recommend one CO₂ trap per 700 m². However, actual coverage depends on the size of the mosquito population (the more breeding sites there are, the more mosquitoes there will be) and the design of the garden (the more vegetation there is, the more places there are for mosquitoes to hide).
- Place the traps in the main areas of vegetation in your garden: for example, near hedges or bushes. This is where mosquitoes like to rest.
- If your garden consists of two parts separated by the house, a trap should be placed on each side to protect both areas.





DON'T FORGET MAINTENANCE!

**REPLACE THE ATTRACTANT
EVERY 2 MONTHS MAXIMUM***



* Harsh weather conditions, such as strong sunlight or high humidity, may slightly reduce the duration.

Did you know?

Our patented Biogents SWEETSCENT/BG-Sweetscent attractant is the result of more than 20 years of research by our mosquito experts. It mimics the human scent, making the trap irresistible to mosquitoes!

Maintenance is essential to
maintain trap efficacy

**REPLACE THE CO₂ BOTTLE
ACCORDING TO THE SETTINGS DEFINED IN THE
MyBiogents APP:**

MyBiogents APP MAKES YOUR LIFE EASIER:

Receive **automatic notifications** when the
attractant or CO₂ bottle needs to be changed!

Android



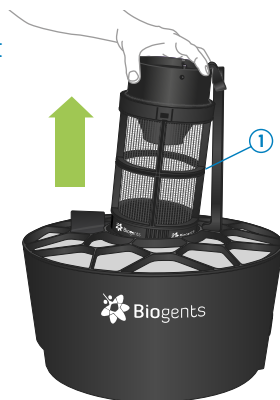
Apple



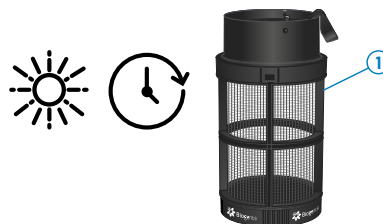
EMPTY THE CATCH CAGE AS SOON AS IT IS HALF FULL OR VERY DIRTY.

A Remove the catch cage ①.

The flap must be closed to prevent mosquitoes from escaping.



B If there are still a lot of mosquitoes, leave the catch cage ① in the sun for a few hours to dehydrate any remaining mosquitoes.



C Open the catch cage ① by turning the base clockwise and empty it.



D If there is significant dirt or obstruction of the nets, clean the catch cage ① with hot water. Never use detergent. The catch cage is then ready for reuse.



E Replace the catch cage ① in the trap. The trap is now ready to be reused. Check that the flap opens automatically when you activate the trap.





WARNING – SAFETY INSTRUCTIONS

To ensure your trap is
safe for everyone
(except mosquitoes!)

Biogents AERO TRAP PLUS trap

- The Biogents AERO TRAP PLUS trap captures all species of mosquitoes. In the event of an epidemic caused by mosquitoes, you should take further protective measures since using the trap alone does not offer 100% protection.
- The Biogents AERO TRAP PLUS trap should only be used outdoors.
- CAUTION! An electric shock hazard may exist if water from a garden hose is directed at the trap.
- If you use an extension cord, keep the plug away from any source of moisture and avoid damaging the cable.
- The device is not to be used in or around locations where flammable vapour or explosive dust is likely to exist.
- This device may be used by children aged 8 years and above and by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, provided they are supervised or have been given instructions on how to use the device safely and understand the risks involved. Children should not play with the appliance. Cleaning and user maintenance should not be carried out by children without supervision.
- The Biogents AERO TRAP PLUS trap and the Biogents SWEETSCENT / BG-Sweetscent attractant must be kept out of the reach of children.
- Only use accessories and spare parts recommended by the manufacturer.
- The trap and transformer must be protected from intense heat (above 40°C) and extreme cold (below 5°C).
- Only specialists using original parts may service or repair the Biogents AERO TRAP PLUS trap.
- The power adapter and cable cannot be repaired. If they are damaged, they must be disposed of appropriately and replaced.
- The manufacturer cannot be held liable for any damage caused by incorrect use or modification of the product.
- Biogents declines all responsibility for damage resulting from the use of non-original parts or accessories.
- Dispose of the device in accordance of the environment. They should not be thrown away with household waste. Dispose of this device at a recycling center for used electrical and electronic appliances. For more information, see the guidelines local to your municipality.
- Secure the CO₂ cylinder vertically to a stable support. A CO₂ cylinder that is not positioned vertically (e.g. lying down) is dangerous.
- Carbon dioxide (CO₂) can be supplied by various companies. Always follow the supplier's instructions and safety regulations.
- The device must only be powered by a very low safety voltage corresponding to the marking on the device.



INFORMATION ON BIOGENTS SWEETSCENT / BG-SWEETSCENT ATTRACTANT FOR THE EU

Attractant for adult Asian tiger mosquitoes (*Aedes albopictus*),

TP19 - Repellents and baits, GR - Granules.

DESIGNED TO BE USED IN COMBINATION WITH MOSQUITO TRAPS (Optimal effectiveness with Biogents traps). The attractant Biogents SWEETSCENT / BG-Sweetscent attracts the mosquitoes to the trap by mimicking human skin scent. The trap then captures the mosquitoes, thereby reducing the local population of mosquitoes. Read instructions before use. Use biocides safely. Always read the label and product information before use. For outdoor use for non-professional users. Nominal quantity: 13.0 g. Shelf life: 2 years after manufacture date.

Product name: Biogents SWEETSCENT / BG-Sweetscent

Authorisation number:

SE, FI, NO, PL: EU-0026801-0000

DK: 1077-1

Authorisation holder: Biogents AG,

An der Irler Höhe 3a , 93055 Regensburg, Germany

Composition: Lactic acid (CAS no. 50-21-5) 0.98 g/100 g

Formulation: GR - Granules

Product Type: Attractant PT19

Category of users: Non-professional

Fields of use: Asian tiger mosquitoes (*Aedes albopictus*) - Adults only -
Outdoors

Classification (Biogents SWEETSCENT / BG-Sweetscent)

If medical advice is needed, have product container or label at hand.

IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: Wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.

IF IN EYES: If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

IF SWALLOWED: If symptoms occur call a POISON CENTRE or a doctor.

Instructions for use:

Read the label or leaflet before use and respect all the instructions provided. Traps must have a ventilator to ensure a sufficient efficacy/diffusion of the product. A recommended distance between traps is over a 20 m radius based on mosquito behaviour and biology, with a higher density of traps only if the level of infestation is high. Remove white pouch (containing attractant granules) from the packaging and place it inside the mosquito trap. Do not open the white pouch. Asian Tiger Mosquitoes will be attracted after the trap has been switched on and placed properly. The trap has to run continuously with the Biogents SWEETSCENT / BG-Sweetscent inside to be effective for up to 8 weeks. Replace lure after 8 weeks. Dispose of contents/container in accordance with local regulations. The placement of the trap is important for its effectiveness. More information on the Biogents webpage.

Precautions for use:

Do not open packaging until the time of use. Retain the outer packaging for full use and safety instructions. Use only as directed. Use biocides safely. Always read the label and product information before use. Wash hands after handling. Keep away from food, drink and animal feeding stuff. Uncontaminated packaging may be taken for recycling. Keep only in original container. Keep container tightly closed and store it in a well-ventilated, cool and dry place. Keep out of reach of children, pets, and non-target animals.



TECHNICAL DATA



Appliance of class II

Technical data

Model: Biogents AERO TRAP PLUS

Weight: 4.42 kg

Dimensions of the trap: 33 x 33 x 38.5 cm

Dimensions of the CO₂ controller: 11.5 x 11 x 8 cm

Fan: 12 V DC; 3.6 Watt; IP55

Power supply: AC input 100–240 V; 6 Watt; IP44

Frequency: 60 Hz/50 Hz; DC output 12 V 1.5 A

CO₂ CONTROL SET:

Input: 12 V DC; Power consumption: 1 Watt; IP code: IPX5

Cylinder connection: W 21.8 x 1/14"

Frequency range: 2.402 – 2.480 MHz

Maximum transmission power: 10 mW

Compatible with DIN 477 No. 6 CO₂ gas cylinders

Manufacturer:

Biogents AG, An der Irlter Höhe 3a,

93055 Regensburg, Germany



The «crossed-out wheeled garbage bin» WEEE symbol means that you are legally obliged to dispose these devices separately from unsorted municipal waste. Disposal in household waste, e.g. in the residual waste bin or the yellow bin, is prohibited. Avoid improper disposal by correctly disposing of the device at special collection and return points

Trap manufactured in Germany

CO₂ CONTROL SET manufactured in the PRC

The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc. and are used by Biogents AG under licence. Other trademarks and brand names are the property of their respective owners.

Declaration of conformity: Biogents AG hereby declares that the radio equipment type (item no.: 20065) complies with Directive 2014/53/EU. The complete EU declaration of conformity test report is available at the following Internet address: www.biogents.com



CONTACT

Biogents AG, An der Irlter Höhe 3a, 93055
Regensburg, Germany

www.biogents.com
e-mail: sales@biogents.com



Manual: PAP 22

**EXTEND YOUR WARRANTY
FROM TWO TO THREE YEARS**

REGISTER TODAY



We respect your privacy and will never sell or rent your data to third parties. You can find more information about data protection online.