

Blood Sucking Pest Trap

User' s Manual

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Hinosho Co., Ltd.

Ver. 000

Change Log

Date	Ver	History	Author	Approval
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1) Before using

Thank you for purchasing the BSP trap. Please read the instruction manual carefully before using it and use it correctly. Although every effort has been made to ensure the quality of the product, please check for any defects. Please read the Safety instructions before use.

2) Safety precautions

The precautions indicated here are important for safe use. Please observe the information.

【About the graphical symbols】

 Prohibition	Improper handling may result in injury or damage to the appliance.
 Implementation	These are items that you must follow to ensure safe use.

【About the Instrument】



Prohibition

- *This instrument is for **outdoor use only**. Never install indoors.
- *Do not allow children to touch, move or install this device. (This may cause injury.)
- *Do not install in locations where fire is generated or used. (This may cause injury or fire.)
- *Do not stand on, step on, or place objects on this instrument (to prevent injury or falls).
- *Do not **throw** objects at the acrylic case or subject it to strong impacts (this may cause damage).
- *Do not disassemble or modify the product by yourself. Failures due to disassembly or modification are not covered by the warranty.
- *Do not wipe the acrylic case with alcohol or thinner. (This may cause damage)



Implementation

- *Movement and installation must be performed by an adult, and the instrument must be installed vertically.
- *When storing, wipe the appliance with water and remove the adhesive sheet.
- *Wash and wipe the attractant box with water.

【BSP Powder (Attractants) About.】

Attractants are also used as food additives and are safe to use, but always observe the following points.



Prohibition

- *Do not allow children to fill the BSP powder.
- *The BSP powder itself is non-flammable, but the decomposition product, ammonia gas, is flammable and should be kept away from fire.
- *BSP powder decomposes rapidly above a certain temperature and breaks down into CO₂, ammonia and water (weakly alkaline). Decomposed water drains out through drainage holes in the attractant box and may kill plants, so do not install on valuable lawns or plants. Do not install on valuable lawns or plants. Also, do not fill indoors as a trace amount of ammonia odor will be generated.



Implementation

- *Filling must be carried out by an adult. Filling should be done outdoors in the morning in a well-ventilated area using a measuring spoon or commercial product.
- *Wash hands thoroughly with soap and water if powder adheres to hands. If accidentally ingested, spit out immediately and gargle thoroughly.
- *In case of contact with eyes, flush with water for at least 15 minutes. If pain or irritation persists, seek medical advice.
- *If you have hand or skin irritations or other skin conditions, wear vinyl gloves.
- *When storing BSP powder, store in a cool, dark room (e.g. outdoor warehouse) outside the living area out of the reach of children and out of direct sunlight.

【About adhesive sheets】

The adhesive does not contain any toxic substances and can be used safely, but be sure to observe the following points.



Prohibition

- *Do not allow children to touch the adhesive sheet.
- *Do not allow children to install or remove the adhesive sheet.



Implementation

- *Installation and removal of adhesive sheets should always be performed by an adult.
- *If adhesive adheres to skin, wash thoroughly with water and soap. If it adheres to clothing, wipe it off with salad oil or similar.
- *Store adhesive sheets in a cool, dark room (e.g. outdoor warehouse) out of the reach of children and out of direct sunlight outside the living area.
- *[Remove the peeling paper on the surface of the adhesive sheet after mounting the unit.](#)
[\(Prevention of accidental contact with skin, clothing, etc.\)](#)
- *Dispose of used adhesive sheets as burnable waste.

※Always check the following before use and observe the following to ensure effective mosquito trapping.

***When installed in light-receiving**

- *By turning the light-receiving surface to the [due west](#), [the adhesive sheet](#) receives heat from sunlight in the morning and [the light-receiving surface](#) receives heat in the afternoon, so there is no need to change the direction. (See section 3 for details.)
- *This instrument is dealing with a natural environment. Even in sunny weather, the heat-receiving effect is reduced if the wind blows at [a speed of 5 m or more](#).
- *To ensure effective reception of sunlight, do not place or enclose obstacles on [the light-receiving surface or adhesive sheet surface](#) that block light reception.
- *When it rains, move the unit to a place out of the rain to protect the adhesive sheet. If it rains during light reception, stop light reception and move the unit to a place where it will not be exposed to rain.
- *Reception is best in sunny conditions. The light is also received on cloudy and sometimes sunny days, but hardly any light is received on days with thick cloud cover. Cloudy weather also significantly reduces the temperature rise of the adhesive sheet.

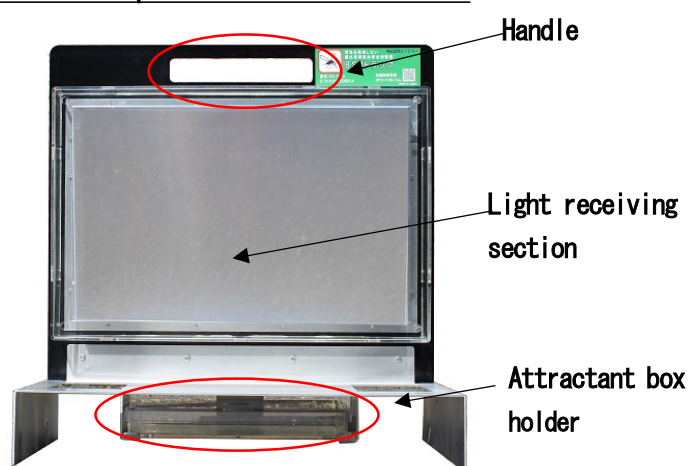
When mosquito traps are installed

- *Move the appliance to the area where mosquitoes are present or occur in the evening (after 4pm) and leave it in place until the following morning. Pull it up the next morning and check the weather before receiving it again. Do not set up the trap in the same place for a long period of time but change the location every few days. (approx. 2-3 days).
- *Even on sunny days, mosquitoes cannot be trapped in the evening or at night when wind speeds of 5m or more also slow down their flying activity.
- *As it is for outdoor use, insects other than mosquitoes are also trapped on the adhesive sheet.
- *Check the contents of the attractant in the box approximately once a week, and refill it if it is low.
- *Female mosquitoes are attracted by the attractant and captured by the heat effect of the adhesive sheet.
Female mosquitoes before mating are not attracted.
(Male mosquitoes may be trapped by the odor emitted by the female.)
- *Mosquitoes are not flight active in wet weather. Please refrain from using this instrument.

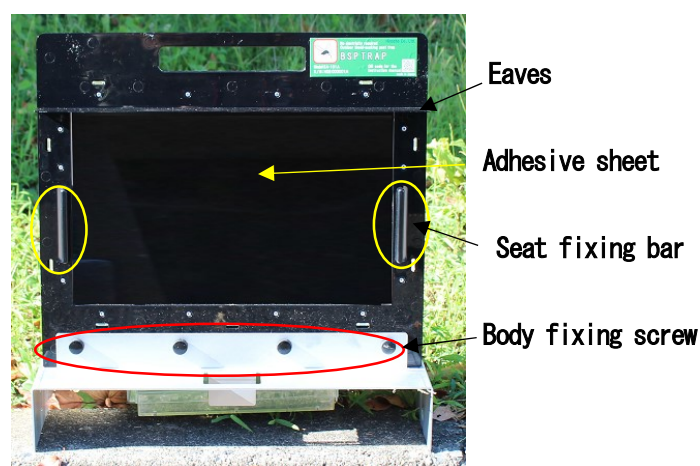
3) Check the contents

- | | |
|-------------------|--|
| ① BSP trap body | : 1unit |
| ② Adhesive sheet | : 5 sheets /set (attached only the first time) |
| ③ BSP Powder | : 1.0kg (attached for the first time only) |
| ④ Measuring spoon | : 1 bottle (attached for the first time only) |
| ⑤ Attractant box | : 1 piece (For this device only) |

1. Description of the instrument



Light receiving surface



Adhesive sheet surface

- | | |
|---------------------------|---|
| ① Handle | : The handle. |
| ② Light receiving section | : When receiving light, face <u>directly west</u> . |
| ③ Attractant box receiver | : Implement attractant boxes. |
| ④ Eaves | : For preventing accidental landing of fallen leaves and other debris.
(Effectiveness is reduced, e.g. during high winds and heavy rain) |
| ⑤ Adhesive sheet | : Adhesive sheet mounting section. (Adhesive sheet attached) |
| ⑥ Body fixing screw | : Screws for fixing the instrument. (4 places) |
| ⑦ Seat fixing bar | : Fix the adhesive sheet (one on each side). |
| ⑧ Size | : H425×W403×D200 Unit (mm) Weight: approx. 4.2 (kg) (*Japanese standard) |

2. How to use

2-1 Adhesive Sheets

Even if it gets wet in the rain, it will dry with heat if it is sunny the next day, so you can continue to use it as it is. Since it is for outdoor use, if it gets wet in the rain for a long time, dust in the air will adhere to it and the adhesive strength will decrease. To use the adhesive sheet effectively, if you know in advance that it is going to rain, move it to a place where it will not be exposed to rain. We recommend replacing the adhesive sheet about once a month, but if a lot of mosquitoes or insects adhere to it, please replace it each time.

2-2 How to attach/remove the adhesive sheet

Please refer to the attached adhesive sheet for installation/removal instructions.

2-3 About BSP powder

The raw material is [ammonium bicarbonate](#). The chemical formula [NH₄HCO₃](#). Please keep the zipper closed when storing.



Measuring spoons

2-4 How to refill

The attractant can be filled in the following way:



In the middle of filling (Photo 1)



Approximately 200g (Photo 2)



With the lid closed (Photo 3)

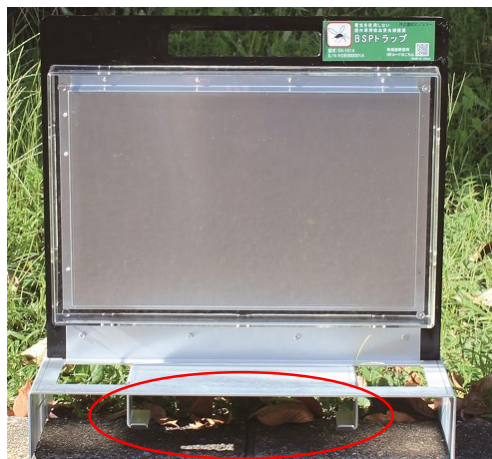
Measuring spoons (Photo1)

Filled with approx. 200 g of attractant (Photo2)

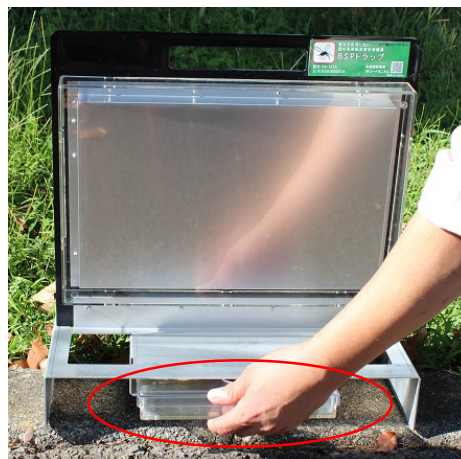
Close the lid. (Photo3)

※Deletion of divider in inducer box.

2-5 How to install the attractant box



Receiving stand



During mounting

※Place the attractant box on the stand and push it deep into the stand.

3. Installation of the unit.

By setting the light-receiving surface facing **due west**, the adhesive sheet receives heat from sunlight in the morning and the light-receiving part receives heat in the afternoon, so there is no need to change direction. (Photo1) The reception time should be at least six hours between 9:00 and 3:00 pm. (Photo1) The light receiving time should be at least 6 hours between 9:00 am and 3:00 pm. After receiving the heat (after 4:00pm in the evening), move and install in a location out of direct sunlight where mosquitoes are attracted.

Examples of installation include:

in the bush (Photo3), around the bush (Photo4), around the doghouse (Photo5), around the birdhouses (Photo6), kindergartens (Photo7), around house entrances and exit (Photo8) Thicket (Photo9), around prefabricated buildings (Photo10) and around entrances to hotels and flats. Around hotels and condominium entrances and around the waterfront.

Receiving light of the instrument.



3pm



Photosensitive area **due west** (Photo1)



9am



3pm



Photosensitive area **due east** (Photo2)



9am

※Example of installation location

In the bush (Photo3)



Around the bush (Photo4)



Around the dog house (Photo5)



Around the birdhouse (Photo6)



kindergartens. (Photo7)



Around house entrances and exits (Photo8)



Thicket (Photo9)



Around prefabs (Photo10)



- Point**
- ① In locations with buildings or trees facing west, where sunlight exposure is reduced, install the light-receiving surface **directly east (Photo2)** and allow it to receive light for at least 4 hours. (In this case, the mosquito trapping effect will be slightly less effective.)
 - ② To prevent accidental adhesive contact with skin and clothing, keep the adhesive sheet facing outward when moving the product.

※This instrument captures mosquitoes with an attractant. Insects other than mosquitoes are also captured by the adhesive sheet.

***Pest species attracted to CO₂ (blood-sucking females)**

Black flies, horseflies and biting midge. Ticks, etc.

***Insects attracted to ammonia.**

Flies (e.g. houseflies) and cockroaches.

***Other (e.g. color)**

Moths, bees and other flying pests.

4. Purchasing consumables

Contact the company or your dealer about the purchase and availability of consumables.

- ① Adhesive sheets: 5 sheets/set ② BSP powder: 1.0 kg ③ Attractant box: 1box

5. Inquiries about the instrument

For inquiries about this instrument, please contact us or the retailer where you purchased it.

Contact : Hinoshio Co., Ltd. 4-16-13 Hinodai, Hino-shi, Tokyo 191-0003, Japan TEL : +81-80-4585-2074

Email : a-shoji@hinoshio.co.jp

6. Product Warranty

The warranty period is one year from the date of purchase. If the product fails within the warranty period in accordance with the notes in the operating instructions, it will be repaired free of charge.

Send the product together with the warranty card to us or your dealer. In the event of on-site repair or product transportation to the location where the product is located, the cost of travel and transportation will be charged.

✂ line to cut off

Certificate

Model name	SA-101A	Repair notes (e.g. symptoms)
Customer	Name address 〒	
Date of purchase	Year Month Day / / Name of the dealer	
Warranty period	1 year from the date of purchase.	

※Please make sure that the fields marked with an asterisk (*) are filled in, otherwise the entry will be invalid.

*Even within the warranty period, repairs will be charged for in the following cases.

- ① Malfunctions and damage due to incorrect use or improper repair or modification.
- ② Failure or damage due to transportation, moving or dropping after purchase.
- ③ Malfunctions and damage caused by fire, earthquake, flood, lightning, other natural disasters, pollution, salt damage, gas damage (sulfide gas), etc.
- ④ Replacement of consumables and other items.

7. Patent

The instrument has already been patented in the following countries.

Japan	4 8 7 8 6 1 1
China	Z 1 2 0 1 2-1-0 0 3 1 7 1 6. 9