



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 15, 2018

Katherine Ellis  
Product Development Manager  
Aberdeen Road Company  
D/B/A Hercon Environmental  
P.O. Box 435  
Emigsville, PA 17318-0435

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Revision to Supplemental Distributor Directions and Claims  
Product Name: Hercon Mosquito Attractant  
EPA Registration Number: 8730-62  
Application Date: June 14, 2018  
OPP Decision Number: 541911

Dear Ms. Ellis:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration

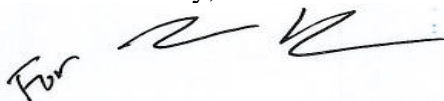
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process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Gina Burnett by phone at (703) 605-0513 or via email at [burnett.gina@epa.gov](mailto:burnett.gina@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Bryceland", is written over a light blue rectangular background.

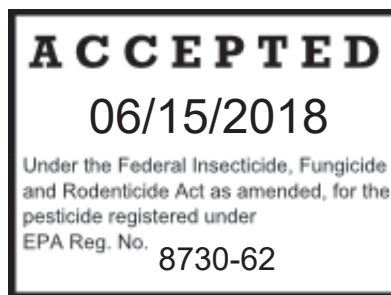
Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

## HERCON® MOSQUITO ATTRACTANT

Alternate Brand Names for lure and/or devices:

- “Black Flag Mosquito Octenol Lure”
- “Black Flag Bug Zapper”
- “Catchmaster Mosquito Attractant”
- “PIC Portable Mosquito Zapper”
- “PIC Xtenol Mosquito Lure”
- “Zaplight Mosquito & Flying Insect Trap”
- “Zaplight Mosquito Octenol Lure”



Master Label Includes:

- Main label
- Optional label claims
- Label text specific to supplemental distributors

EPA Reg. No. 8730-62

Made in the USA by:

Aberdeen Road Company d/b/a HERCON ENVIRONMENTAL

P.O. Box 435 Emigsville, PA 17318-0435

EPA Est. No. 8730-PA-01

Questions? 866-4-HERCON

®“HERCON” is a registered trademark of Aberdeen Road Company, Emigsville, PA.

# MAIN LABEL

## HERCON<sup>®</sup> MOSQUITO ATTRACTANT

[Size Options]

[1-Octen-3-ol Emitter Strip 150] [Bait Chip 150]<sup>(A)</sup>  
[1-Octen-3-ol Emitter Strip 180] [Bait Chip 180]<sup>(B)</sup>  
[1-Octen-3-ol High Load Emitter Strip 1660] [Bait Chip 1660]<sup>(C)</sup>  
[1-Octen-3-ol 150 mg Lure]<sup>(D)</sup>

### ACTIVE INGREDIENTS:

1-Octen-3-ol.....6.3%\*

**OTHER INGREDIENTS**..... 93.7%

**TOTAL**.....100.0%

\*Equivalent to [150 mg 1-octen-3-ol] [per emitter strip] [bait chip]<sup>(A)</sup>  
[180 mg 1-octen-3-ol] [per strip] [bait chip]<sup>(B)</sup>  
[1660 mg 1-octen-3-ol] [per strip] [bait chip]<sup>(C)</sup>  
[150 mg 1-octen-3-ol per lure]<sup>(D)</sup>

### CONTENTS:

[1] [Emitter Strip 150] [Bait Chip 150]<sup>(A)</sup>  
[1] [Emitter Strip 180] [Bait Chip 180]<sup>(B)</sup>  
[4] [Emitter Strips 180] [Bait Chips 180]<sup>(B)</sup>  
[1] [High Load Emitter Strip 1660] [Bait Chip 1660]<sup>(C)</sup>  
[1 Lure]<sup>(D)</sup>

### NET WEIGHT:

[0.08 oz (2.4 g)]/[Emitter strip]/[Bait Chip][150]<sup>(A)</sup>  
[0.1 oz (2.45 g)]/[Emitter strip]/[Bait Chip][180]<sup>(B)</sup>  
[0.4 oz (11.44 g)]/[4 Emitter strips]/[4 Bait Chips][180]<sup>(B)</sup>  
[0.93 oz (26.35 g)]/[High Load Emitter strip]/[Bait Chip][1660]<sup>(C)</sup>  
[0.08 oz (2.4 g)/Lure]<sup>(D)</sup>

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

[Read Directions and Precautionary Statements Before Use]  
[See Directions for Use and Precautionary Statements on Back Panel and/or Owners  
Manual Before Use]  
[See Back Panel for First Aid][& Precautionary Statements Before Use]

[Front panel] [Back panel] [Side panel] [Insert]

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes and mouth. Wash hands thoroughly with soap and water after handling.

FIRST AID
<b>IF ON SKIN</b>
<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF IN EYES</b>
<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED</b>
<ul style="list-style-type: none"><li>• Call the poison control center or doctor immediately for treatment advice.</li><li>• Have the person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ). After 4:30 pm call your poison control center at 1-800-222-1222.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

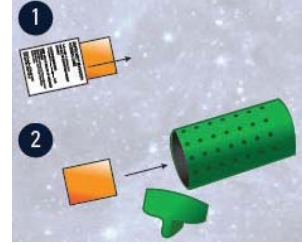
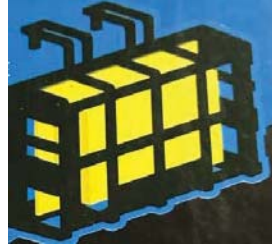
[Option 1:] [When ready to use, remove mosquito attractant dispenser from pouch. Attach dispenser to outer enclosure by placing it in the appropriate attachment on the zapper or trap. When used as a trap lure, read attachment directions on trap label for best results.] [Replace attractant dispenser after 30 days (for zappers).] [Replace every 21 days when used in propane traps.]

[Or] [Option 2:] **[How to apply:**

1. Remove lure [clip] from [the] pouch [and snap into the built-in holder at the bottom of the [Brand Name] [trap]/[device]].
2. [Place lure in the cassette provided and] attach [clip] to the outer [grid or] enclosure of trap.

3. Replace lure [clip] after 30 days.]

[Optional illustrations]



#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store unopened container in a cool dry place until ready for use. Do not store with food.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

[Made] [Manufactured] [in the USA] [by]

[Aberdeen Road Company d/b/a HERCON ENVIRONMENTAL]

[P.O. Box 435 Emigsville, PA 17318-0435]

[Questions? 866-4-HERCON]

[®"HERCON" is a registered trademark of Aberdeen Road Company, Emigsville, PA.]

[Made] [Manufactured] [in the USA] [for]

[Supplemental Distributor Address]

[Supplemental Distributor Phone Number]

[Supplemental Distributor Web Site]

EPA Reg. No. 8730-62-[XXXXX]

EPA Est. No. XXXXX-XX-XX

## OPTIONAL LABEL CLAIMS

[For Use with Electronic Insect Killers and Traps]

[The [Brand Name] [Hercon Mosquito Attractant] is intended for use as a[n] [lure] [attractant] with electronic insect killers [(“[bug] zappers”)] [and mosquito traps] [of all brands]]

[It is designed to release 1-octen-3-ol, an insect attractant, continuously for 30 days]

[Slow-release strip designed to emit mosquito attractant for 30 days]

[Increases the device’s effectiveness in killing certain mosquitoes and biting flies]

[Zapper or trap effectiveness is increased by luring mosquitoes and biting flies to it]

[Lures certain mosquitoes and biting flies to zappers and traps]

[30 day continuous release]

[Slow-release 30 day supply]

[Universal lure clip] [fits most zapper brands]

[To increase the trap’s effectiveness,] [insert the] [Brand Name] [Mosquito Octenol Lure] [into the] [color] [cartridge] [chamber]

[Increase the device’s effectiveness in killing certain mosquitoes] [and biting flies] [with the included lure]

[For outdoor use] [only]

Label text specific to Supplemental Distributor EPA Company No. 85017,  
Greenscapes Home & Garden Products, Inc. (Zapper packaged with 150 mg lure)

**BLACK FLAG BUG ZAPPER** Models BZC-100, BZC-200, BZ-10, BZ-15N, BZ-20, BZ-40, BZ-40DX, BZ-40MAX

*{Note to Reviewer: This sub-registrant may package the octenol lure with the Black Flag Zapper device [model # xxxxxx] and several of its electronic insect zapper devices in the same carton. The octenol lure serves as an attractant and adds to the utility of the electronic device. The following text below represents text that may appear on the outer carton label of a zapper device unit.}*

#### [OUTER BOX]

##### [Optional Directions for Use]

- Best yard placement:
- Position unit at least [6] [10] [20] feet away from areas of human activity
- Hang unit 5-7 feet high [, using outdoor extension cord]
- [Place on flat surface at least 3 feet high. If hanging, optimal height is 5 feet.]
- Place near insect breeding grounds, shrubs/trees, shade and standing water

##### [Optional Claims]

- One Black Flag™ Mosquito Octenol Lure Included Inside
- Contains one Black Flag™ Mosquito Octenol Lure Attractant with clip
- Lures certain mosquitoes and biting flies to zapper
- 30-day continuous release
- Refill[s] [replacements] sold separately
- [Attaches to outside black grid of bug zapper]
- [UV white light attracts/kills insects]
- [Powerful & compact]
- [Max] [Deluxe] [Cordless] Bug Zapper
- [5-in-1 Bug Killing System]
- [Black Light Technology]
- [Black UV and green LED lights]
- [Attracts/kills 40% more insects\* (\*compared to UVA white light bulbs)]
- [Dusk to dawn sensor option]
- [Set to come on at dusk and off at dawn]
- [24-hour option if bugs come out during daytime]
- [12] [24] [hours run time] [3X] [5X] [more run time vs. competitors\* (\*Compared to Competitor XXXX)]
- [12] [24] [hour] [battery life] [full charge within [3] [5] hours]
- [Quick charge power adapter]
- [Light Fusion] [Superior Performance] [UV + LED Bulb]



- [Ultraviolet + LED light for superior attraction of wide variety of flying insects]
- [Digital Controls with] [2, 4 & 6 hour timer] [settings]
- [Use at home and on the go!] [Perfect for patios, decks & camping]
- [Easy screw in bulb]
- [20% more bulb life<sup>†</sup> (<sup>†</sup>printed circuit board compared with transformer)]
- [30% less energy used<sup>†</sup> (<sup>†</sup>printed circuit board compared with transformer)]
- [1] [3] [5] year warranty
- [2000] [4000] [4500] [5500] volts
- [½] [1] [1½] acre coverage
- [[10] [15] [40] watt [black] light attracts insects into electrical grid, electrocutes them, they fall to ground]
- [Sturdy large hook for portability and hanging]
- [Sturdy plastic grid keeps out children, pets and wildlife]
- [Double mesh grid increases zapping performance]
- [Easy door access for changing bulb]
- [Weather proof]
- [Movement] [Green LED light cycles on/off to simulating movement]
- [Heat] [High voltage killing grid alternated heat and luring insects]
- [Light] [40 watt black light attracts and kills 40% more insects\* (\*compared to UVA white light bulbs)]
- [Color] [Black vs. green light attracts insects into the killing field]
- [Scent] [Octenol lure clips to side and mimics human breath]
- Bulb contains mercury, dispose of properly.

EPA Reg. No. 8730-62-85017

[EPA Est. No. 85017-GA-001]

[EPA Est. No. 087729-CHN-001]

[EPA Est. No. 93178-CHN-1]

**Label text specific to Supplemental Distributor EPA Company No. 85017,  
Greenscapes Home & Garden Products, Inc. (Zapper packaged with 150 mg lure)**

**BLACK FLAG BUG ZAPPER Models BZC-100, BZC-200, BZ-10, BZ-15N, BZ-20, BZ-40, BZ-40DX, BZ-40MAX**

*{Note to Reviewer: This sub-registrant may package the octenol lure with the Black Flag Zapper device [model # xxxxxx] and several of its electronic insect zapper devices in the same carton. The octenol lure serves as an attractant and adds to the utility of the electronic device. The following text below represents text that may appear on the instruction manual insert of a zapper device unit.}*

## **[INSTRUCTION MANUAL INSERT]**

### **[CORDLESS MODELS BZC-100, BZC-200]**

#### **IMPORTANT SAFETY INSTRUCTIONS**

**Please read these instructions before using the Cordless Bug Zapper and keep for future reference.**

- 1. WARNING: Keep unit and adapter cord out of reach of children.**
- 2. Do not** use this product for other than its intended use.
- 3.** The product should be powered only as described in this Owner's Manual or as marked on the unit.
- 4. Only** use the AC adapter that is provided with this unit. Using an adapter with different voltage, or one that is not intended for the unit, may cause damage to unit, damage to personal property or personal injury.
- 5.** For indoor/outdoor residential use only – not intended for permanent installation or use.
- 6. Do not** insert fingers or any foreign objects into the unit while it is ON or connected to a power source.
- 7. Do not** clean this product with water, spray or any other liquids. **Do not** place where it can fall into water.
- 8. Do not** cover the product with cloth, paper or any material not part of the product when in use.
- 9. Do not** place the unit near heat, gas, oil or other flammable materials.
- 10.** Store product indoors when not in use – out of reach of children.
- 11.** To reduce the risk of electrical shock, always turn product OFF and disconnect from power source before servicing, cleaning and changing bulbs.
- 12.** All power connections should be kept off the ground and dry.

**WARNING: SKIN OR EYE DAMAGE MAY RESULT FROM DIRECTLY VIEWING THE LIGHT PRODUCED BY THE LAMP IN THIS APPARATUS. ALWAYS DISCONNECT POWER BEFORE RELAMPING OR SERVICING.**

#### **BLACK FLAG CORDLESS BUG ZAPPER OVERVIEW**

The Black Flag Cordless Bug Zapper uses an innovative UV-LED Bulb to attract a wide range of flying insects. While the LED portion of the Bulb prolongs use to 10,000 hours, it is highly recommended to change the Bulb every year for maximum Insect attraction to the Bug Zapper. The UV portion of the bulb becomes less effective with usage. Flying Insects are attracted to the UV-LED Light and are electrocuted by the metal killing grids. The sturdy protective outer grid prevents animals and children's fingers from touching the metal grids. This product is for indoor/outdoor residential use only.

#### **BEST YARD PLACEMENT**

- \* Position unit at least [6] [10] feet away from areas of human activity.
- \* [Place on flat surface at least 3 feet high. If hanging, optimal height is 5 feet.]
- \* [Hang unit 5-7 feet high.]
- \* Place near insect breeding grounds, shrubs/trees, shade and standing water.

## OPERATION

Although the unit may come partially charged from the factory, we recommend that you fully charge the battery before first use using the included AC adapter.

**Only** use the AC adapter that is provided with this unit. Using an adapter with different voltage, or one that is not intended for the unit, may cause damage to unit, damage to personal property or personal injury.

1. To charge the unit, plug in the AC Adapter into the charging port located in the center of the Control Panel.

When Charging, the Charge Light is Red and when Charging is Complete the Light is Green.

2. Charging will take up to [3] [5] Hours depending upon usage.

[3. After the Unit is charged, push the On/Off button to Turn On and Green Light comes on.]

[4. Press Timer button One Time for 2 Hours, Press Two Times for 4 Hours and Press Three Times for 6 Hours.]

[5. The Battery has Discharge Protection. When the Battery has Low Power, the Power Indicator will Turn To Red indicating it's time to Charge the unit.]

## INSTALLING THE BLACK FLAG MOSQUITO OCTENOL LURE (Figure 4)

One Black Flag Mosquito Octenol Lure (Model BZ-OCT1) is included with the unit. Simply remove the Lure from the Pouch and clip on the Bug Zapper's Black Outer Grid as shown in Figure 4. The Octenol will continuously release for 30 days and has been shown to be effective in attracting many species of mosquitoes and biting flies to the zapper. Be sure to replace the Octenol Lure every 30 days for best results.

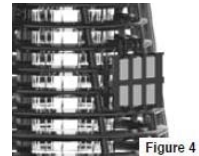


Figure 4

## REPLACING THE BULB

Only use Black Flag Cordless Bug Zapper UV-LED Bulb, Model [BBC-100] [BBC-200]. It is recommended to replace the Bulb every year to maintain optimal UV Light effectiveness. You may not notice a change in light color, but the UV light visible to flying insects diminishes with usage.

1. [Push the On/Off Button and Green Light will go off.] [Slide the On/Off switch to Off position.]

2. Open the bottom door and twist the bulb counter clockwise until you can pull it out of unit.

3. Insert new bulb by twisting clockwise until secure.

4. Close the bottom door.

5. [Push the On/Off Button] [Slide the On/Off Button to the On position] and you will see Green Light indicating the unit is On.

[You may notice a vertical black shadow on the side of bulb. This is normal, it is the spacer bar for the LED lights. This has no impact on effectiveness of bulb.]

To order replacement bulb and lures, visit [www.greenscapesinc.net](http://www.greenscapesinc.net) or call 1-866-629-6652

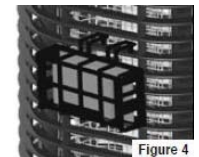


Figure 4

## CLEANING

As the unit kills insects, most of the insect remains will be vaporized or fall down through the unit. Some remains may be left on the grids and over time may reduce the effectiveness of the device. Make sure to regularly clean your unit to achieve maximum effectiveness. The time in between each cleaning will vary depending upon your insect populations. Check your unit frequently and clean any insect remains you see.

- [Remove the entire unit from hanging position.]
- Turn unit off by [sliding the On/Off switch to Off position] [pushing On/Off button].
- Turn unit upside down, unlatch bottom door and twist bulb in counter clockwise direction.
- Gently pull bulb out of the unit.
- If available, it's best to use a portable hair dryer or compressed air to blow the insect remains out of the unit.
- Using a small brush or stick, gently remove any insect remains from the outer casing and inner grids by inserting into each horizontal slot and moving side to side.
- Never use water to clean your unit, water could damage the electrical components.
- Be very careful not to move the metal grids from the seatings.
- Once the unit is clean, replace the bulb by inserting and twisting clockwise.
- Close the door, return the unit to [upright] [hanging] position, [push On/Off button once until you see green light] [slide the On/Off button to On position and Green Light will come on indicating the Unit is working].

## TROUBLESHOOTING

### **Unit will not light, no apparent grid voltage**

- Make sure the unit is charged.
- Make sure Power is on by [pressing On/Off button once] [sliding On/Off button to ON position] until you see the green light.

### **Unit will not light, grid has voltage**

- Check bulb to make sure it is seated properly.
- Replace bulb if necessary.

### **Unit appears to be working properly but insect population does not seem reduced**

- Allow more time for flying insects to find the unit.
- Try moving the unit to another area. See Best Yard Placement Section of this Owner's Manual.

### **Unit is constantly arcing (sparking)**

- Clean the unit per the instructions in this manual.

\*If the above troubleshooting does not solve your problems or if you have other questions, please call consumer service at 1-866-629-6652 or email [customerservice@greenscapesinc.net](mailto:customerservice@greenscapesinc.net).

## 1 YEAR LIMITED WARRANTY

The Black Flag Cordless Bug Zapper, Model [BZC-100][BZC-200] is warranted against defective material or workmanship for a period of one year from the date of purchase. Any defective part will be at the discretion of Greenscapes Home & Garden Products, Inc., repaired or replaced at no charge if the appliance has not been tampered with and has been used according to these printed directions. The consumer is responsible for charges incurred to ship the defective unit to Greenscapes Home & Garden Products, Inc. for repair/replacement. Retain your receipt to prove warranty. This warranty gives you specific legal rights as well as other rights that vary from state to state or province to province. If you experience unsatisfactory operation, first refer to the "Troubleshooting" section of this manual and follow those suggestions. If Troubleshooting doesn't work, please contact Greenscapes Home & Garden Products, Inc. for repair instructions. If you have questions of comments, please call Greenscapes Home & Garden Products, Inc. at 1-866-629-6652 or email [customerservice@greenscapesinc.net](mailto:customerservice@greenscapesinc.net). Please do not return this product to the store. Contact Customer Service. We are here to help you.

## **[CORDED MODELS BZ-10, BZ-15N, BZ-20, BZ-40, BZ-40DX, BZ-40MAX]**

### IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions before using the Bug Zapper and keep for future reference.

1. This product is equipped with a 2-prong plug to fit the proper type receptacles. To reduce the risk of electrical shock, only plug into a properly installed outlet.
2. Do not insert fingers or any foreign objects into the unit while it is connected to an electrical outlet.
3. Collected insects within the unit may contribute to fire so clean dead insects from the unit frequently.
4. Do not clean this product with water spray or any other liquids. Do not place where it can fall into water, or near flammable materials.
5. Store product indoors when not in use – out of reach of children.
6. Always disconnect plug before servicing, cleaning, changing bulbs and when not in use.
7. Do not abuse cord – never carry unit by cord or unplug unit by pulling on the cord - only unplug by pulling on the plug. Keep cord away from heat, oil, or sharp edges.
8. Extension cords used with this product must be marked with suffix letters "W-A" and with a tag stating "Suitable for Use with Outdoor Appliances".
9. Use only extension cords that have plug and receptacles that match the product plug. Replace damaged cords.
10. Electrical rating of the extension cord must be as great as the electrical rating of the product.
11. There are devices available for retaining a connection between an extension cord and a power supply cord. Connections should be kept off the ground and dry.
12. Do not mount the unit on house, other buildings, on decks or near heat, gas, oil or other flammable materials.
13. For outdoor use only.
14. Do not insert foreign objects into this product.
15. Built with double insulated electronic components, When servicing, use only identical replacement parts.
16. For household use only

**WARNING: SKIN OR EYE DAMAGE MAY RESULT FROM DIRECTLY VIEWING THE LIGHT PRODUCED BY THE LAMP IN THIS APPARATUS. ALWAYS DISCONNECT POWER BEFORE RELAMPING OR SERVICING.**

## IMPORTANT INFORMATION ABOUT INSECT CONTROL

The Bug Zapper is designed to lure and kill a wide range of flying insects. The ultraviolet (UV) light given off by this unit is within the luminescent range proven effective to attract these insects. Insects are attracted to the light and killed as they contact the electrically charged inner grid area. Insects fall through the open base onto the ground. The outer grid helps prevent pets, birds, butterflies, and children's fingers from contacting the charged grids. The unit is for outdoor use only and can withstand moderate rain. For best results, the unit should be installed in early spring and left on continuously through the season. Store in garage, shed, basement within original box or similar size box to protect for next season.

## CHOOSING A LOCATION

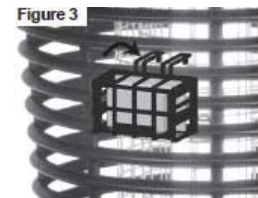
When selecting a location, you want to remember the insects will be attracted to the unit so do not put the unit near human activity. Choose a location at least 20 feet away from the area you are trying to protect. If there is a water source nearby, place the unit between you and the water because water is often a breeding ground for flying insect pests.

## INSTALLATION AND OPERATION

1. Unpack unit, save all packaging material for off-season storage.
2. Select the proper location to hang your unit using the information above choosing a location
3. Hang the unit approximately 5 - 7 feet above the ground from a tree, mounting pole or other free standing object. Never mount the unit from house or other building.
4. Plug cord into a compatible extension cord rated for outdoor use.
5. The unit will be on once it is connected to an electrical source. This unit does not have an "on/off" switch. Please allow up to 3 minutes for the bulb to light completely.
6. This unit is designed to withstand moderate rain but should be taken down and stored indoors during severe weather.
7. It is recommended that this unit be put to use in early spring and left out until late fall to maximize effects.
8. Using the available lure will add to the effectiveness of the unit to attract more insects to the unit.
9. Deluxe and MAX versions (BZ-40DX/MAX) have 2 settings-24 Hour Operation or Dusk to Dawn Sensor
  - a. To select 24 Hour Operation, slide the yellow button on the cap down into the "24 Hrs" mode. The unit will remain on 24 hours a day.
  - b. To select Dusk to Dawn Sensor Operation, slide the yellow button on the cap up into the "Half Moon" mode. The unit will turn on automatically at dusk, operate through the night and turn off in the morning.

## INSTALLING THE BLACK FLAG MOSQUITO OCTENOL LURE (Figure 3)

You will find a Mosquito octenol lure included with the Bug Zapper Unit. Remove the lure clip from the pouch. Attach clip to outer grid of the zapper, any position on zapper grid is good. Zapper effectiveness is increased by luring mosquitoes and biting flies to it. Replace lure clip after every 30 days for best results. The universal fit mosquito octenol lure clip will fit on most Bug Zapper brands. To remove the clip simply push up the 2 prongs against the top of the grid and pull out.



## CHANGING BULBS

Even though the bulb's light may be visible to you, its ability to attract insects diminishes over time. If the bulb fails to light or the color of the light changes to yellow or orange it is time to replace the bulb.

1. Unplug and remove entire unit from hanging position.
  2. Turn unit upside down, open the bulb base by pushing the latch towards the center of the unit and lifting the base up, remove old bulb.
  3. Insert the new bulb making sure it is properly seated in the socket.
  4. Close the bulb base by snapping it back into place.
  5. Place unit back into the hanging position and plug back into the outlet.
- Note: If unit fails to light after replacing bulb, take unit down and remove the bulb and reseat 4 prongs of bulb into socket.

## CLEANING

As the unit kills insects, most of the insect remains will be vaporized or fall down through the unit. Some remains may be left on the grids and over time may reduce the effectiveness of this device. Make sure to regularly clean your unit to achieve maximum effectiveness. The time in between each cleaning will vary depending on your insect populations. Check your unit frequently and clean any insect remains you see.

1. Unplug and remove entire unit from hanging position.
2. Remove bulb from unit to avoid damage (see above instructions).
3. Using a small brush or stick, gently remove any insect remains from outer casing and inner grids by inserting into each horizontal grid slot and moving side to side.
4. If available, you may use a portable hair dryer or compressed air to clean out your unit.
5. Never use water to clean your unit, water could damage the electrical components.
6. Be very careful not to move the grids from the seatings.
7. Once the unit is clean, replace the bulbs, return the unit to the hanging position and reconnect to power source.

## TROUBLESHOOTING

Problem: Unit will not light, no grid voltage. Solution: Make sure unit is plugged into a working outlet

Problem: Unit will not light, grid has voltage. Solution: Be sure bulb is inserted properly, 4 prongs are connected into unit. Replace bulb if necessary

Problem: Unit has constant zapping on one or several areas of the grid. Solution: Clean unit per the "Cleaning" section of the manual

Problem: Unit has low zapping. Solution: Insect population may be low, but zapper is working, look for dead insect remains in the unit to confirm. Try moving the unit to a different location per "Choosing a Location" section of the manual.

If the above troubleshooting does not solve the problem, please call consumer relations at 866-629-6652 or visit [www.greenscapesinc.net](http://www.greenscapesinc.net)

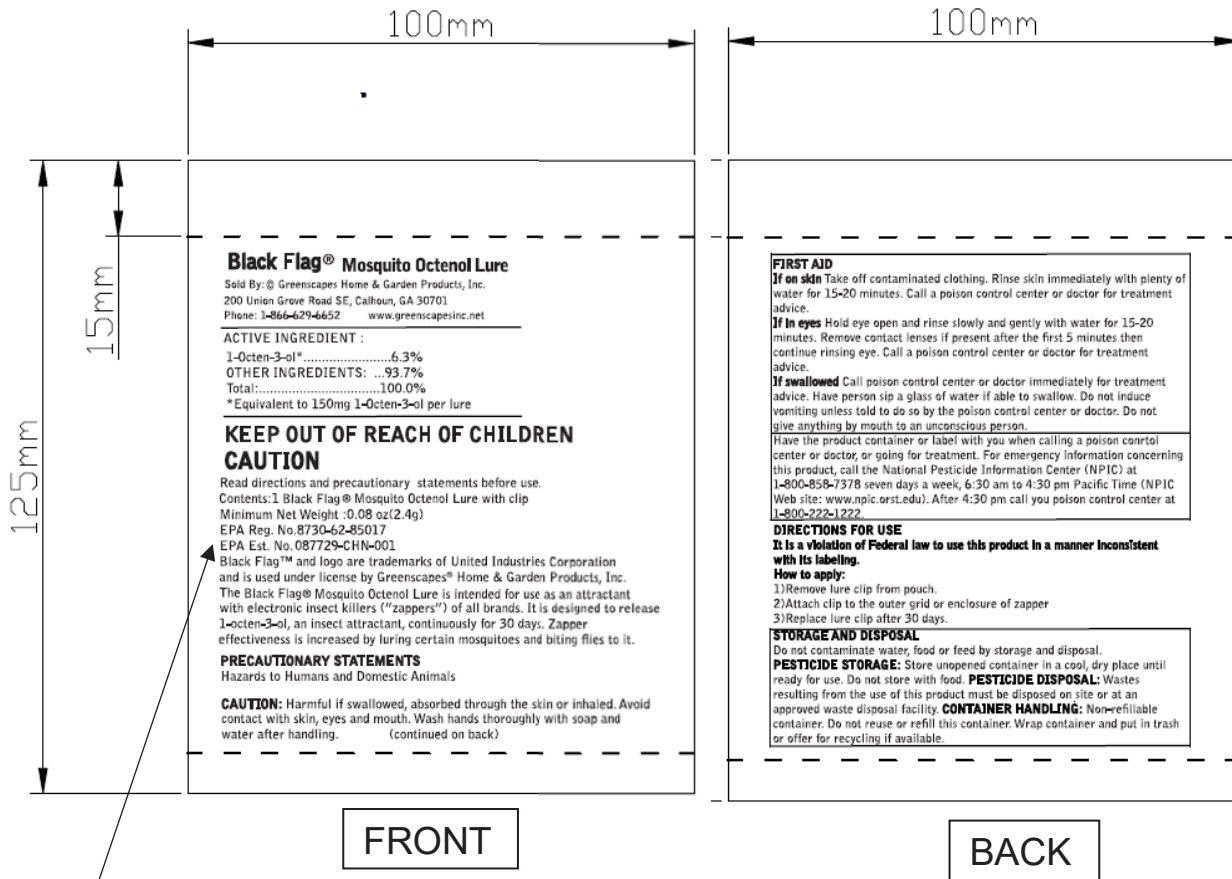
## PRODUCT LIMITED WARRANTY

Black Flag Model BZ-20 has a 1 year warranty, Model BZ-15N has a 3 year warranty and other, larger models have a 5 year warranty against defective material or workmanship from the date of purchase. Any defective part will be, at the discretion of Greenscapes Home & Garden Inc, repaired or replaced at no charge if the unit has not been tampered with and has been used according to these printed instructions. The consumer is responsible for charges incurred for shipping the defective unit to Greenscapes Home & Garden Inc for repair/replacement. Be sure to retain your purchase receipt to prove warranty. This warranty gives you specific legal rights as well as other rights that vary from state to state.

Label text specific to Supplemental Distributor EPA Company No. 85017,  
Greenscapes Home & Garden Products, Inc. (150 mg lure)

**BLACK FLAG MOSQUITO OCTENOL LURE**

**[POUCH WRAPPER FOR OCTENOL LURE + CAGE IN BOX]**



EPA Est. No. [087729-CHN-001] or [93178-CHN-1]

**Label text specific to Supplemental Distributor EPA Company No. 85017,  
Greenscapes Home & Garden Products, Inc. (Replacement 150 mg Lure)**

**BLACK FLAG MOSQUITO OCTENOL LURE Model BZ-OCT1**

[Optional Claims]

- Fits most zapper brands
- Lures certain mosquitoes & biting flies to zapper
- 30-day continuous release

EPA Reg. No. 8730-62-85017

EPA Est. No. 087729-CHN-001