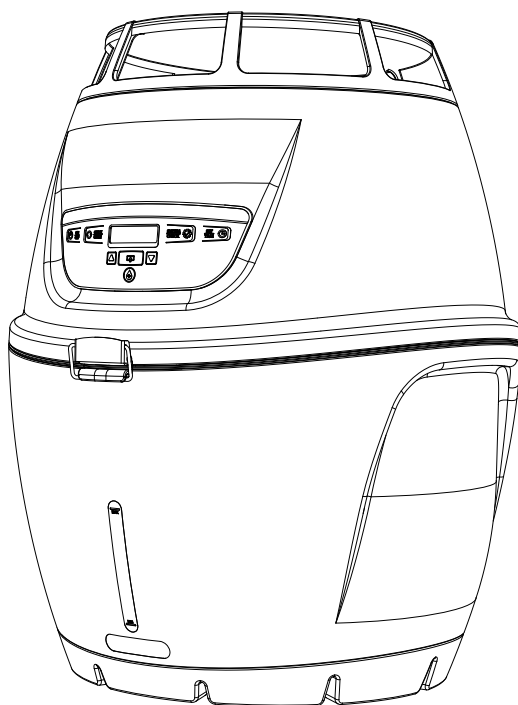




Part # 900

MOSQUITO PREVENTER

Featuring
ZERO-HATCH
TECHNOLOGY



OWNER'S MANUAL

SAFETY INFORMATION

- This owner's manual contains important information necessary for the proper assembly and safe use of this product.
- Read and follow all warnings and instructions before assembling and using the product.
- Keep this manual for future reference.

WARNINGS:

- **GREEN/STRIKE®** Mosquito Lure's contain small quantities and trace amounts of hazardous chemicals. AVOID all contact with eyes, ears, nose and mouth. After handling Lure's, thoroughly wash contacted skin. Keep out of reach of children and animals. Avoid inhaling or ingesting.
- For outdoor use only! Do NOT use indoors!
- Store all Lure's in a cool, dry place away from any source of intense heat or moisture. Dispose of Lure's in a trash receptacle.
- Do NOT empty water from Breeding-Zone in wet areas around your yard.
- Avoid looking directly into UV light for an extended period of time.

REMINDER:

This mosquito control device is intended to trap mosquito eggs and helps to reduce the overall mosquito population. Maxtech Mosquito Control Inc does not guarantee a complete elimination of mosquito populations in your area. Mosquitoes have the ability to transmit west nile virus, dengue fever and other diseases. Maxtech Mosquito Control Inc cannot guarantee the complete elimination of these viruses from your living areas. The Mosquito Preventer is intended to aid in the reduction of mosquito populations.

Visit www.green-strike.com, follow us on Facebook & Twitter for frequent updates on mosquito born diseases that are potentially in your area.

NOTICE TO USER: This is a pest control product and is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the labels/manuals. The user assumes the risk to persons or property that may arise from such use of this product.

ABOUT YOUR **GREEN/STRIKE**® MOSQUITO PREVENTER

Just a reminder that the Mosquito Preventer works great at reducing “second generation” mosquitoes that otherwise would be multiplying in your backyard. For best results, put your Mosquito Preventer early in the mosquito season so that mosquito populations don’t have a chance to grow.

Please carefully read through this manual to understand how to use and maintain this device.

TABLE OF CONTENTS:

- #4 How does it work?
- #6 How do I set it up?
- #9 Where should I place it?
- #10 How do I know it’s working?
- #12 Maintenance
- #15 Troubleshooting/Diagnostics
- #17 Part Breakdown

INCLUDED WITH YOUR MOSQUITO PREVENTER:

GREEN/STRIKE Mosquito Preventer

2x Mosquito Lure’s

- Cu Mosquito Lure
- Ae Mosquito Lure

2x Landing Strips

1x Filter Trap

8x AA Rechargeable Batteries

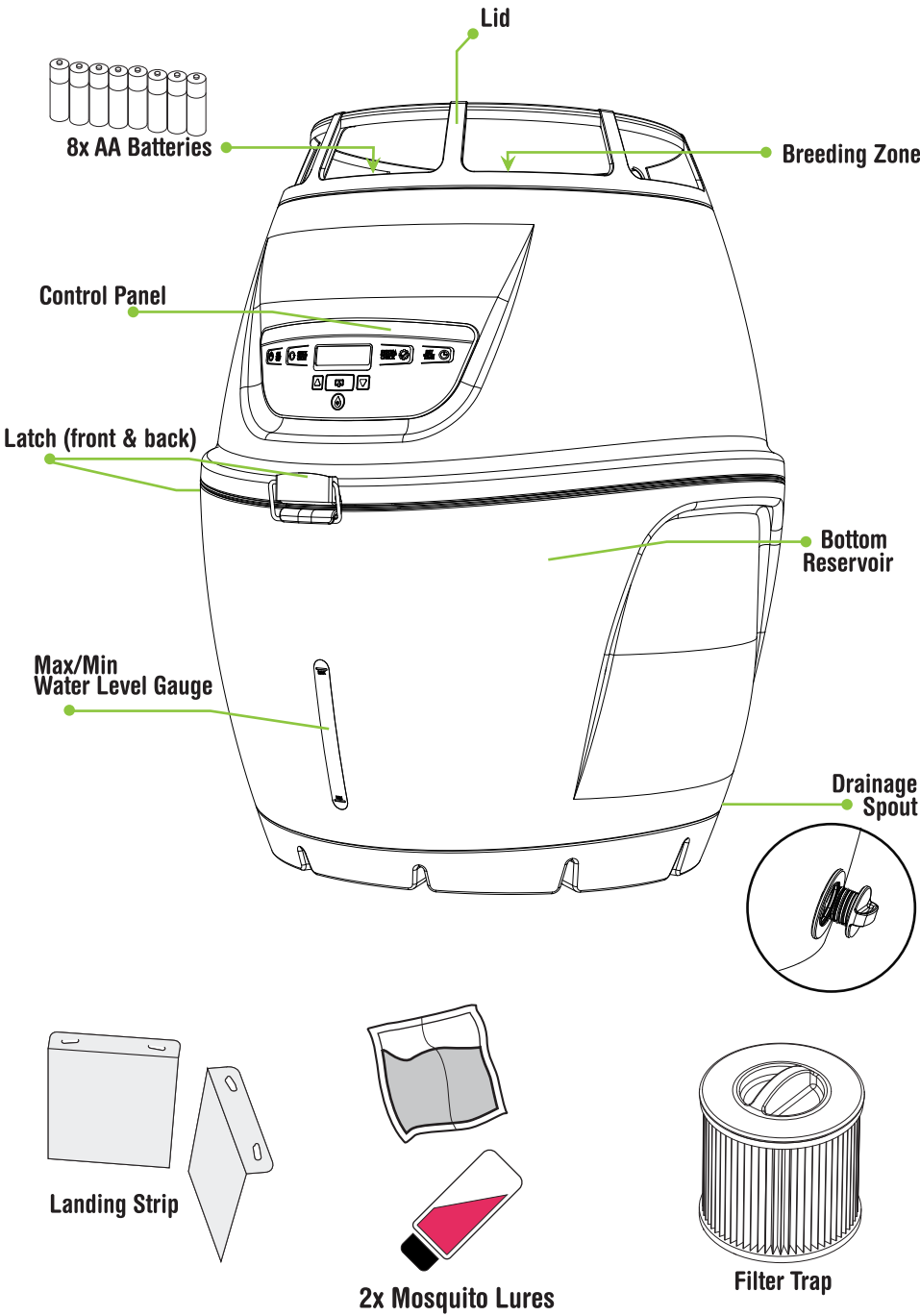
Manual

WARRANTY

GREEN/STRIKE warrants to the original purchaser that this product is free from defective materials and workmanship. This warranty is limited to remedy any defective part for a period of one year from the date of the original purchase. Retain your original receipt as proof of purchase. If this unit has been altered, no warranty is in force. In no case shall **GREEN/STRIKE** be liable for any accidental, punitive, consequential or any other damages of any kind for breach of this or any other warranty, expressed or implied.

KNOW YOUR **GREEN/STRIKE**® MOSQUITO PREVENTER

A more detailed parts breakdown is available on page 17



HOW THE MOSQUITO PREVENTER WORKS

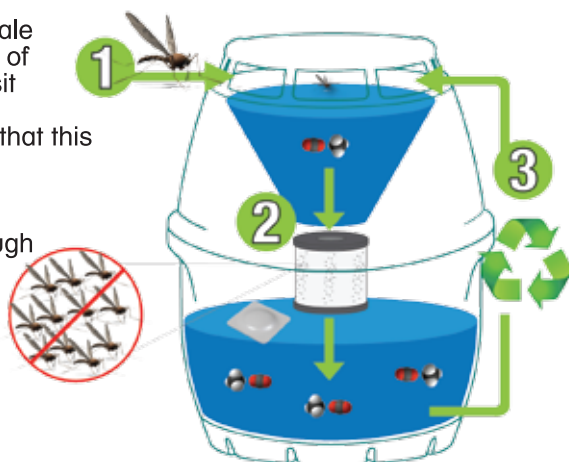
ZERO-HATCH TECHNOLOGY

The Mosquito Preventer features patented **Zero Hatch Technology** that mimics a pond or marsh - the ideal breeding spot for mosquitoes. This encourages female mosquitoes to lay their eggs inside of the Breeding-Zone. **Zero Hatch Technology** then captures and eliminates mosquito eggs to help reduce overall mosquito populations to prevent potentially lethal mosquitoes from constantly multiplying.

1) Attracted by Mosquito Lures, female mosquitoes will lay their eggs inside of the Breeding Zone. They also deposit their own pheromone attractant that communicates to other mosquitoes that this is a safe spot to lay eggs

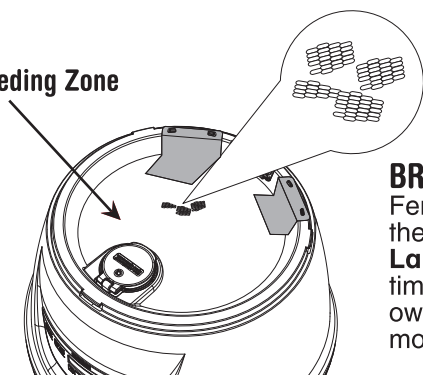
2) Every 3 Day Cycle* the eggs and pheromone attractant will pass through a filter, capturing and killing mosquito eggs.

3) The pheromone and Mosquito Lure create an incredibly strong Attractant and is recycled back into the Breeding Zone to lure more female mosquitoes!



*Cycle time can be adjusted based on warmer climates

Breeding Zone

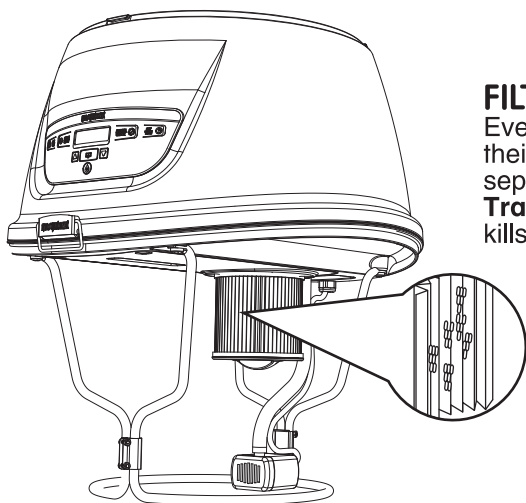
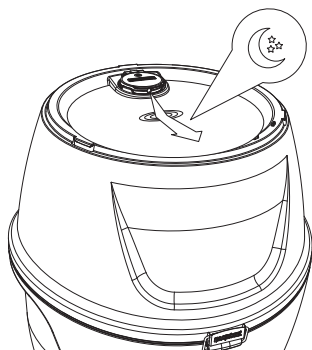


BREEDING ZONE:

Female mosquitoes will lay their eggs inside the **Breeding Zone**, either on top of the **Landing Strip** or directly in the water. Each time a mosquito lays an egg, they emit their own **pheromone** attractant that tells other mosquitoes "this is a great spot to lay eggs."

MOON LIGHT:

A UV light will turn on at dusk to mimic moon light reflecting off water. This attracts the female mosquitoes to the trap at a time of day when they are most active.



FILTER TRAP:

Every Cycle, the mosquito eggs and their natural pheromones are separated by passing through a **Filter Trap**. This Cycle captures, dries and kills the mosquito eggs.

ABOUT THE **GREEN/STRIKE**® MOSQUITO LURES

CU MOSQUITO LURE

Used primarily in the Spring Time, Cu Mosquito Lure helps to attract mosquitoes that have been dormant over winter.



AE MOSQUITO LURE

Used primarily in the Summer Time, Ae Mosquito Lure helps to attract mosquitoes that will appear in hotter temperatures.



Replace Lure's every 30 days

HOW DO I KNOW WHICH MOSQUITO LURE TO USE? Jump to page **11**

HOW TO SET UP YOUR MOSQUITO PREVENTER

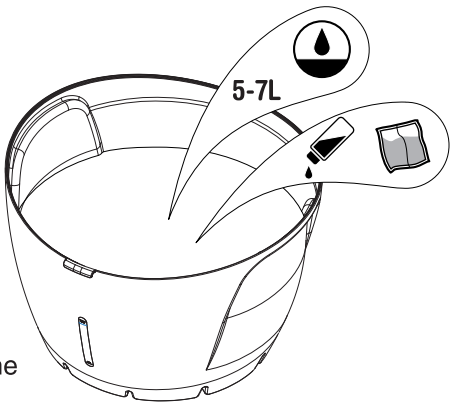
Your Mosquito Preventer will come mostly assembled, ready to capture mosquito eggs. Before “kick-starting” your unit, follow these crucial, yet simple steps:

1. Pour between 5-7 Litres of non-chlorinated water into the **Bottom Reservoir**.

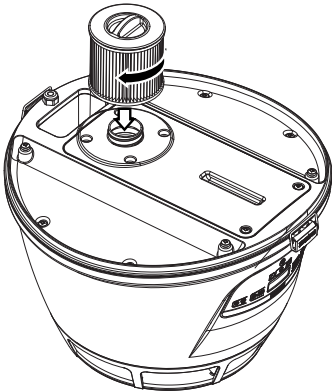
SMART! The best water to use is actually rain water! Use the water collected from your rain barrel. If rain water is not available you can use distilled water.

Use the fill-window to gauge minimum and maximum water levels.

2. Place appropriate Mosquito Lure in the **Bottom Reservoir**. Cu Lure's are “tea bags,” while Ae Lure is a liquid which needs to be poured into the Bottom Reservoir.



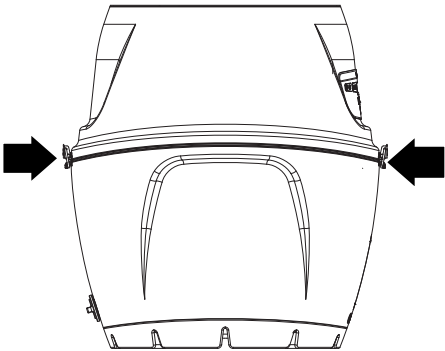
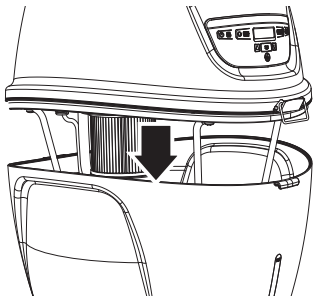
DO NOT SWALLOW OR INGEST LURES.



3. Ensure **Filter Trap** is secured in place onto the underside of the **Breeding Zone**.

Thread the Filter tightly so there is a good seal and so it will not fall into the Bottom Reservoir

4. Re-attach the **Breeding Zone** to the **Bottom Reservoir**
Make sure all latches are completely locked.

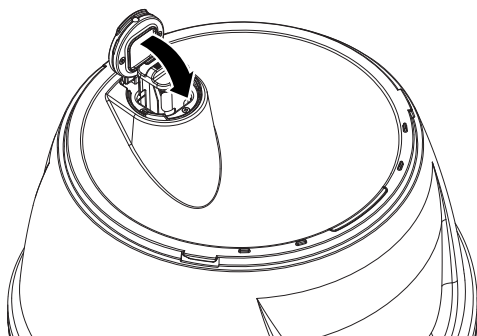
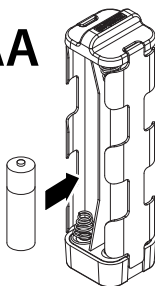


HOW TO SET UP YOUR MOSQUITO PREVENTER

5. Insert 8x AA fully charged batteries into the Mosquito Preventer

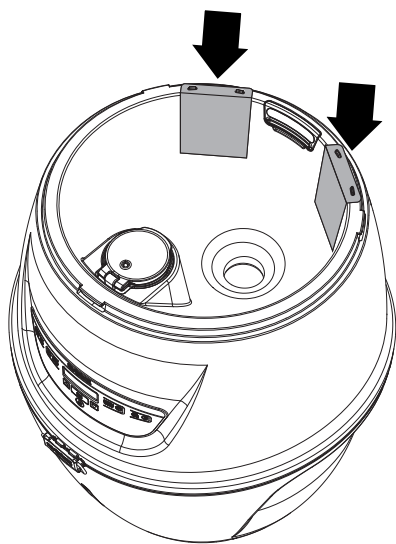
WARNING: Ensure the battery pack is fully closed and sealed off from any possible water that may enter.

8x AA



(Use either Alkaline or Rechargeable batteries)

Ensure the battery pack is inserted correctly by aligning the plastic tab of the battery pack with the profile of the unit.



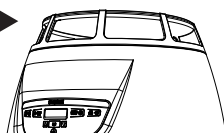
6. Secure **Landing Strips (x2)** to top of the **Breeding Zone**

First remove adhesive release paper on back of the Landing Strips and align the cut outs of the Strips to the posts on top of the Breeding-Zone. Press firmly to ensure the adhesive sticks.

The Landing Strip is submerged into the water and replicates the waters edge. Some mosquitoes will lay their eggs directly on the Landing Strips.

7. Secure the **lid** to the top of the **Breeding Zone**

Ensure the the lid is aligned to the "Lock" symbol.





CONTROL PANEL






- 1) Turns unit **On/Off**
- 2) Flushes Breeding Zone, captures mosquito eggs and recycles Attractant Solution
NOTE: By pressing this button you will start a new 3-day trapping cycle
- 3) Blinking LED indicates a problem with the system (See Diagnostics pg 15)
- 4) Message Dialog Box
- 5) Diagnoses potential errors in functional parts
- 6) Set/Change time
NOTE: You will be prompted to reset the time when batteries are replaced.
- 7) Drains water in Breeding Zone
- 8) Navigation Up
- 9) Enter
- 10) Navigation Down
- 11) Pumps water from bottom reservoir to **Breeding Zone**

8. Press the **ON/OFF** button on the **control panel** until the display turns on.
 You will be prompted to set the current time of day.

- a) First set the **HOURS** using arrows  
- b) Hit **ENTER** to select 
- c) Repeat for **MINUTES**

9. Select the **Cycle Time** (# of days)

This determines the frequency of days that the unit will kill mosquito eggs captured in the Breeding-Zone and recycle the Attractant Solution. The unit defaults to a 3 day cycle. However, if you live in an extremely humid climate, increase the Cycle Time to 2 or 1 day. Each Cycle occurs at 12:00am for 1 minute.

- a) “3” should immediately flash on screen
- b) Use the **UP/DOWN** buttons to select desired **Cycle Time**  
- c) Press the **ENTER** button to select **Cycle Time** 

10. Press the **Quick-Cycle** button to **START UNIT**

Water and the Mosquito Lure from the Bottom Reservoir will be pumped back into the Breeding Zone.



WHERE TO PLACE THE MOSQUITO PREVENTER

Because you are replicating the ideal breeding spot for female mosquitoes, it is important you survey your land for where mosquitoes are currently breeding.

If possible, eliminate all potential breeding spots for mosquitoes.

These include:

- Yard waste
- Lawn clippings
- Clogged gutters/eavestroughs
- Bird baths
- Any standing water



By eliminating all potential breeding areas in your yard, you will encourage the female mosquito to lay their eggs in the Mosquito Preventer, helping to lower the overall populations of mosquitoes.

Try to place your Mosquito Preventer in a spot that meets as much of the below criteria as possible:

1) ALL DAY SHADE

This ensures the temperature of the unit is ideal to the female mosquitoes liking. Also, mosquitoes like to stay in shaded areas during dormant periods.

2) PROTECTION FROM THE WIND

Believe it or not mosquitoes are not great flyers. They prefer to have little to no wind and will choose their “breeding spots” in an area that best protects themselves and their eggs.

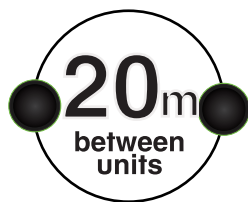
3) LOTS OF VEGETATION

The more “green” in or near the water the better. The nutrients, minerals and proteins found in ponds help mosquito eggs flourish.



If you have two (2) Mosquito Preventers:

The more Mosquito Preventers in your yard, the better the unit will work. Educate your neighbours on the steps you’ve been taking to prevent mosquitoes in your yard

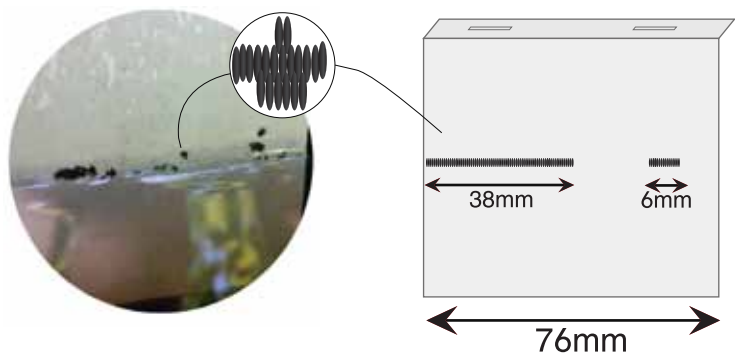


Place your Mosquito Preventers no more than approximately 20m apart

HOW DO I KNOW IF MY MOSQUITO PREVENTER IS WORKING?

LANDING STRIPS

Eggs will often appear in clusters (rafts) ranging in size. Female mosquitoes will lay their eggs either directly in the water or on the **Landing Strips**.



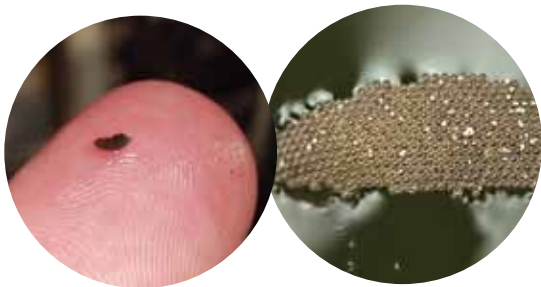
As a guideline, if there are mosquito eggs across half the length of a **Landing Strip** (38mm wide), there will be approximately 600 mosquito eggs deposited.

In an area as wide as a penny there can be as many as 300 mosquito eggs deposited.

RAFTS/EGGS IN WATER

If you don't see eggs on the Landing Strip, don't panic.

Culex Mosquito breed prefer to lay their eggs *within* the water, rather than on the Landing Strip.



**Small raft =
100 mosquito eggs**

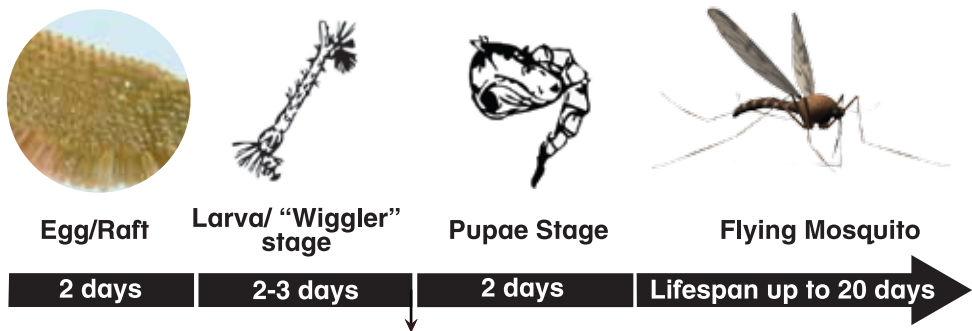
FILTER TRAP



The Filter Trap will show signs of “gunk” or buildup. This is a combination of captured mosquito eggs and proteins that have built up in the Breeding-Zone. You may even see some movement of captured Pupae Stage mosquitoes. This is normal.

However, too much buildup is bad. Replacing your Filter Trap on a monthly basis is crucial to the performance of your unit.

LIFECYCLE OF A MOSQUITO

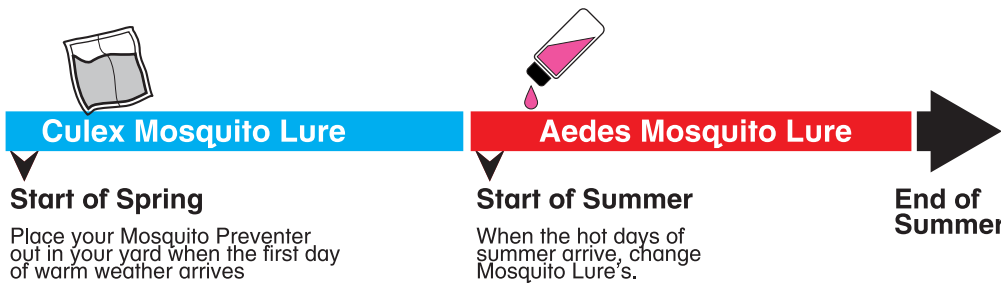


Mosquito Preventer captures, dries and kills “wigglers” before hatching

Mosquito eggs in the **Egg/Raft** stage are very difficult to spot. Once mosquitoes develop into the **Larva or “Wiggler” stage**, they become easier to identify.

WHICH LURE SHOULD I USE?

Follow this guide below to determine which Lure to use.



REMINDER: When switching from Ae to Cu Lure, ensure you remove all water and start with fresh non-chloronated water along with new Lure.

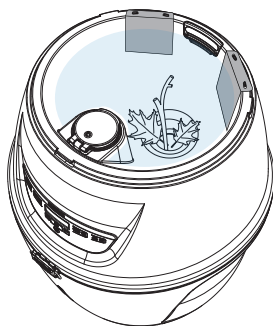
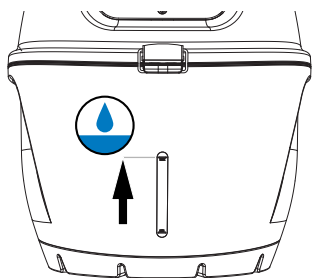
HOW TO MAINTAIN YOUR MOSQUITO PREVENTER

It is crucial that you keep up with the maintenance of your Mosquito Preventer in order to keep mosquitoes coming back to the unit. Follow these steps on a weekly and monthly schedule to keep your unit running at peak performance. Grab some protective gloves and get started!

WEEKLY MAINTENANCE (EVERY 7 DAYS)

Every 7 days, a visual inspection is required that won't take you too much time. Follow these steps:

1. Ensure **Breeding Zone** and **Bottom Reservoir** have enough water and are free from debris.



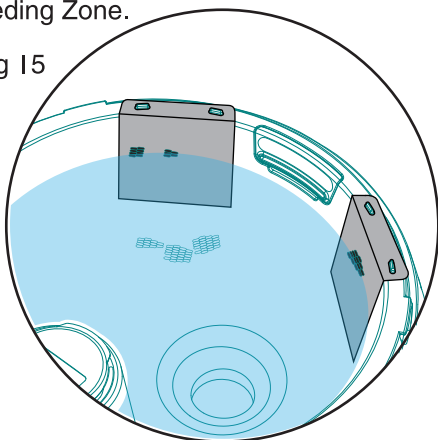
If an **ERROR** occurs a flashing red LED will be present on the **Control Panel**.

If the **Breeding Zone** water level has dropped, simply press  button on the **Control Panel** to raise water level in **Breeding Zone**.

2. Perform **System Check** to ensure batteries and valves/drains are working properly and are free from any blockages. Leaves, branches and other foliage can often block the drainage valve in the Breeding Zone.


Refer to diagnostics if errors are displayed. pg 15

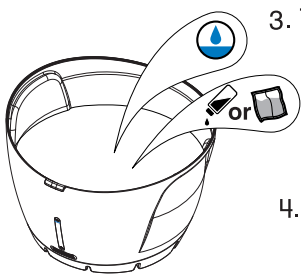
3. Ensure that the **Landing Strips** are still secured to the top of the **Breeding Zone**.



MONTHLY MAINTENANCE (EVERY 30 DAYS)

Every 30 days, you will need to replace certain elements of the Mosquito Preventer. The retailer, or place you purchased your unit from, should also carry replacement items. Follow these crucial steps **every 30 days**.

- 1. Drain water from **Breeding Zone** by pressing the  button.
- 2. Turn **OFF** the Mosquito Preventer.











- 3. Top up **Bottom Reservoir** with **non-chlorinated water**

SMART! The best water to use is actually rain water. Use the water collected from your rain barrell. If rain water is not available you can use distilled water.

- 4. Place a new Mosquito Lure in the **Bottom Reservoir**

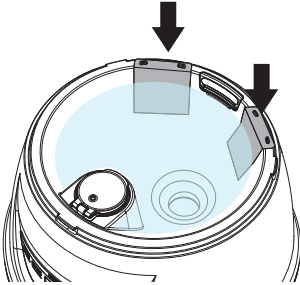
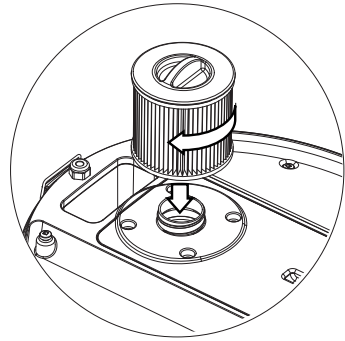
NOTE: you may need to change the type of Mosquito Lure you are using based on the mosquito populations in your area and time of year. If you require the Mosquito Lure's to be changed, follow this chart below:

Old Lure		New Lure	Action
 Ae	→	 Ae	= Replace with a new lure of the same breed and keep previous months water in Bottom Reservoir
 Cu	OR →	 Cu	
 Cu	→	 Ae	= Replace all water in Bottom Reservoir and add fresh, non-chloronated water along with new Lure
 Ae	OR →	 Cu	

MONTHLY MAINTENANCE

5. Replace Filter Trap

Remove previous months Filter and place in a resealable bag. Continue to step 6.



6. Replace both Landing Strips

Place used Landing Strips in above mentioned resealable bag, along with the Filter Trap. Place resealable bag in trash. Avoid placing in wet or moist trash.

7. Turn ON unit and Set Time and Cycle Frequency (# of Days)

press **System Check** to ensure all internal mechanisms and battery levels are in proper order.

Replace batteries if needed



If no flashling red LED occurs the unit is in working order

For Control Panel Diagnostics see page 15



8. Press the QUICK CYCLE button to add Attractant Solution to the Breeding Zone




This will start a brand new Cycle

TROUBLESHOOTING

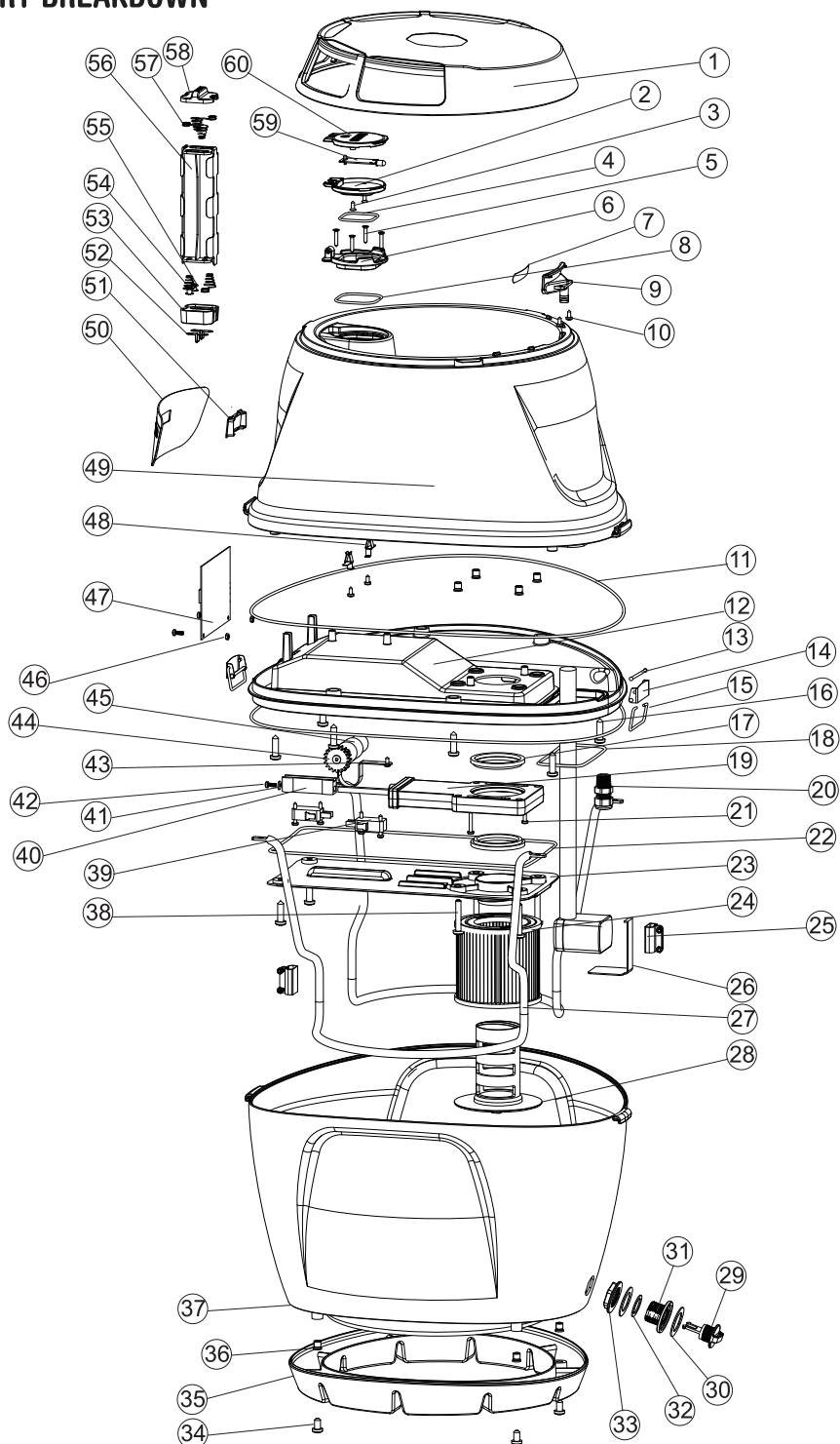
PROBLEM	POSSIBLE CAUSE	SOLUTION
My unit will not START/Turn On	Batteries are dead or low	Replace/re-charge batteries
	Defect in power system	Contact GREEN/STRIKE
Water will not Pump In/Out of Trapping Reservoir	There may be something blocking the valves from recycling/filtering the water in the trapping reservoir	Inspect valves and lines in pump mechanism and clear out possible debris or “gunk” that may build up
I still see lots of mosquitoes around my living area	The unit has not fully adjusted to your environment	It may take up to 1 month to see noticeable results as the unit works to kill off future mosquito generations.
	Filter trap is not catching all the mosquito eggs	Replace the filter more often and do not allow “gunk” or “slime” to build up
	Your unit may not be in the right location in your yard	Move your unit in an area with lots of shade, wind protection and lots of vegetation
There is a smell coming from the unit	The lures have fermented	This is normal. It might smell bad, but it works!

CONTROL PANEL DIAGNOSTICS

If you’ve gone through the below diagnostic process and errors still occur, contact us at www.green-strike.com for additional help.

ERROR	INDICATES	FIX
	LOW Battery	Before removing battery pack, press QUICK CYCLE button. Then remove batteries and recharge or replace with new batteries
	DRAIN STUCK - OPEN	Something is blocking the drain valve from closing (leaves, grass, debris). Clear the blockage completely and press QUICK CYCLE button. Red LED will turn off. If LED is still on, check battery level
	DRAIN STUCK - CLOSED	Something is preventing the drain valve from closing. Check the battery level. If red LED is still flashing and the drain valve is still closed contact GreenStrike.

PART BREAKDOWN



Below is a detailed breakdown of all parts, which are included with your Mosquito Preventer. Refer to this page for any contact with our customer service agents.

Part Number	Part Description	Item Number	Quantity
ZHT_11034_01	Lid	1	1
ZHT_11034_50	Battery Compartment Lid _ Bottom	2	1
M3_8L_PH_ST_CS	M3 Countersunk Self Tapping Screw - 8mm	3	4
ZHT_11034_51	Battery Compartment Lid O-ring	4	1
M3_15L_PH_ST_CS	M3 Countersunk Self Tapping Screw - 15mm	5	4
ZHT_11034_10	Battery Compartment Lid Mounting Plate	6	1
22650	Reflective Strip	7	1
ZHT_11034_52	Battery Compartment Lid Mounting Plate O-ring	8	1
ZHT_11034_05	Water Spout	9	1
M3_8L_PH_ST	M3 Panhead Self Tapping Screw - 8mm	10	6
ZHT_11034_37	O-ring Seal 1	11	2
ZHT_11034_12	Electronics Platform	12	1
ZHT_11034_36	Latch Rivet	13	1
ZHT_11034_34	Latch	14	1
ZHT_11034_35	Latch Arm	15	1
M5_20L_PH_ST	M5 Panhead Self Tapping Screw -20mm	16	10
ZHT_11034_40	Valve Gasket	17	2
ZHT_11034_39	O-ring Seal 2	18	1
Valve Assembly	Gate Valve Assembly	19	1
M4516	Straight-through Grommet	20	1
M3_20L_PH_ST	M3 Panhead Self Tapping Screw - 20mm	21	6
ZHT_11034_38	O-ring Seal 3	22	1
ZHT_11034_13	Electronics Platform Cover	23	1
PSF-1	Filter	24	1
ZHT_11034_33	Support Leg Clip	25	2
ZHT_11034_32	Pump Mounting Plate	26	1
ZHT_11034_31	Support Leg	27	2
ZHT_11034_14	Filter Frame	28	1
ZHT_11034_15	Spigot Plug	29	1
ZHT_11034_42	Spigot Plug Gasket	30	2
ZHT_11034_16	Spigot Female Coupler	31	1
ZHT_11034_43	Spigot Female Coupler Gasket	32	1
ZHT_11034_17	Spigot Female Coupler Nut	33	1
M5_10L_PH_MS	M5 Panhead Machine Screw - 10mm	34	4
ZHT_11034_04	Base	35	1
PFLB-M5-1	In Molded Threaded Insert	36	8
ZHT_11034_03	Reservoir	37	1
M5_30L_PH_MS	M5 Panhead Machine Screw - 30mm	38	4
V7-1H15D8-000-2	Snap Action Switch	39	2
ZHT_11034_22	Valve Rack	40	1
M3_Washer	M3 Washer	41	1
M3_8L_PH_MS	M3 Panhead Machine Screw - 8mm	42	7
ZHT_11034_30	Motor Mounting Clip	43	1
ZHT_11034_21	Valve Pinion	44	1
ZGA20RU	Motor	45	1
M3_Nut	M3 Nut	46	6
ZHT_11034_47	Main PCB	47	1
ZHT_11034_24	Main Battery Contact 2	48	2
ZHT_11034_02	Ovitrap	49	1
ZHT_11034_45	Control Panel	50	1
ZHT_11034_06	LCD Protective Window	51	1
ZHT_11034_23	Main Battery Contact 1	52	2
ZHT_11034_08	Battery Frame Bottom	53	1
ZHT_11034_26	Battery Contact - Neg	54	1
ZHT_11034_25	Battery Contact - Pos	55	1
ZHT_11034_11	Battery Frame Chassis	56	1
ZHT_11034_27	Battery Contact - Pos to Neg	57	3
ZHT_11034_09	Battery Frame Cap	58	1
ZHT_11034_48	LED PCB	59	1
ZHT_11034_49	Back Compartment Lid-Top	60	1



NOTES

[illegible]

GREEN / STRIKE®

Made in China
Mosquito Lure's made in Canada

GREEN / STRIKE® is a trademark of Maxtech Mosquito Control Inc.
173 Roger Street. Waterloo ON N2J 1B1
1-800-265-847