Dynatrap® Frequently Asked Questions

What makes the Dynatrap the best choice for controlling mosquitoes?

The Dynatrap is the leading long-term solution scientifically proven to safely and effectively reduce mosquitoes and other flying insects. Photocatalyst technology and special light will help you drastically reduce the mosquito population and other annoying flying insects in your yard.

Is the Dynatrap noisy?

NO, the unit is whisper-quiet and the only sound is from the built-in fan, which is equivalent to a computer fan.

What attracts mosquitoes?

When humans or animals breath out, they produce CO₂ (carbon dioxide), and their bodies are constantly giving-off heat and moisture. Mosquitoes and other biting insects have the ability to detect CO₂, heat and moisture from long distances and are immediately attracted to the source. Mosquitoes are also attracted to trace amounts of alcohol vapor, as well as dark colors, especially black. Mosquitoes fly around and search using their sensors for a warm body to start biting.

Even in the dark, mosquitoes can easily find where people or animals are, by sensing their carbon dioxide and temperature emanations. Scientists consider carbon dioxide as the single most important cue used by mosquitoes for locating a source of blood (female mosquitoes can detect a host to feed on at a distance of up to 100 yards, they use the protein contained in blood to produce and lay their eggs). They also react extremely sensitively to certain wavelength of ultraviolet rays. Using these properties, the Dynatrap can attract and capture mosquitoes both in bright and dark outdoors and indoors, by a tripartite system: heat, and a special ultraviolet wavelength, and carbon dioxide produced when photo catalyst light is radiated onto the TiO₂ coated funnel.

The Dynatrap patented process produces CO₂ without the use of propane. It attracts flying insects using the powerful (yet quiet) fan to draw them into the retaining cage — trapping them until they dehydrate and die. The retaining cage can be removed so you can periodically empty the contents into the trash. The screened material on the retaining cage allows for you to see what has been trapped in the unit and alerting you when the cage needs to be emptied.

What is the Velcro™ strap for?

The enclosed black Velcro™ strap is provided as an optional aid when cleaning the Dynatrap. Simply turn off the Dynatrap and place the black strap around the upper openings of the trap and secure with the Velcro™ ends. Leave the black strap on for about 24 hours and this will ensure that the remaining live insects will dehydrate and perish. (Make sure the trap switch is off during this time.)

How soon should my Dynatrap begin to control mosquitoes and other flying insects?

The trap will begin to catch immediately if there is mosquito activity in the area. Female mosquitoes looking for blood will be drawn to the trap and destroyed. The trap will gradually reduce your mosquito population as it attracts and destroys them. It may take 6-8 weeks of use to reduce the mosquito population to the point that you have successfully interrupted the breeding cycle.
How is this insect eliminator different than other products on the market?

The Dynatrap produces small amounts of CO2 without the use of propane.
The Dynatrap uses NO harmful chemicals for operation.
It has a whisper quiet operation. That is why our tag line is "STOP ZAPPING AND START TRAPPING".
No filling of propane tanks.
No replacement of chemical cartridges.
No zapping noise.
No burning odors.

Will it harm humans or pets?

NO, there are no harmful chemicals used in the process of eliminating insects. Using the Dynatrap is completely safe for humans, pets and the environment. The Dynatrap Insect Eliminator does not involve fogging, pesticides, bug zappers, repellents, and/or citronella. Fogging, repellents, and coils, often involve the use of chemicals that have the potential to be dangerous for both humans and the environment. The Dynatrap uses none of these chemicals methods in the control of mosquito populations. Dynatrap unlike many other products, it is 100% environmentally friendly.

Can I use the unit outside?

YES, you may use the unit outside or inside. For best results place the Dynatrap in a dark location away from any competing light source.

How do I install the Dynatrap?

Unpack your unit and save your carton for off-season storage. Do not mount unit near heat, gas, oil, or other flammable materials.

Where should I place the Dynatrap?

The Dynatrap will provide 1/2 acre of protection within the yard. You may place near the house, or place on a sturdy tree branch. In addition, you may place the Dynatrap indoors, or in the garage to trap insects from flying into the house.

How high off the ground should the Dynatrap be installed?

The Dynatrap can be placed, fixed, or hung, on any external object, wall, verandah post, tree or ceiling in the area to be protected. Hang or mount unit at least 5-6 feet above floor/ground level. The unit should not be hung by the electrical cord as it may break and cause electrical hazard. It should be hung by the chain link included with the unit.

How many traps should I buy for around my house?

This depends on the size of your property. Generally we recommend two or three traps depending on the number and location of mosquito breeding areas on your property.

I have many bugs coming in my house from the garage. Can I use one there?

YES, since the trap is designed to be used indoors and outdoors, many people have been very successful by placing a unit in their garage (it can be hung and connected next to the garage door opener), thus catching every insect coming in and stopping them from entering the house.
Does it attract other insects?

The Dynatrap has been specifically designed to attract and control mosquitoes, sand flies (midges), wasps, house flies, and it may attract other insects not beneficial to your garden.

How long will the insects stay alive in the retaining cage?

Once insects are trapped into the retaining cage they may have a life expectancy of 12-24 hours (depending on the insect), as they will perish from dehydration.

It has recently rained, will the mosquitoes return?

This is possible if you are contributing to their breeding environment. The perfect breeding grounds around your home for mosquitoes are any areas where there is stagnant water, for example:

- Clogged Gutters
- Drain Outlets from Air Conditioners
- Dripping Out Faucets
- Old Tires
- Children's Wading Pools
- Small Decorative Ponds and Fountains
- Over Irrigated and Poorly Drained Lawns
- Saucers under Potted Plants
- Tree Stumps and Tree Holes
- Water Cans and Buckets
- Wheelbarrows
- Plants, like Bromeliads are another perfect environment for breeding mosquitoes.

What is the guarantee on the Dynatrap?

Dynamic Solutions Worldwide, LLC warranties to the original purchaser. This warranty is limited to remedy any defective part for a period of 1 year from date of original purchase. Retain your original receipt as proof of purchase.

How long will the light bulbs last?

The bulbs will last an estimated 3,000 hours, or about 4 months. Recommended replacement of bulbs for best results and continued insect elimination would be to change out bulbs every 4 months.

What type of bulbs do I need to use as replacements?

Recommended bulb replacement is a 4-Watt UV (ultra violet) Fluorescent bulb.

How do I replace the bulbs?

Unplug the unit and remove the retaining cage. Turn unit upside down and place your thumbs across (away from your body) on the white funnel, place your other fingers over the unit like you are gripping a roller coaster bar. The funnel will release and you will have access to the light bulbs. Rotate old bulbs 90° and lift to remove. Insert new bulbs and rotate 90° to seat. Reassemble unit aligning the groove to the funnel with electrical wires. Attach fan, and replace the collection chamber/retaining cage with a simple twist.
Should I leave the Dynatrap plugged in all of the time?

Yes, the Dynatrap should be left on 24 hours a day 7 days week (except when cleaning).

How long is the cord?

The cord is 10 feet long. If an extension cord is needed the extension cord must be marked with letters "W-A" and with a tag stating "Suitable for Use with Outdoor Appliances".

How often do I need to empty the retaining cage?

It will depend on your region and time of the year how often you need to empty the unit. The screened material around the retaining cage will allow you to see if you have the need to empty and clean the collection chamber. Frequent cleaning will prolong the life of the unit, and provide for efficient and effective trapping operations. Data and research collected from our factory testing recommends a once a week cleaning.

How do I clean/empty the Dynatrap?

Switch unit off and unplug before cleaning. Remove the retaining cage with a twisting motion - turning clockwise. Empty insects into trash container and brush off retaining cage (brush included) and fan. Replace retaining cage with a simple twist.

How long has Dynatrap been on the market?

Dynamic Solutions Worldwide, LLC introduced the Dynatrap May 2006. The Dynatrap patented process has been awarded a Bronze Award at the IENA International Conference in Nurnberg, Germany for invention and preventing disease. The Dynatrap has International and Domestic patents. In addition, our EPA establishment registration is 083352-WI-001.

Additional Facts:

2 amps = 24 watts @ 115 VAC .024 kilowatts

Energy cost will vary throughout the country, but an approximate electrical usage cost per month running the unit 24/7 is $1.90 per month.

Coverage is 1/2 acre, 21,780 sq. ft., 166 ft. diameter circle, 83 feet in radius coverage.