

Mosquito Magnet Frequently Asked Question

1. What is Mosquito Magnet?

Mosquito Magnet is a long term outdoor mosquito control solution that is capable of covering up to 1 acre or 44,000 square feet (or half acre radius) of area. Mosquito Magnet is backed by over 20 years of research and 15 patents that make the traps technologically advanced.

2. How it works?

Mosquito Magnet works by mimicking the way humans attract mosquitoes. Through its exclusive patented CounterFlow™ technology the trap converts propane (from LPG Tank) into CO₂, mixes it with the precise level of heat, moisture to lure mosquitoes to the trap and then vacuums mosquitoes into the net where they dehydrate and die within 24 hours.

3. What is Counter-Flow technology?

Counterflow technology, is an exclusively patented technology designed to emit a precise amount of carbon dioxide, heat, and humidity, while simultaneously vacuuming insects into a net, taking advantage of the mosquito's instinct to turn upwards as it approaches the trap

4. Is CO₂ harmful to the environment?

The amount emitted from Mosquito Magnet is very close to the amount human put out to the environment, and therefore, it is not harmful to the environment. If it is harmful, then every human being is harmful to the environment. In fact CO₂ is required by greens for photosynthesis process to create more green.

5. Where can I get LPG Tank? And what is the size is appropriate to be used?

LPG (Liquefied Petroleum Gas) is essentially a normal cooking gas that we have at home. There are approximately 30% Propane and 70% Butane in one normal cooking gas tank. Mosquito Magnet only utilizes the 30% Propane for CO₂ conversion. This type of LPG tank is conveniently available in normal grocery shop. The cost is about RM80 for the first tank, and subsequent purchase of tank will be somewhere RM30 as of April 2015. Usually a 14 kgs LPG tank is appropriate for normal usage.

6. How long can a 14kg LPG last for normal usage?

"Normal usage" here is referring to day and night operation without interruption, with this mode of operation; a 14kg LPG tank is able to last for 15-21 days. But usually we will tell customer the lowest exponential which is approximately 2 weeks.

7. Should I switch on Mosquito Magnet day and night?

We would advice customer to switch on Mosquito Magnet whole day long without interruption. This is because the concept behind for Mosquito Magnet is to control mosquito's population in the long run. It must be able to capture many mosquitos for the sake of interrupting their breeding cycles. Mosquito Magnet only captures female mosquitoes (Only female mosquitoes attack human), and their life span is approximately 4 weeks. They are capable to have 3000 offspring within this period of time, there are, Mosquito Magnet is playing a role to interrupt their breeding cycles by capture a large amount of mosquitoes to achieve this.



8. Where shall I locate Mosquito Magnet?

Outdoor, Mosquito Magnet is only for outdoor use. There are some recommended locations are suitable for Mosquito Magnet placement including among bushes, under the trees, grass. The reason of having such location is that, concrete or tar surface absorb heat and release during the night time, CO₂ tend to be burnt off when it is intact with hot surface. This will stain its capability to let CO₂ to be spread around the area.

9. Is Mosquito Magnet highly mobile?

Yes, Mosquito Magnet is not attaching to any power source, it is battery operated, and hence it is highly mobile. Customer is allowed to switch its placement all around target location to find the best placement over the time.

10. How effective is it?

The effectiveness of Mosquito Magnet very much depends on its placement. A strategic placement usually is a location where the dominant wind direction comes from, this is because the wind will carry along the CO₂ to the downwind direction to reach mosquitoes. In return, mosquitos travel upwind to find the source of CO₂, which is Mosquito Magnet.

11. Who are existing users?

There are few key customers of Mosquito Magnet included of Equatorial Hotel Penang, Western Digital Johor, Sunway Lagoon Club Kuala Lumpur, Saujana Golf Club Kuala Lumpur, Penang State Government, Perbadanan Putrajaya, Scania Malaysia Klang.

12. Who should use Mosquito Magnet?

Mosquito Magnet is recommended for customers who have big compound, garden, and find a lot of mosquito's problem. Hotels, golf clubs, clubs, condominium, residential estates, construction sites are encouraged to do their part to participate in this Mosquito Magnet program in order to protect their people and also part of social responsibility.

13. Can we have a trial? And how long is appropriate?

Yes, customers are always asking for a trial before purchase. This can be arranged with your closest distributors or representatives from our company.

14. What is the maintenance work required? And by who?

Mosquito Magnet does not require tedious and complicated maintenance. It is just changing LPG Tank for approximately every two weeks, changing 4 pieces of "C" batteries approximately every two months, and cleaning the net of capture only. So basically customer just need to switch off Mosquito Magnet and do those stated above and switch on Mosquito Magnet again, and it start to work again. Therefore, almost everyone is able to do the maintenance for Mosquito Magnet.

15. How long is the warranty?

Mosquito Magnet comes with 1 year manufacturing warranty, this is including manufacturing malfunction. The company or the company's appointed distributor is responsible for a site visit for diagnosis.



16. Is the tank safe to be used outdoor?

Yes, the internal temperature of a LPG Tank is -42 degree Celsius, and it work best under outdoor condition. In fact, there are a lot of people just do not understand that LPG tank is meant for outdoor use instead of indoor use.

17. Is there a similar product in the market?

No, at least this is not applicable in Malaysia yet, even if there is; they are not able to compete with Mosquito Magnet from pricing and technological robustness perspective. Mosquito Magnet has more than 20 years of research and development, and own more than 15 patented technologies. Customers only tend to compare Mosquito Magnet to fogging technology. Please refer to the comparison below for both technologies:-

Fogging:

1. *Not weather proof, chemical gone after rain.*
2. *Long cycle before the second time of fogging.*
3. *No tangible result to be seen.*
4. *Not healthy to human.*
5. *Short term solution.*

Mosquito Magnet:

1. *Operation under all kinds of weather.*
2. *Durability of operation, it is recommended for uninterrupted operation.*
3. *Tangible result is to be seen. Customers can even count the quantity of mosquito that they trap.*
4. *No harmful chemical is emitted from Mosquito Magnet.*
5. *Long term solution, aiming to reduce mosquito's population by interrupting breeding cycle.*

18. What kind of mosquito (Species) are attracted to Mosquito Magnet?

Only female mosquitoes are attracted to Mosquito Magnet because they are attracted to CO2 exhaled from human. In terms of species, Mosquito Magnet is proven to be able to trap Ae. Aegypti, Culex and more. That's the reason why Mosquito Magnet is adopted by government to control disease, and has been published in many news releases.

19. Do they trap other biting insect?

Yes, they do as long as those biting insect are attracted to CO2. But generally, it mainly traps mosquitoes.

20. What is the different between Mosquito Magnet in Malaysia and Mosquito Magnet in USA?

In the USA, Mosquito Magnet is utilizing propane tank but it is not commercially available in Malaysia, and therefore, Mosquito Magnet has been technically improved to suit its usage of LPG tank in Malaysia. The combustion system of Mosquito Magnet was also further researched and improved to utilize 30% of propene from LPG tanks to achieve its peak performance.

21. How many model of Mosquito Magnet is available in Malaysia?

There are total about 5 models of Mosquito Magnet product range. But there is only Mosquito Magnet Independence model is available in Malaysia as it is the only model that the company find the most cost efficient and high performer among its product family.



Mosquito Magnet Patriot – Required a power source for operation, it is not practical to be used at outdoor area where there are very few power sources available.

Mosquito Magnet Independence – The most cost efficient model and high performer.

Mosquito Magnet Executive – Temperature sensor, only suitable for four seasoned countries.

Mosquito Magnet Commander – WiFi enable, can be controlled remotely, this feature is not highly compatible with Malaysian's consumer model.

22. Can Mosquito Magnet be chained to prevent theft?

Yes, Mosquito Magnet can be chained on the handle of front panel of Mosquito Magnet to prevent theft. Customers can also consider placing a cage to protect the whole device of Mosquito Magnet.

23. Where is Mosquito Magnet manufactured?

Mosquito Magnet is manufactured and assembled in the US, Tennessee, and directly imported into Malaysia.

24. What kind of Certification that Mosquito Magnet has in Malaysia?

Mosquito Magnet is both CE and SIRIM certified.

