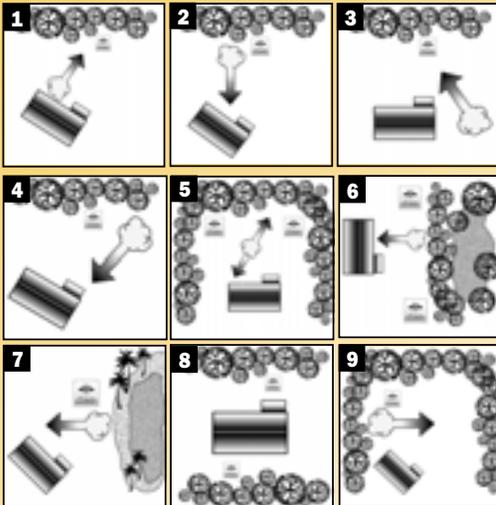


TRAP PLACEMENT



Proper placement of the Mosquito Magnet is critical for successful results.
Four important variables include:

1. Direction of the prevailing wind
2. Location of structures such as houses, garages, and solid fences. One trap will protect one open area (see, Fig. 8).
3. Suspected breeding sites, such as standing water and plants which hold water
4. Suspected resting spots, such as tall grass, trees, flowers, and other vegetation

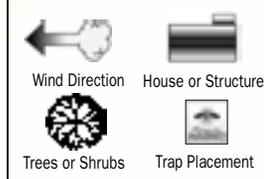
In the search for a potential host, the mosquito has the energy to travel up-wind. Once the blood meal is obtained, the insect acquires 1 1/2 times its body weight in blood. The additional weight makes flying more difficult, and the insect has less energy to find a suitable egg-laying habitat. Thus, the insect "rides" down-wind to return to the egg-laying habitat.

Placement based on navigation

Locate the Mosquito Magnet so that the prevailing wind blows the plume across an area where the insects are emerging (traveling upwind). The insects encounter this plume before they detect CO₂ emitted by people in the area.

Do not place the trap in vegetation or high grass. The CO₂ plume must be allowed to drift across low cut grass or vegetation.

LEGEND



Please contact American Biophysics Corporation if you experience any problems with your Mosquito Magnet
877-545-5737

Call toll-free 1-877-699-TRAP

American Biophysics Corporation
 2240 South County Trail
 East Greenwich, RI 02818-1536
 Fax: 401-884-6688
www.mosquitomagnet.com



MOSQUITO MAGNET™

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Assembly
Starting Instructions
Trap Placement
Useful Suggestions

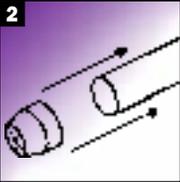
ADVISEMENT

Do not hook up to permanent installation without contacting manufacturer for instructions. Changing hoses, connectors or regulators may cause the trap to fail and void the warranty.

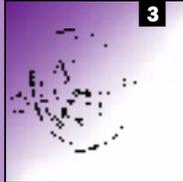


U.S. Patent No. 6,145,243
 Other patents pending

BASE ASSEMBLY



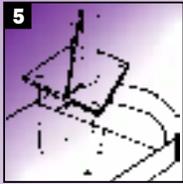
Wheel and axle assembly. Attach palmnut to one end of axle. Slide nut over axle. Invert axle so that palmnut is on a solid, flat surface. Tap gently into place.



Slide axle through one wheel with palmnut to outside. Outside of wheel is identified by rib design. Once axle is through hub on wheel, slide wheel onto axle.



Slide washer over axle, place axle through back holes of base. Place second washer on axle then slide wheel onto axle and add palmnut. Turn completed assembly on side so that last wheel is upright. Tap slightly to secure palmnut.



Base Pipe Assembly. Align holes of base pipe to holes on base. Holes are aligned differently to assure placement of front and back. Using 5/16" bolts provided, place through four alignment holes with heads towards top. From bottom, add four 5/16" washers first, then secure nuts tightly.

One Mosquito Magnet consists of the following:

- (1) Metal Base Assembly
- (1) Plastic Main Housing
- (1) Power Pack

Complete assembly instructions are located in the Power Pack box. Should any components be missing, please contact us via phone, fax or E-mail.

Base assembly contains the following:

Qty	Description	Part No.
1	Base Frame & support assembly	0805
1	Base pipe assembly	P0003
4	5/16" Washer	P0008
4	5/16"-18 Nyloc Nuts	P0007
1	Axle	0932
2	Wheels	P0030
2	3/8" Washer	P0005
2	3/8" ID Palmnut	P0031
1	Base foot	1010
2	1/4" Washer	P0034
2	1/4"-20 Nyloc Nuts	P0033
6	1/4"-20 x 3/4" LG Button Screw	P0032

Housing assembly contains the following:

Qty	Description	Part No.
1	3/8"x2.75" Lg Skt Cap Screw	P0003
1	3/8" - 16 Nyloc Nut	P0004
1	3/8" Washer	P0005
1	Plastic Main Housing	
4	Allen Wrenches	
2	10-32 x 5/8" Lg Skt Cap Screw For Power Pack Assembly	P0001
2	#10 Washers	P0002

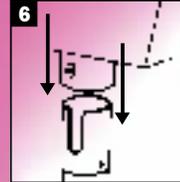
Power Pack assembly contains the following:

Qty	Description
1	Power Pack
2	Replacement Nets
2	Octenol Cartridge
1	Information Package

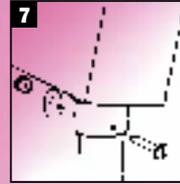
Tools needed for assembly:

- Standard ratchet set or adjustable wrench
- Hammer
- Allen wrenches (included)

TRAP BOX ASSEMBLY



Slide Trap Box onto Base Pipe Assembly. Align holes in Trap Box with holes in Base Pipe.



Slide 3/8" screw through hole and attach 3/8" washer and nut, tighten securely.

INSTALLING THE NET

1. Open door of the trap body.
2. Slip sleeve of net over the black suction tube in trap body, with the tie string facing out.
3. Close door of trap, turning fasteners clockwise to a vertical position.

NOTE: Door must be securely closed to ensure proper vacuum.

MAINTENANCE

Refill the Propane Tank

The propane tank needs to be refilled every 21 days.

Replace Octenol Cartridge

To replace octenol cartridge, repeat steps 8-12 on previous page.

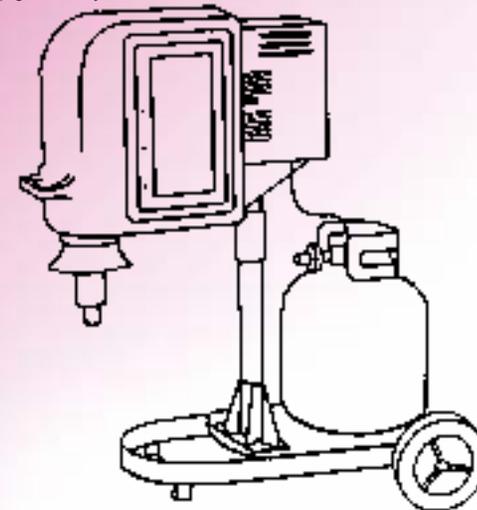
CAUTION: Avoid touching and always wash hands thoroughly after contact.

WARNING: When treating lawns with lime or lawn regenerative compounds the Mosquito Magnet must be shut down to avoid clogging the orifice and damaging the trap.

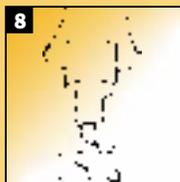
Change the Insect Net

It is not necessary to shut the trap off when changing the net. Always empty the net when it is half full.

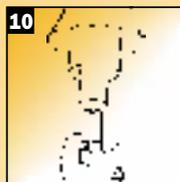
1. Open the access door. Remove the net by pulling it off the black suction tube and close the net by pulling the tie strings.
2. Install a new net by stretching the elastic top over the suction tube lip.
3. Close the access door tightly.
4. If any insects are alive in the net, hang the net in the sun for a few hours and they will die.
5. The net needs to be replaced periodically (every 3 months) to ensure proper airflow through the trap.



INSTALLING OCTENOL



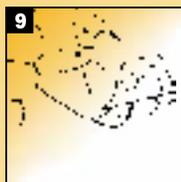
With a flat head screwdriver, remove the cover from the bottom of the attractant carrier, located in the CO₂ chamber.



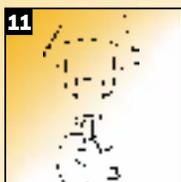
Slide octenol cartridge into the attractant carrier.



Octenol should be replaced when refilling propane tank (every 21 days). **Note:** Avoid touching exposed cartridge. Wash hands thoroughly upon contact. Octenol should be kept out of reach of children and pets.



Peel cover from Octenol cartridge.



Screw the cover back onto the attractant carrier using a flat head screwdriver.

FILLING PROPANE TANK

NOTE: Propane tanks may contain air, moisture, or other contaminants which can shut down the Mosquito Magnet.

A previously used tank will operate properly. The problem occurs with new tanks, which have not been purged correctly.

Do not open the valve on the propane tank until it has been filled, as this will cause air to enter the tank.

ATTACHING PROPANE TANK

1. Place full tank of propane in cradle.
2. Remove protective cap from propane hose fitting.
3. Attach hose and regulator to propane tank, turning counterclockwise to tighten. The hose must be securely tightened to avoid any gas leakage.

FOR BEST RESULTS

- Door must be tightly secured to maximize catch.
- Propane tank should be refilled every 21 days.
- Never spray insecticide in or around trap.
- Empty bug bag every 3 weeks. Replace bug bag every 3 months.
- Attractant must be replaced every 3 weeks.

WARNING:
For outdoor use only, never use indoors.

STARTING INSTRUCTIONS

The catalytic beads in the Mosquito Magnet may shift during shipping, preventing their contact with the fuel valve control, thereby causing the valve to close prematurely. To ensure proper startup, please shake the power pack side to side and forward to back into a uniform horizontal level. In the event that the system does not ignite please contact American Biophysics Corporation toll free at 1-877-545-5737.

Note: Platinum beads are located in the power pack and cannot be seen externally.



1. Place the Mosquito Magnet on a level surface in the desired location. (See "Trap Placement") Position the regulator vertically.
2. Open the gas valve on the tank. Hold the safety valve button (silver pushbutton) in for about 5 to 10 seconds to allow gas to reach the combustion chamber.
3. While holding in the safety valve button, press and release the igniter button 3 or 4 times. Listen for a hollow "pop" sound occurring simultaneously with the clicking of the igniter. This indicates that the power pack has fired. While continuing to hold in the safety valve button, watch the temperature gauge for any increase. Within 5 to 10 seconds of firing, the temperature should begin to increase noticeably. If this does not occur, press and release the igniter button 3 or 4 times. (The power pack may not start on the first attempt.) Repeat this process until the power pack starts, holding in the safety valve button at the same time. When the temperature gauge moves into the yellow area, the safety valve button can be released SLOWLY.
4. The operating gauge will stay in the yellow area. The gauge will drop and rise again over time as the generator begins to produce electricity and the fans begin to operate. This process will take 20-40 minutes depending on the environmental conditions.
5. Sometimes, when the gas tank has just been changed, an air bubble in the line will shut down the trap before it reaches operating temperature. If the fans have not started within 15 minutes and the temperature gauge is in the red zone (start), repeat the startup sequence.

SHUTTING DOWN THE MOSQUITO MAGNET

To shut down your Mosquito Magnet, simply close the valve of the propane cylinder and allow the burner to expire. The trap will continue operating for approximately one half hour after the propane is discontinued, as long as the burner remains warm enough to keep the fans running. The Mosquito Magnet should not be moved or handled during this time, as its outer surfaces may be hot. After the Mosquito Magnet has cooled sufficiently, it may be stored for the off-season. If the propane cylinder is to be disconnected, the protective plastics should be replaced on the nozzle end. Any open octenol packages should be removed and discarded if the trap is to be stored indoors. The net should be discarded prior to storing the Mosquito Magnet.

MOSQUITO AND SAND FLY WEIGHTS & MEASURES

Mosquitoes

Weight

1 Gram (after desiccating in the net) = 2415 mosquitoes
1 Ounce (weight) = 68,465 mosquitoes

Volume

1 liter (1000 ml or 1000 cubic centimeters) = 53,675 mosquitoes
1 oz (liquid) = 1,588 mosquitoes
1 Tablespoon = 794 mosquitoes
1 cubic inch = 880 mosquitoes
1 inch of depth in the net = 37,180 mosquitoes

Sand Flies:

Weight

1 gram (after desiccating in the net) = 45,450 Culicoides
1 ounce (weight) = 1,288,635 Culicoides

Volume

1 Liter = 2,507,000 Culicoides
1 Milliliter (1 cc) = 2,507 Culicoides
1 Ounce (liquid) = 74,140 Culicoides
1 Tablespoon = 37,070 Culicoides
1 Cubic inch = 41,000 Culicoides
1 Inch of depth in the net = 1,732,000 Culicoides

CANADIAN PROPANE REGULATIONS

Please Retain these Instructions For Future Use.

1. The Mosquito Magnet area should be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.
2. The flow of combustion and ventilation air should not be obstructed.
3. Periodically wipe down the outside of the Mosquito Magnet with a clean, water damp cloth.
4. Installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1 or CAN/CGA B 149, Natural Gas Installation Code or Propane Installation Code.
5. The LP-gas cylinder is in accordance with the US Dept. of Transportation (DOT) or the National Standard of Canada, CANICSA-B339, Cylinders Spheres and Tubes for the Transportation of Dangerous Goods.
6. Inspect the hose before each use of the Mosquito Magnet.
7. If it is evident that there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the Mosquito Magnet being put in operation. A replacement hose assembly will be supplied by the manufacturer.
8. The Mosquito Magnet will accommodate up to a 20 lb. LPG tank.
9. To disconnect the propane tank from the trap press the release tab on the quick disconnect.
10. To check for a gas leak, apply dishwasher liquid soap with a small brush over the connection. If you see bubbles there is a gas leak.
11. Adequate ventilation is required.
12. It is recommended that the trap be placed on level ground for proper performance.
13. If the Mosquito Magnet is not in use, the gas must be turned off at the supply cylinder.
14. Storage of the Mosquito Magnet indoors is permissible only if the cylinder is disconnected and removed from the trap.
15. Cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage or any other enclosed area.
16. The pressure regulator and hose assembly supplied with the Mosquito Magnet must be used. Replacement pressure regulators and the hose assemblies must be those specified by the Mosquito Magnet manufacturer.
17. The propane cylinder must include a collar to protect the cylinder valve.
18. The cylinder supply system must be arranged for vapor withdrawal.
- 19 (a). Do not store a spare LP-gas cylinder under or near this appliance.
- 19 (b). Never fill the cylinder beyond 80 percent full
- 19 (c). If the information in "(a)" and "(b)" is not followed exactly, a fire causing death or serious injury may occur.

GENERAL HAZARD WARNING!

FAILURE TO COMPLY WITH THE PRECAUTIONS AND INSTRUCTIONS PROVIDED WITH THIS APPLIANCE, CAN RESULT IN DEATH, SERIOUS BODILY INJURY AND PROPERTY LOSS OR DAMAGE FROM HAZARDS OF FIRE, EXPLOSION, BURN, ASPHYXIATION, CARBON MONOXIDE POISONING, AND/OR ELECTRICAL SHOCK.

IF YOU NEED ASSISTANCE OR APPLIANCE INFORMATION SUCH AS AN INSTRUCTIONS MANUAL, LABELS, ETC. CONTACT THE MANUFACTURER.

MISE EN GARDE!

Le non-respect des mesures de sécurité et des instructions fournies avec cet appareil peut entraîner la mort, des blessures graves ou des dommages matériels causés par un incendie, une explosion, des brûlures, l'asphyxie, une intoxication au monoxyde de carbone et (ou) des chocs électriques.

Pour plus de renseignements sur les instructions ou l'appareil ou pour obtenir la notice d'instructions, des étiquettes, etc., communiquer avec le fabricant.

WARNING!

FIRE, BURN, INHALATION, AND EXPLOSION HAZARD. KEEP SOLID COMBUSTIBLES, SUCH AS BUILDING MATERIALS, PAPER OR CARDBOARD, FEATHERS, STRAW AND DUST A SAFE DISTANCE AWAY FROM THE APPLIANCE AS RECOMMENDED BY THE INSTRUCTIONS. NEVER USE THE APPLIANCE IN SPACES WHICH CONTAIN OR MAY CONTAIN VOLATILE OR AIRBORNE COMBUSTIBLES, OR PRODUCTS SUCH AS GASOLINE, SOLVENTS, PAINT THINNER, DUST PARTICLES OR UNKNOWN CHEMICALS.

AVERTISSEMENT!

Risque d'incendie, de brûlure et d'explosion. Ne pas inhaler. S'assurer que des combustibles solides comme les matériaux de construction, le papier ou le carton, les couvre-joints, la paille et la poussière sont à une distance sécuritaire de l'appareil, conformément aux instructions. Ne jamais utiliser l'appareil dans des endroits qui contiennent ou peuvent contenir des combustibles volatiles ou en suspension ou des produits comme de l'essence, des solvants, des diluants pour peinture, des particules de poussière ou des produits chimiques inconnus.

1. For outdoor use only. If stored indoors, detach and leave cylinder outdoors.
Pour utilisation à l'extérieur seulement. Si l'appareil est entreposé à l'intérieur, enlever les bouteilles et les laisser à l'extérieur.

2. Minimum clearance from sides and back of unit to adjacent combustible construction is 16 inches.
Dégagement minimal à respecter entre les côtés et l'arrière de l'appareil et une construction combustible adjacente située au-dessous de la partie 16 inches.

3. CAUTION: The gas pressure regulator provided with this outdoor appliance must be used. This regulator is set for an outlet pressure of 10 pounds per square inch. (The outlet pressure specified by the manufacturer.)

MISE EN GARDE: Le régulateur de pression de gaz prévu avec cet appareil de cuisson à gaz pour l'extérieur doit être utilisé. Ce régulateur est réglé pour une pression de sortie 10pounds per square inch. (La pression de sortie spécifiée par le fabricant)

4. The gas supply must be turned off at the LP-gas supply cylinder when this outdoor gas appliance is not in use.
L'alimentation du gaz doit être fermée à la bouteille de gaz de pétrole liquéfié, lorsque cet appareil de cuisson extérieur n'est pas utilisé.

5. The LP-gas cylinder must be disconnected when this outdoor gas appliance is not in use.
La bouteille d'alimentation en gaz de pétrole liquéfié doit être débranchée, lorsque cet appareil de cuisson extérieur n'est pas utilisé.

WARNING!

THIS APPLIANCE MUST NOT BE WASHED. USE OF A PRESSURE WASHER, WATER OR LIQUID CLEANING SOLUTION ON THIS APPLIANCE CAN CAUSE SEVERE PERSONAL INJURY OR PROPERTY DAMAGE DUE TO WATER AND/OR CLEANING SOLUTION:

A. IN ELECTRICAL COMPONENTS, CONNECTIONS AND WIRES CAUSING ELECTRICAL SHOCK OR COMPONENT FAILURE.

B. ON GAS CONTROL COMPONENTS CAUSING CORROSION WHICH CAN RESULT IN GAS LEAKS AND FIRE OR EXPLOSION FROM THE LEAK.

APPLIANCE MUST BE CLEANED WITHOUT BEING SUBJECTED TO LIQUID SPRAY OR EXCESSIVE WETTING.

AVERTISSEMENT!

Ne pas laver cet appareil. L'utilisation d'un appareil de nettoyage à pression, d'eau ou d'une solution nettoyante liquide sur cet appareil peut entraîner des blessures graves ou des dommages causés par l'eau et (ou) la solution nettoyante :

A. qui entre en contact avec des composants, des raccordements et des fils électriques ce qui présente des risques de chocs électriques ou de défauts ;

B. qui entre en contact avec les composants d'acheminement du gaz et qui cause de la corrosion qui peut entraîner des fuites de gaz ou une explosion.

Nettoyer l'appareil sans pulvérisation liquide ou sans trop le mouiller.

WARNING!

If you smell gas:

1. Shut off gas to the appliance
2. Extinguish any open flame
3. If odor continues, immediately call your fire department or gas supplier

1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

AVERTISSEMENT

S'il y a une odeur de gaz:

1. Coupez l'admission de gaz de l'appareil
2. Éteindre toute flamme nue.
3. Ouvrir le couvercle.
4. Si l'odeur persiste, appeler immédiatement votre compagnie de gaz ou votre département des incendies.

1. Ne pas entreposer ni utiliser de l'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de l'appareil, ne de tout autre appareil.
2. Une bouteille de propane qui n'est pas raccordée dans le voisinage de cet appareil ou de tout autre appareil.



Mosquito Magnet Models:

Mosquito Magnet Pro
1000MM-P.Pack
MM-Base

Mosquito Magnet
2000MM-P.Pack
2000MM-Top
MM-Base