



Win the war against mosquitoes!

CAUTIONS

Your Backyard Freedom system comes complete with a Back Flow valve. This prevents the Freedom chemical from flowing back into the public water system. Do not alter the system or remove any feature from the system.

While the Freedom chemical is organic it comes in a concentrated form. Therefore, it is best to store the chemical and Place the Backyard Freedom System[®] away from people and animals.

If properly sprayed, the Freedom chemical will not harm plants. However, if you consistently use a higher concentration, the spray may be harmful to some plants (mainly large bulb plants like caladiums or potato vine.) Direct the spray away from these plants.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-231-2966 for medical treatment information.

If swallowed

- Call poison control center or doctor immediately for treatment advice.
- Have victim sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

If in eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

If inhaled

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Contains petroleum distillates - vomiting may cause aspiration pneumonia

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards

This product is toxic to fish. Drift or runoff may adversely affect fish. Do not apply directly to water or areas where surface water is present or inter-tidal areas below the main water mark. Do not contaminate by cleaning of equipment or disposal of equipment wash waters. This product is highly toxic to bees exposed to direct treatment on blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Apply this product only as specified on this label.

Physical or Chemical Hazards

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Directions for Use: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

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

Storage: Keep in a cool, dry area preferably locked and away from children and pets. Do not store below 32° F (0° C). In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Active Ingredients: Pyrethrins 0.55% *Piperonyl Butoxide, Technical 5.50% **Permethrin: (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate 1.10%

Inert Ingredients: 92.85% Total: 100.00% *Equivalent to 4.4% (butylcarbityl)(6-propylpiperonyl) ether and 1.1% related compounds.

**Cis/trans ratio: Max. 65% (+/-) trans and min. 35% (+/-) cis.

Effectively kills and repels: House Flies • Stable Flies • Horse Flies • Fruit Flies • Black Flies • Deer Flies • Horn Flies • Bott Flies • Face Flies Biting & Non-Biting Midges • Fleas • Mosquitoes • Gnats

DILUTION/USE RATE

Dilute before using. When used as a space spray, dilute by adding 1 part of this product to 21 parts of clean water. Mix thoroughly prior to application.

WHERE TO USE

Use as a space spray in horse's barns*, dog kennels, and zoo animal quarters. Use as an outdoor spray for temporary reduction of listed insects on and around homes, patios, tennis courts, pool areas, beach houses, and lawn areas.

***Do not apply this product to horses intended for slaughter or human consumption. Do not apply this product to horse barns (stables) where horses intended for slaughter or human consumption will be maintained.**

Do not treat areas where food crops are growing. Personnel should vacate containment areas (i.e. horse barns, dog kennels, etc.) to be treated while treatment is in progress. Treated areas should be thoroughly ventilated prior to re-entry by personnel. Do not use in commercial food/feed handling establishments, restaurants, or other areas where food is commercially prepared or processed.

APPLICATION DIRECTIONS

To apply as a space spray, use mechanical (Non-Thermal) spray equipment such as Pyranha SprayMaster™ System. Adjust the spray nozzles to deliver a fine mist to the entire treatment area at a rate of 1 ounce diluted product per 1,000 cubic feet of area.

Pyranha, Inc. • 6602 Cunningham Rd. • Houston, TX 77041 • 1-800-231-2966

SYSTEM SET-UP

SET-UP TIME

The Backyard Freedom system was designed to be easy to install. Less than thirty (30) minutes is required to fully install your system and gain relief from the mosquitoes and other flying pests that make your back yard uncomfortable.

TOOLS NEEDED

Only the Punch Tool included with this system is needed for installation.

SYSTEM SET-UP

Read these important facts before installing your Backyard Freedom System.

Locate the Backyard Freedom unit away from water and animals. While it uses organic chemicals, the concentration could make children or animals sick if they have excessive direct contact.

While you must keep the water on continually to enable your Backyard Freedom system, you can connect your hose to the other branch of the "Y" connector to use your water any time.

The Backyard Freedom System is designed to be used with 100 feet of tubing. While an additional 50 feet may be added, this results in a slight pressure drop that affects the resulting spray pattern.

Expect the spray pattern to only be six (6) to eighteen (18) inches in size. This pattern size is more than acceptable to produce desired outcome- the reduction of flying pests. The spray is spread through the yard by wind and the odor is detected throughout the yard.

Do not let the tank run dry. If it does, refill the tank and manually run the system a few times. It will take the system a series of system _____ to re-energize the system.

If you are using more than 50 feet of hose, we recommend that you straighten and then connect all of the hose before connecting to the Backyard Freedom system. This reduces kinks or twists in the hose.

Until you have put the Freedom chemical in the tank and adjusted the control valve, the sprayers will not provide a strong spray. This may cause the system to dribble not spray. With chemical in the tank, the sprayers should be much stronger.

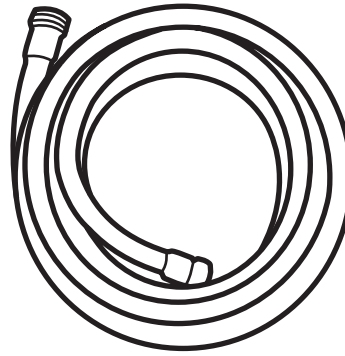
The backyard Freedom System creates a barrier. The chemical does not need to be applied to all surfaces.

Mosquitoes are most active at dawn and dusk. We suggest you initially activate your system 30 minutes before these times. The timer may be adjusted depending on the activity level of the mosquitoes in your area.

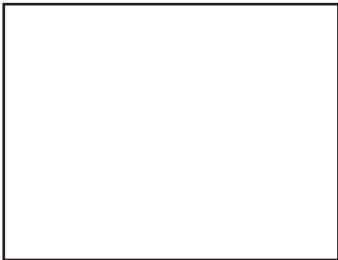
ITEMS INCLUDED



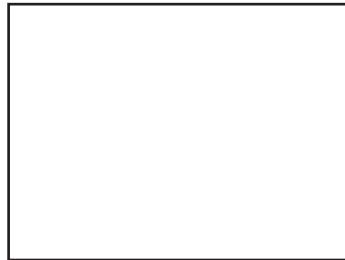
PART A
"Y" Spout
One



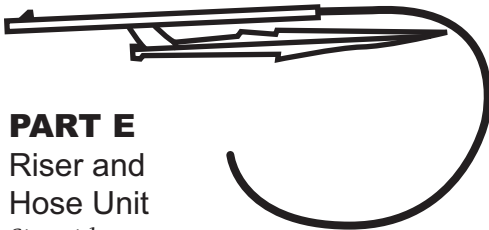
PART B
Extension Hose
One 10 foot hose



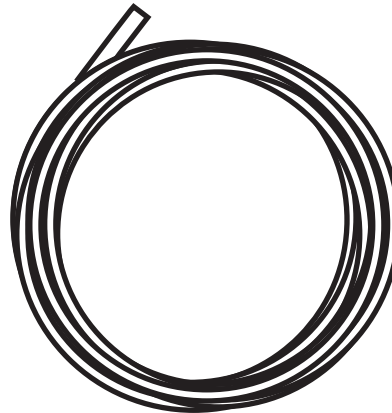
PART C
Backyard Freedom
System
One



PART D
Proprietary Chemical
"Freedom" Blend
2 gallons

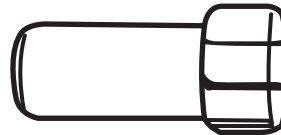
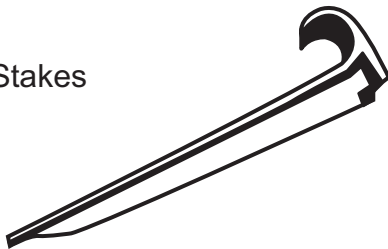


PART E
Riser and
Hose Unit
Six, with extra connector

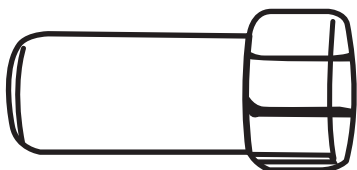


PART F
1/2" Hose
50 feet

PART G
1/2" Hose Stakes
Four



PART H
1/2" Hose Fitting
(from 1/2" hose to system)
One



PART I
1/2" Hose End Fitting
(for end of 1/2" hose)
One



PART J
Punch Tool-
Orange or Blue
(for creating connec-
tion hole in 1/2" hose)
One

INSTALLATION

Leave water off until system is completely installed

1
Attach “Y” to faucet. Make sure both spouts are off at this time.

2
Attach hose from one of the “Y” spouts to Backyard Freedom system. The male end of the hose will attach to the swivel side of the container.

3
Uncoil the ½” hose. Laying out the hose will be easier if you stretch it out and let the sun warm it up and let it naturally straighten. If needed the hose can be straightened by moving your hands over the hose.

4
Press on the ½” swivel hose fitting. This may already be installed.

5
Lay out the ½” hose in the desired area using the stake to keep the hose in place. See the notes below on proper locations suggestions. The stakes are best used on curves or corners to hold the hose in place.

6
Press on the ½” end cap fitting. If you desire a longer hose, then insert a fitting and connect to additional hose. Be sure to put an end cap on the final end.

7
Place nozzle/riser assemblies in desired locations. Make sure you have ample ¼” hose to reach the main ½” hose.

8
Using the Punch Tool, pierce the side of the ½” hose at desired location using the provided tool. Punch in the center of the ½” Hose for a clean entry. You will hear a snap when the Punch has fully penetrated the hose.

9
Insert hose barb fitting into hole in ½” hose. Insert until you hear a snap to ensure in fully.

10
Turn each sprayer “On.”

11
Twist the riser so the spray will go in desired direction.

12
Attach the ½” hose to the container.

INSTALLATION

13

Put batteries into timer and set-up per attached directions. Batteries may already be installed. See the notes below on suggested set-up.

14

Fill the container with a few inches of fresh water. This allows testing without wasting Freedom chemical.

15

Test – Turn on faucet and allow water to run through system and spray through the nozzles. Change locations, height or direction of spray nozzles as needed. You will need to allow for the air in the system to be purged. Use this time to ensure all the valves are open, directed correctly and that there are no leaks.

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Once the system is fully functional, it is time to add the “Freedom” Chemical Blend. Remove lid from the container and add the full amount of the Freedom chemical into the container. Make sure the hose end is completely submerged.

17

Twist the injector knob on the pick up tube to the “1” position. This knob controls how much chemical is mixed with the water and sprayed. It can be adjusted to increased (from 1 - 4 if mosquitoes persist) or decreased (if mosquitoes are under control). The more open the injector knob the more chemical will be used. While this will positively affect the mosquito population, it will also cause you to use more of the chemical. Initially, it is recommended that the injector knob be set at “1.”

18

Replace lid. Make sure it is firmly attached to prevent spillage or any animal coming in contact with the contents.

19

Activate timer. The timer requires one (1) 9 volt alkaline battery which may not be included. The timer may be set for duration in hours and minutes. Carefully set the duration. We suggest that the duration be set initially set for one (1) minute. The display on the time should read “00:01:”.

20

Turn on water and open the valve on the “Y” for the system. Slowly turn the “y” switch on to prevent too much pressure. Keep the valve closed on the other “Y” spout. This spout can be used for general watering needs.

21

Use the Manual Override button to test your system.

FREQUENTLY ASKED QUESTIONS

What is a misting system? It is a system specifically designed to automatically deliver a fine mist of insecticide formulation at pre-set time intervals which helps eliminate a wide range of flying insects. Some of which include; mosquitoes, flies, wasps, and spiders in and around horse barns, and residential outdoor spaces.

Where should you locate the main system? While you are provided a ten foot extension hose, the system can be located relatively near a outdoor faucet. It is advisable to locate away from children and animals. This can be achieved by putting on an elevated position or behind a fence.

Where should you locate the nozzle/risers? To create a complete barrier to the mosquitoes, the nozzles should be not more than ten feet from each other and in a location where the spray won't be blocked by bushes or other objects. If possible, place the 1/2" Hose against the fence or behind any bushes around the backyard. Use the 1/4" extension hose to locate the actual nozzle/riser in a non-obstructed location. In a heavily bushy area, use one nozzle to spray behind the bushes to treat that area.

What if I punch a hole in the 1/2" hose and then change my mind? Use the included plug to plug the hole and punch a new hole in the new location.

What if the 1/4" hose from the 1/2" hose to the nozzle comes off? Simply push the tube over the barbed end. Press firmly so that the hose is completely over the barb.

What is Pyrethrum? Pyrethrum is an insecticide derived from a plant extract of the species of the genus Chrysanthemum (Daisy), native to southwestern Asia and Africa, whose aromatic flower heads, when powdered, constitute the active ingredient Pyrethrin. The main active ingredients in Pyrethrin are a mixture of four compounds: Pyrethrin I and II and Cinerin II and I.

Is Pyrethrum harmful? Pyrethrum has shown to have low level of toxicity to mammals. This family of insecticides is EPA registered for use in many household products and livestock treatment as well for treating unwanted pests in edible plants and fruits. Used properly and at the concentrations stated in the label instructions, Pyrethrum should not be harmful. Pyrethrum and Permethrin related products should always be used in accordance to the product label instructions.

Will pyrethrum harm my pets? No, If used properly as directed in the label Pyrethrum is considered to have a low toxicity to humans and pets (mammals). Pyrethrum insecticides have been used in agriculture and equine applications for over thirty years, with no known harmful effects.

Is the chemical dangerous to plant life? Not when used in moderation as an organic blend

Is the chemical dangerous to humans or animals? Similar to the chemicals effect on plant life

What is the Back Flow Valve? a

Which direction should the Back Flow Valve be located? a

Will the chemical go back into the water source? a

How long should the timer be set for? Set the run duration selector switch to length of spray time desired. When first starting system, we recommend setting timer to operate 6 times for 45 seconds. When area is under satisfactory control (10 to 14 days), cut back the number of spray cycles and duration time to maintain control.

How do I adjust the Venturi tube for the chemical? a

PREVENTION & PROTECTION

Always remember the 3 D's of protection from mosquitoes

Drain

Many mosquito problems in your neighborhood are likely to come from water-filled containers that you, the resident, can help to eliminate. All mosquitoes require water in which to breed. Be sure to drain any standing water around your house.

- Dispose of any tires. Tires can breed thousands of mosquitoes.
- Drill holes in the bottom of recycling containers.
- Clear roof gutters of debris.
- Clean pet water dishes regularly.
- Check and empty children's toys.
- Repair leaky outdoor faucets.
- Change the water in bird baths at least once a week.
- Canoes and other boats should be turned over.
- Avoid water collecting on pool covers.
- Empty water collected in tarps around the yard or on woodpiles.
- Plug tree holes.
- Even the smallest of containers that can collect water can breed hundreds to thousands of mosquitoes. They don't need much water to lay their eggs. (bottles, barrels, buckets, overturned garbage can lids, etc.)

Defend

Choose a mosquito repellent that has been registered by the Environmental Protection Agency. Registered products have been reviewed, approved, and pose minimal risk for human safety when used according to label directions. Three repellents that are approved and recommended are:

- DEET (N,N-diethyl-m-toluamide)
- Picaridin (KBR 3023)
- Oil of lemon eucalyptus (p-methane 3,8- diol, or PMD)

Here are some rules to follow when using repellents:

- Read the directions on the label carefully before applying.
- Apply repellent sparingly, only to exposed skin (not on clothing).
- Keep repellents away from eyes, nostrils and lips: do not inhale or ingest repellents or get them into the eyes.
- The American Academy of Pediatrics suggests that DEET-based repellents can be used on children as young as two months of age. Generally, the AAP recommends concentrations of 30% or less.
- Avoid applying repellents to portions of children's hands that are likely to have
- Pregnant and nursing women should minimize use of repellents.
- Never use repellents on wounds or irritated skin.
- Use repellent sparingly and reapply as needed. Saturation does not increase efficacy.
- Wash repellent-treated skin after coming indoors.
- If a suspected reaction to insect repellents occurs, wash treated skin, and call a physician. Take the repellent container to the physician.

Dress

Wear light colored, loose fitting clothing. Some of the 176 mosquito species are attracted to dark clothing and some can bite through tight-fitting clothes. When practical, wear long sleeves and pants.



TROUBLESHOOTING GUIDELINES

The system does not operate at the correct times.

1. Check the timer box and see that the clock is set with the current time.

The system will not build pressure.

1. Leaks in tubing or nozzles. Replace tubing or nozzle tips.
2. Kink in Hose. Ensure hose is straight.

The system builds pressure but the nozzles do not spray.

1. Closed tips. Turn the control to ensure fully open.
2. Restricted tubing. Remove any kinks in line or replace tubing.

The system will not operate.

1. Not enough liquid. If container is dry the pressure in the system will negatively affected.
2. Malfunctioning timer. Check settings and make sure the battery is good.

The spray is not killing insects.

1. Incorrect spraying times. Confirm clock has correct time for best use. System may need to be changed to increase number of spraying times and increase duration time. We recommend 6 times a day for 45 seconds to obtain control; then the duration time can be reduced.

WINTERIZING YOUR SYSTEM

1. Fill the container with fresh water.
2. Run the system several times to flush out the system.
3. Take up the system and let drain.
4. Store in a dry, warm place to prevent damage from freezing.