

# **Texas Productions "Green Meanie" Foggers/Smoke Machines**

## **Principle of fogging**

(Before using, be sure to read and follow all instructions, including the instructions on the smoke fluid to be used.)

The secret of fogging's success lies in its ability to reduce smoke fluid into microscopic particles averaging 15 microns in diameter (a micron measures 1/25,000 of an inch). By contrast, mist droplets range from 50 to 125 microns; spray droplets are more than 125 microns.

The tiny particle size allows the fog to spread through the air, penetrating scenery and floating with the breeze. The results can be a fine white diffusion or a thick white fog depending on the wind and the skill of the operator.

The basic components of the Fogger are a mechanical pump, a burner assembly fueled by propane gas, a heat-conducting coil, and a smoke fluid container.

By squeezing the trigger slowly and steadily, every 3 to 4 seconds, the pump forces fluid through the heat-conducting coil, the heat vaporizes the fluid instantly, and a stream of fog surges out of the nozzle.

## **Where and when to fog**

### **Only use the Fogger outside.**

The ideal time to fog is around dawn and especially dusk, when the wind has usually died down and the temperature at ground level is somewhat higher than that of the air a few feet off the ground. This temperature inversion will tend to hold the fog in the treated area for a longer period of time.

DO NOT use the Propane Fogger indoors or in an enclosed area. The unit uses an open flame, and operating the Fogger in an enclosed area, where fog can become heavily concentrated, may cause fire or explosion.

## **Safety precautions**

1. Important Read entire Instruction booklet before operating.

ALWAYS WEAR PROTECTIVE clothing (GLOVES, GOGGLES). AVOID breathing fog or vapors.

2. ALWAYS pre-heat the fogger for one to two minutes, while keeping the fogger level with the ground. Failure to pre-heat the burner may cause an uncontrolled flame in the fogger burner, should the fogger be pointed

toward the ground. Failure to pre-heat the burner may also clog the burner orifice, damaging your fogger.

3. USE ONLY SUPPLIED SMOKE FLUID. The fogger is designed to be used with the supplied fluid. The use of other smoke fluids or chemicals may damage your fogger and could result in unsafe conditions.
4. ALWAYS operate the fogger with the barrel level to the ground. Pointing the fogger down may allow liquid propane to plug the torch, cause flame-up, or uncontrolled burn.
5. DO NOT OVER TIGHTEN THE FUEL VALVE. The fogger will continue to burn, for a short while, (1 - 2 minutes) after the valve is turned off. Over tightening will cause serious damage to your fogger.
6. We recommend the use of the 14.1 oz., tall style propane cylinder. The use of the shorter, 16 oz. lantern cylinders may cause flare-up or uncontrolled burn.
7. Always inspect the threaded outlet of the propane fuel cylinder and remove any dirt that may be there.
8. Operate the Fogger only in well-ventilated areas. DO NOT USE INDOORS. Always keep the Fogger away from flammable materials. Do not smoke while filling and operating unit. Do not fog near uncovered foodstuffs, cooking and eating utensils or open fires. Contamination, fire or explosion could occur.
9. Keep Fogger out of reach of children.
10. Improper attachment of propane gas cylinder to fogger may result in a gas leak. Care must be taken not to cross thread the cylinder into the valve.
11. Keep face, hands and clothing away from burner shroud at all times. Shroud becomes very hot while in operation.
12. The trigger lock should be engaged at all times except when fogging (push button to right). This will prevent accidental pumping into the coil. An accumulation of fluid in the coil may cause liquid discharge when lighting the unit. Such a concentrated discharge may ignite, or stain clothing, outdoor carpeting, etc., and may be harmful to grass and foliage.
13. NEVER leave the Fogger unattended when the burner is lit
14. Do not overfill fluid jar. Turn off propane valve and allow unit to cool before refilling.
15. ALWAYS follow label instructions.

16. Propane gas cylinders are under high pressure. Do not handle cylinders roughly. Follow instructions on cylinder label.
17. NEVER store propane gas cylinders indoors or attached to the Fogger. Always store cylinders in a cool, well ventilated space.
18. DO NOT incinerate cylinders when empty. Propane cylinders should be disposed of properly when empty.

### **Preparing fogger for operation**

1. Make sure that the trigger is locked by pushing locking button in front **of the trigger to the right**. This will prevent the accidental pumping of fluid into the coil.
2. Unscrew the plastic fluid container and fill with smoke fluid. Do not over fill. The fluid should be free of lint or other foreign matter that may clog the pump mechanism. Straining the liquid through a lint-free cloth before pouring it into the container will insure its cleanliness. Make sure the container is screwed on securely so that it will not come loose while the unit is in operation.
3. The fuel valve located on the right side of the unit should be closed. Insert the propane container into the channel in back of the Fogger. Push slightly to engage threads, turning clockwise until cylinder is firmly threaded in place.
  4. Always inspect the threaded outlet of the propane fuel cylinder and remove any dirt that may be there.

### **Operating Instructions**

1. Make sure that the trigger is locked.
2. Place Fogger on a level surface when lighting and preheating.
3. Strike match and place under coil visible through shroud.
4. Open fuel valve a maximum of 1/4 turn. Ignition will take place immediately.
5. Should the gas blow the match out, turn gas off and wait 30 seconds before attempting to re-ignite.
6. If burner will not light, make sure propane gas cylinder is not empty, is screwed in securely, and not cross threaded (no tank threads should be visible). Do not permit gas to escape without prompt ignition.
7. Allow the fogger to pre-heat for 1-2 minutes. While pre-heating some flame may appear around shroud. This is normal and should not be a

cause for concern. Always preheat your fogger for one to two minutes, while keeping the fogger level with the ground. Failure to preheat the burner may cause an uncontrolled flame in the fogger burner, should the fogger be pointed toward the ground. **Failure to preheat the burner may also clog the burner orifice, damaging your fogger.**

8. Release the trigger lock and the Fogger is ready to operate.

### **Operating Fogging Procedures**

1. For a proper dry fog, pump trigger at 3 to 4 second intervals. Too frequent pumping will result in a wet fog.
2. If a flame appears at the end of the nozzle, stop pumping immediately. Turn propane valve off. Place Fogger on a stable, non-flammable surface. Flame will stop after excess insecticide is eliminated.
3. **CAUTION: The shroud will become very hot while in operation. Do not let it come into contact with skin, clothing or any combustible material. Always operate your fogger with the barrel level with the ground. Pointing your fogger down may allow liquid propane to plug the torch, cause a flame up, or uncontrolled burn.**

NOTE: The Fogger is temperature sensitive and may lose effectiveness if overheated. Properly heated Foggers will produce a white tinted fog. Overheated Foggers will produce a fog with a brown or yellow tint if the fluid overheats, increase the rate of pumping until the insecticide cools off. Over pumping will produce liquid at the nozzle.

### **Turning off the fogger**

When you have finished fogging:

1. Push the trigger lock to the right to lock the trigger.
2. Allow the Insecticide already in the coil to completely fog out. This will take 1 to 2 minute
3. 3. When the fog being emitted becomes sporadic, shut off the propane gas by turning the fuel valve clockwise. **DO NOT OVER TIGHTEN THE FUEL VALVE.** Your fogger will continue to burn, for a short while, (1 - 2 minutes) after the valve is turned off. Over tightening will cause serious damage to your fogger.
4. Let the fogger cool off before storing.

### **Care and maintenance**

1. Smoke fluid provides lubrication for the Fogger's pump so no additional lubrication is necessary.

2. If the nozzle or coil should become clogged, remove and clean nozzle with a small diameter wire. With nozzle end pointed toward floor, insert wire in coil to check for and remove carbon build up.
3. The burner assembly in the fogger is not customer serviceable. If the burner assembly fails to light or will not stay lit, return the fogger to Texas Productions factory service.

### **Fuel cylinders for the fogger**

1. **The Fogger** is fueled by any standard propane gas cylinder. Each cylinder will provide approximately 2 1/2 hours of continuous fogging.
2. You can purchase additional propane cylinders at most hardware, discount and sporting goods stores.
3. We recommend the use of the 14.1 oz., tall style propane cylinder (3" diameter X 11.5" long). The use of the shorter, 16 oz. lantern **cylinders may cause a flare up** or uncontrolled burn.
4. Most fuel cylinders come with a protective cap over the gas outlet. Replace this cap when you store the fuel cylinder. Before storage or use, make sure the fuel outlet is clean and free of debris.

### **Texas Productions**

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NB. It is a condition of hire that all persons hiring this machine do so at their own risk. Texas Productions Pty Limited, The Hell Team and their employees are absolved from liability for damage to the hirer and associated production personnel, property and equipment, no matter whether for negligence or any other basis and no matter whether such injury or damage be foreseeable or howsoever such injury or damage be caused. Any damage to the machine and subsequent loss of income, is payable in full by the hirer.