



ATV – B&G Fogger USER'S MANUAL

Safety Precautions

- **Gasoline.** The *only* fuel for this fogger is 87 octane gasoline. Do not mix oil with the fuel. Do not add fuel to the fuel tank when the engine is running.
- **Insecticide formulation.** Formulations used in cold foggers must be mixed according to product label directions.
- **Carry handle.** Do not carry the fogger by the handle on the formulation tank.
- **Safety equipment.** Follow insecticide label directions that require operator to use personal safety equipment.
- **Improper use.** Do not leave the fogger unattended when motor is operating, or when nozzles are operating. Follow product label directions for flow rate and treatment areas.
- **Public safety.** People, including children playing, should not be in a treatment area.



Before Starting

- Place fogger in an outdoor open area; position the nozzles away from buildings or occupied spaces.
- Turn the nozzle adjustment knobs to the Off position before starting the engine.
- **Be certain that oil has been added to the engine. Some oil may be visible when the cap is removed, but the bottle of oil supplied with the fogger must be added before starting.**
- Use fresh gasoline. Fresh fuel will make the Priming Bulb work efficiently, and the motor will start easier.

Starting the Engine

1. Motor switch turned On
2. Move Choke Lever up
3. Press / release the Primer Bulb until gas is visible in the bulb
4. When gas is in the Primer Bulb, press bulb 2 times to deliver gas to carburetor
5. Pull start cord 1 or 2 times until there is resistance, then pull quickly to start the engine
6. Move the Choke Lever down when the engine is running smoothly

Fogging Start/Stop Sequence

Nozzle Adjustment: Each nozzle must be adjusted to 'zero' before starting to spray. Turn the knob to the right (clockwise) until it stops. Then push down on the base of the knob (spring loaded) to move the point to the notch on the edge of the nozzle.

ULV fogging: Turn the adjustment knob to left (open) for 2 1/2 turns for 34 micron droplets (VMD)

The spray from the nozzle will be only slightly visible because it is made up of small droplets.

Barrier Spray: Turn the adjustment knob to full open, about 4 turns to left to deliver large droplets.

Spray from the nozzle is visible and made up of large droplets, about 54 microns (VMD).

Adjustment knob: When fogging application is complete, turn the adjustment knob Off and set the 'zero' point again. The 'zero' point should be established before every application to achieve the proper droplet size in the spray.

Operation

Fill formulation tank with insecticide. It is best to start with a full tank. Note: The cap should be closed tightly. The tank is lightly pressurized to ensure the flow of formulation to the nozzles and the cap will maintain pressure.

Open valves on lines that lead to the twin nozzles. Nozzles can be operated singly on either side, or together.

Nozzles turned Off before starting. Nozzles should be calibrated to zero: turn the adjustment knob to the right until it stops, push down on the base and move point to the notch on the nozzle.

Start engine and allow it to run for several minutes before turning on the nozzles and fogging.

Nozzle settings can be made after the engine is running and air is flowing to the nozzles. Open the adjustment knob to the setting for ULV spray (2.5 turns) or barrier treatment (4 turns).

Trouble Shooting

Engine Won't Start

- **Choke** should be **closed** to start the engine.
- **Engine switch** should be **ON**.
- **Carburetor** flooded, allow 5 -10 before restarting; do not press primer bulb more than 2 times.
- **Fuel** in tank is old and gives poor ignition; use fresh fuel.
- **Spark plug** may be dirty or with incorrect gap; gap should be 0.024 - 0.028 inches (0.60 - 0.70 mm).

No Fog Produced

- Nozzles clogged with dirt, obstructing opening.
- Formulation tank less than half full; the engine needs to run for several minutes to pressurize tank.
- Filters in formulation tank are clogged.
- Turn adjustment knob to full open, then close and reset the point to zero.
- Check / replace belt that drives the blower motor.

Routine Engine Maintenance

Engine Oil

- **Every use** check the oil level and add oil to fill line.
- **1st month** or 10 hours of use - change engine oil.
- **Every 6 months** or 50 hours of use - change oil.

Spark Plug

- **Every year** or 100 hours of use - clean, set the gap.
- **Every 2 years** replace spark plug.

B&G Help Line
800-544-8811



1. Nozzle assembly
2. Blower assembly (# 39651)
3. Blower belt (not shown) (# 39504)
4. Formulation tank assembly
5. Formulation siphon tubes and filter assembly
6. Handle
7. Formulation tank strap



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