

CORDLESS ELECTROSTATIC BACKPACK SPRAYER BY CLEAN GATE

OPERATION MANUAL AND SPECIFICATION SHEET



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Cordless Electrostatic Sprayer By Clean Gate: You'll be able to sanitize more efficiently and effectively in less time and use less sanitizing, disinfecting, or cleaning chemicals using the Clean Gate Cordless Electrostatic Sprayer. Significantly more effective than traditional spray-and-wipe cleaning, electrostatic sprayers create a fine mist of electrically charged chemical droplets. The sprayed mist "seeks out" surfaces to be sanitized or cleaned and "wraps" itself around uncoated surfaces and hard-to-reach areas with minimal effort. Clean Gate Cordless Electrostatic Sprayers apply a very fine coating (5- to 80-micron size droplets), so surfaces aren't drenched with liquid, meaning virtually any surface can be sprayed.

Warning: If the solution overflows from the mouth of the barrel, and wets the outer surface of the barrel or the clothes or body of the operator, it will easily lose the electrostatic adsorption effect and cause electrostatic leakage to stimulate the skin. Therefore, be sure to tighten the lid during operation to prevent spillage of the liquid from the mouth of the bucket. If soluble powder is sprayed, the pump and nozzle should be cleaned in time, and charged after the operation. The machine should not use wettable powder.

SAFETY AND OPERATION PRECAUTIONS

1. Pay great attention to the filtration of chemical liquid and water, so as not to block the nozzle and affect the operation. If the nozzle is blocked, the particulate matter can be removed and the machine can be turned on again when the machine is stopped.
2. The operator must understand the performance and protective methods of the agent used to avoid poisoning accidents caused by direct body contact with pesticides. Avoid spraying with chemicals that have a corrosive effect on plastics and metals. Please do not spray wettable powder to avoid damage to the pump and nozzle clogging.

3. After using the machine, clean the inside of the tank and the spray system with clean water in a timely manner and wipe it clean, then place it in a suitable place indoors for proper storage. Cleaning method: After spraying the liquid medicine, pour clean water into the storage tank, and spray it for 15 seconds after starting up, pour out the remaining clean water and wipe it clean.

4. It is forbidden to immerse the spray head and the fuselage in water to avoid damage to the motor, battery and electronic components by moisture. It is forbidden to use the machine in a flammable and explosive environment.

5. During operation, pay attention to keep the outer surface and handle of the barrel clean and dry. It is forbidden to make limb contact with other people during operation. It is forbidden to touch the spray rod, nozzle and charging socket of the barrel during operation.

6. Please note that if an alarm sounds in the machine, it should be charged in time. After charging, please leave it for 10 minutes before use. When the battery is not used for a long time, the battery should be maintained and charged no less than once a month. Correct use and maintenance of the battery can greatly extend the service life of the battery.

7. There are tens of thousands of volts in the machine. It is strictly prohibited to disassemble the machine by yourself.

8. The use of special working fluids such as strong acids and bases is prohibited. When using pesticides, follow the safety instructions provided by pesticide manufacturers.

10. Due to the high humidity and water vapor in the greenhouse, please do not store the machine in the greenhouse to avoid dampening the electrical circuits in the machine, affecting the electrostatic adsorption effect of the spray and generating electrostatic leakage.

WORKING PRINCIPLE

This machine uses a 12V lead-acid battery or a lithium battery as a power source. The high-voltage electrostatic generator charges the drug solution. At the same time, the drug solution is pressurized through the diaphragm pump and directly extruded from the small nozzle hole. Under the combined action of external force and electrostatic force, the sprayed tiny droplets directly run to the front and back of the crop (target) and are firmly absorbed by the stems and leaves of the crop, thereby achieving the purpose of efficient disinfection, insecticide and sterilization.

SCOPE OF APPLICATION

This machine is suitable for the prevention and control of diseases and insect pests of low and sparse crops and various agricultural and forest crops such as tea, tobacco, flowers, fruit trees (especially suitable for greenhouse crops). It can be used for spraying insecticides, fungicides, herbicides, plant hormones, foliage fertilizers, etc., and can also be used for sanitation and epidemic prevention and disinfection and sterilization of plants, warehouses, stations, docks, airports, shopping malls, offices, etc. Spray various liquids, emulsions and soluble powders. After spraying soluble powder, the pump and nozzle should be cleaned in time.

MACHINE SPECIFICATIONS

- Includes 12V rechargeable lithium battery with a 3.5 hour run time.
- 2.1 Gallon refillable tank capacity will cover 15,000+ square feet per tank.
- Weights 7.5 lbs. empty
- Use either the convenient handle for easy transport, or adjustable backpack straps for comfortable portability.
- Includes 3 nozzles and 1 wand for up to 40” reach.

ASSORTED NOZZLES

