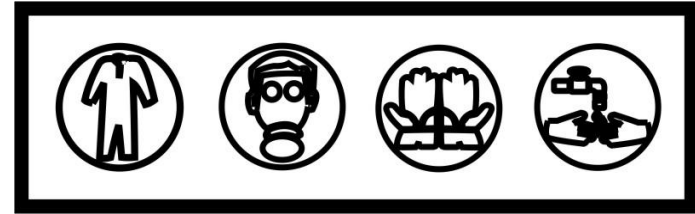


16L air-sending multifunctional electric
electrostatic sprayer

user's Guide

(ionized ground type)

Description of safety warning signs



Protective clothing/gas mask/long gloves/cleaning

Special Note

Due to the use of the latest invented technology, protective gloves can be worn when operating the machine without affecting the surrounding absorption effect of spray.

Factory number:

Inspector number:

manufacturing time:

Warranty Card

buyer		Purchasing date	
model		manufacturing number	
Cell phone			
address			
note			

Maintenance records

Repair date	cause of issue	situation	Maintenance person's signature

Note: Please keep the purchase certificate for easy checking.

Warning: If the drug solution overflows from the mouth of the barrel, and wet the outer surface of the barrel and the clothes and body of the operator, it will easily lose the electrostatic adsorption effect and cause the phenomenon of poisoning and 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 the soluble powder is sprayed, the pump and nozzle should be cleaned in time, and charged after the operation. Keeping the spray bar tightly connected and the surface of the barrel dry and clean is very important to ensure the safe operation of the sprayer and the electrostatic adsorption effect and comfortable control. When using the air gun for spraying, be sure to turn on the air gun motor before starting the water pump for spraying; when turning off the air gun, you should first cut off the power of the water pump and then cut off the power of the air gun, so as to prevent moisture caused by the inside of the air gun. The damage of the motor and the deterioration of the electrostatic adsorption effect and the occurrence of high voltage leakage.

Never use liquids that are corrosive to plastics and metals to avoid damaging important parts such as the storage tank, water pump, and nozzle. This machine cannot use wettable powder. Electrostatic sprayer refers to a sprayer that can cause the sprayed droplets to produce a significant electrostatically surrounded adsorption effect on the target.

3JWB-16A air-sending multifunctional electric electrostatic sprayer is a kind of electric sprayer with static electricity on the back of the backpack. The sprayer combines many advantages such as electric spray, low-volume spray, air-blast spray and electrostatic spray. It has the advantages of saving pesticides, saving water, reducing pollution, excellent effects, light body, wide range, increased efficiency, reduced body consumption, agricultural A series of advantages, such as cost reduction, are ideal high-efficiency plant protection and killing equipment in the field of modern plant diseases and insect pest control and

sanitation and epidemic prevention and disinfection and insecticide. .

Safety and operation precautions

1. Must 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 used pharmaceuticals to avoid poisoning accidents caused by direct 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 the machine is used, the interior of the storage tank and the spray system should be cleaned with water and wiped clean, and then placed in an appropriate place in the room for proper storage. Cleaning method: After spraying the liquid medicine, pour clean water into the storage tank and spray it for 15 seconds after turning on the machine. 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 prevent the motor, battery and electronic components from being damaged 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 in a clean and dry state. It is forbidden to make limb contact with other people during operation, and it is forbidden to touch the boom and the charging socket of the barrel during operation.
6. Please note that if an alarm sounds in the machine (lead-acid battery), 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.
9. When using pesticides, follow the safety instructions provided by pesticide manufacturers.
10. Due to the high humidity and high water vapor in the greenhouse, please do not store the machine in the greenhouse, so as not to damp the electrical circuits in the

machine, affect the electrostatic adsorption effect of the spray and produce static 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 liquid electrolyte with one polarity of static charge, and at the same time, the target is charged with another polarity of static charge through technical means. The medicinal liquid with a kind of polar static charge is squeezed and sprayed directly from the fine nozzle hole after being pressurized by the diaphragm pump, or the mist drops are sent to the distance through the air gun. Under the combined action of external force and electrostatic force, the sprayed tiny droplets with one kind of polar static charge directly run to the front and back of the crop (target) with another kind of polar static charge and are stalked by the crop. The leaf is firmly absorbed, so as to achieve the purpose of efficient disinfection, insecticide and sterilization.

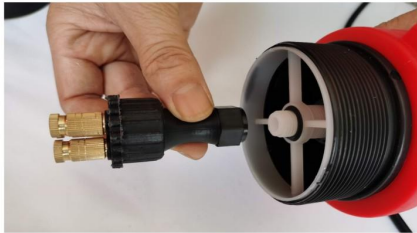
Scope of application

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, foliar fertilizers, etc., and can also be used for sanitation and epidemic prevention and the disinfection of environments such as factories, warehouses, stations, docks, hotels, high-speed rails, airports, farms, and livestock. Sterilization and extermination, can easily spray all kinds of water, emulsion and soluble powder. After spraying soluble powder, the pump and nozzle should be cleaned in time.

Technical parameters

Size(mm)	380 × 190 × 540	Working speed	3000-15000m ² /h
Machine net weight (kg) (Including battery)	5.6 (lead acid battery)	Spray range	Around 2.5 meters (spray boom swing) about 6 meters (wind gun swing)
	4.1 (lithium battery)		
Tank capacity (L)	16	Continuous working time after a full charge	(Spray boom) about 6 hours (Spray gun) about 1.5 hours
Operating Voltage(V)	12	Fog droplet median diameter	40-90 um
Working pressure(MPa)	0.15-0.4	Spray flow	About 4-12 L/h
battery capacity	12V 8-18aH	Static generator output voltage	15-30KV
Charger input / output voltage(V)	AC110- 240 / DC12-14.8	Air gun Net weight	1.5KG

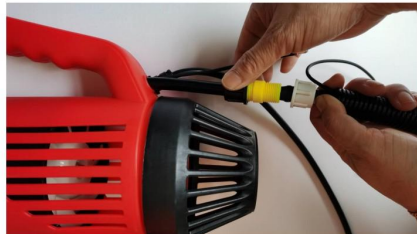
Instructions For Air Gun



1. Tighten nozzle head on gun tip to install the the three nozzles



2. Install the protective cover



3. Tighten the pipe of the spray gun to the outlet pipe of the sprayer



5. Turn on the air gun power switch



4. Connect the power adapter of the air gun to the socket on the sprayer



6. Turn on the sprayer power switch

Handle Connection Instructions



1. Tighten one end of the handle to the spray hose of the sprayer



2. Tighten the connection between the spray rod and the handle



3. Turn on the power switch of the sprayer



4. When spraying, hold the handle and press the flow switch



5. Turn off the power switch after spraying

How to use

1. Reference method for dispensing: firstly pour in appropriate amount of water at a rate of about 3 liters / mu, then refer to the instructions of the pesticide packaging, subtract about 60% of the indicated amount of drug per acre, fully dissolve and filter, then pour in Inside the bucket, wipe off the water on the outside of the bucket, and spray it after closing the lid tightly. However, the liquid added to the barrel must be fully filtered, otherwise it will cause clogging of the nozzle and affect the normal spray operation and prevention and control effect. The specific dosage of liquid medicine and water can also be adjusted according to the speed of each person and the height and density of the crops. Some should also be determined by the relevant technical personnel. When handling pesticides, follow the safety instructions provided by the pesticide manufacturer.
2. Operation sequence: Tighten the lid of the barrel after dispensing, hold the liquid storage barrel on the back, hold the handle of the spray rod, and then turn on the main switch of the barrel base to spray the spray head toward the crop. When the air gun is sprayed, the air gun switch should be turned on first, and then the barrel base switch. After spraying, the base switch of the barrel should be turned off first, and then the air gun switch should be turned off.
3. Spraying method: when spraying, start from the upper wind head of the field, so that the spray head is located in front of the side of the lower wind head of the human body, so that the pesticide is sprayed while walking forward along the wind direction, so that the sprayed fine mist falls and adsorbs with the wind On the crops to avoid human pollution. When spraying, you can walk at a speed of more than one step per second. When spraying the spray bar, the spray width (including shaking) is about 2.5 meters. For example, if you walk a distance of 300-400 meters every 10 minutes, it is an acre of land. When air-blast spray is used, the efficiency is higher. The height of the nozzle from the crop can be adjusted between 0.2 m and 0.5 m to avoid re-spray and miss-spray. It is forbidden to spray crops repeatedly to avoid over-medication of crops.
4. Grounding device: In order to strengthen the electrostatic adsorption effect of the spray, the machine is equipped with an ionized air grounding electrode on the body.

During operation, the charge is conducted by air ionization to enhance the electrostatic adsorption effect.

5. Spraying time: During the hot summer season, the effect of spraying before 11 am and after 2 pm is better (the greenhouse operation is not limited to this). However, in windy weather, the direction and range of the medicine fog may be difficult to control due to the influence of the wind. Therefore, it is not suitable for use. It is not suitable for use in rain and snow and thick fog. The ambient temperature of this machine is above 0 ° C to below 40 ° C.

After-sales service

This machine leaves the factory after being strictly inspected and qualified, and implements quality "three guarantees". For example, if the new machine finds quality problems that affect the normal use before being replaced, the new machine will be replaced; if the quality problems are found after use, the county-level agent seller is responsible for providing maintenance services, or you can directly contact the factory.

warranty scope

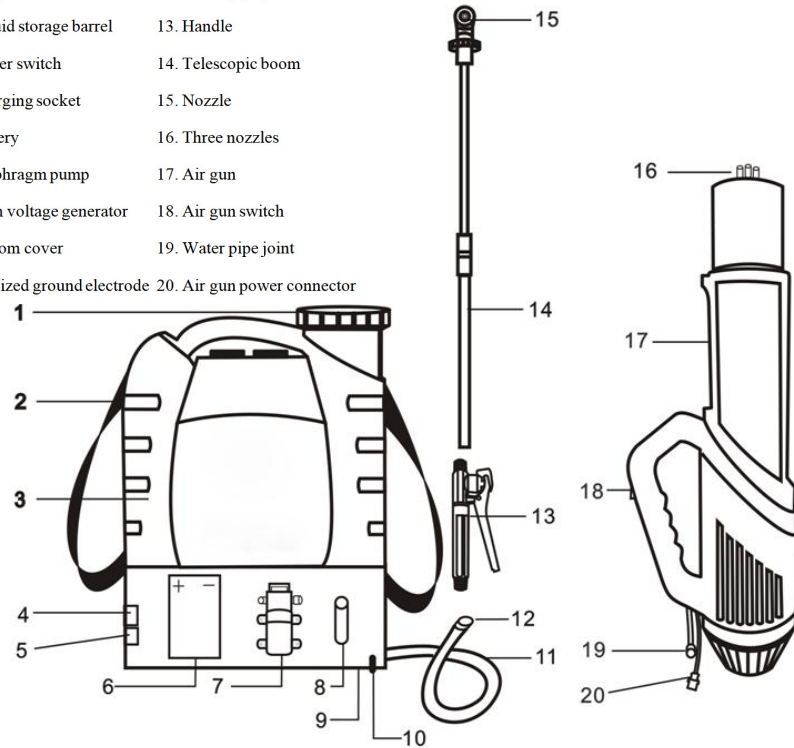
1. In addition to wearing parts, the whole machine is guaranteed for one year, and the main parts are guaranteed for one year. The main components include: battery, charger, high voltage generator, water pump. The wearing parts are guaranteed for one month. The wearing parts include: windshield, sealing ring, spray rod, nozzle, etc.
2. The battery is shortened or damaged due to over-discharge or failure to charge and maintain in time after use, and does not enjoy free warranty; the charger is not entitled to free warranty for damage caused by improper storage and use and external forces; Damage caused by corrosion liquid immersion and chemical impurities will not be covered by the free warranty.
3. If you need to repair, you can go directly to the repair point designated by the dealer to repair with the warranty card number. If the warranty card is lost, it will not enjoy the free warranty provided.
4. If it is damaged due to human reasons during the warranty period, the maintenance

personnel can charge the maintenance cost.

5. Other projects are strictly implemented in accordance with the relevant provisions of the national product quality "Three Guarantees".

Product Structure

- | | |
|------------------------------|-------------------------------------|
| 1. Bucket lid | 11. Explosion-proof insulation hose |
| 2. Strap | 12. Outlet pipe joint |
| 3. Liquid storage barrel | 13. Handle |
| 4. Power switch | 14. Telescopic boom |
| 5. Charging socket | 15. Nozzle |
| 6. Battery | 16. Three nozzles |
| 7. Diaphragm pump | 17. Air gun |
| 8. High voltage generator | 18. Air gun switch |
| 9. Bottom cover | 19. Water pipe joint |
| 10. Ionized ground electrode | 20. Air gun power connector |



Schematic diagram of 16L air-sending multifunctional electrostatic sprayer

Packing List

No.	item	unit	qty	note
1	Sprayer machine	pcs	1	
2	charger	pcs	1	
3	Instructions	pcs	1	With warranty card
4	Single nozzle (with hood)	pcs	1	Electrostatic spray
5	Double nozzle	pcs	1	Electrostatic spray
6	Boom O-ring	pcs	2	
7	Nozzle sealing flat washer	pcs	2	
8	Telescopic boom	pcs	1	
9	Cluster adjustable nozzle	pcs	1	
10	Air gun	pcs	1	
11	Fine mist 3 nozzle	pcs	1	Use with air gun