

VIVOSUN

Handheld Garden Sprayer

Designed by **VIVOSUN** in California
Made in P.R.C



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Product Assembly

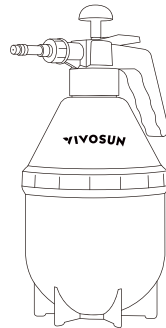


Notes

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/ CONTENTS /

1. Principal Functions.....	2
2. Structure, Operating Principles, and Features.....	2
3. Precautions	4
4. Operating Instructions.....	8
5. Cleaning and Maintenance.....	9
6. Storage.....	10
7. Troubleshooting	11

This manual is a part of the Pressure Sprayer unit. Please read this entire manual carefully before operating the unit to avoid bodily injuries and retain it for future reference.

1. Principal Functions

This product is one of the compression sprayers developed by this company. It is economical, safe, and highly efficient. It has a simple structure, operates conveniently, and sprays uniformly. The sprayer has horticulture, insect control, cleaning, and hygienic applications.

2. Structure, Operating Principles, and Features





Structure: The sprayer consists of two major units: one tank and a pump (including an air pump, a handle and a piston)




Principles: The pumping handle moves up or down to enable the compressed air to enter the tank. This produces a pressure difference between the inside and the outside of the tank, which drives the chemical into the tube and spraying rod.




- Features:**
1. The design is elegant, simple, and allows users to operate the spray conveniently without worrying about leakage.
 2. The sprayer comes with a trigger switch, which controls leakage and allows the user to flexibly operate the spray.
 3. Made of high-quality materials to ensure that the spray is resistant to acids, bases, and corrosions. The product is well-sealed and durable.

The BBA approved pesticide is applicable for this sprayer.

3. Precautions

Hazards	
	Please read this entire manual carefully and follow the instructions to properly operate the pressure sprayer.
	The user should wear a mask, operation hat, protective clothing, waterproof gloves, and rubber boots while operating the sprayer.
	Keep the sprayer out of the reach of children. When disposing of pesticides, please follow the safety instructions published by the manufacturer.
	In the case of inhalation: immediately leave the vicinity and lie down in a well-ventilated area. If skin comes into contact with the pesticide, immediately rinse the skin with water. In the case of ingestion, induce vomiting with clean or salt water and go to the hospital as soon as possible.

Hazards	
	Do not spray at humans or animals. Do not operate against the wind.
	Keep the residual chemical in a container. Do not pour the residual chemical onto the field, ground, or rivers. Collect the empty bottles and bags and send them to the manufacturer for proper disposal, or bury them deep in barren land with low rainfall levels and far away from living areas and water sources.
	Do not dispense pesticide if fatigued, in poor health, injured, allergic to pesticide, or pregnant. Do not consume alcohol immediately after using the spray.

Hazards	
	Do not use strong acids, alkaline, or other inflammable solutions. Do not use highly toxic or persistent pesticides on crops, vegetables, fruits, and medicinal or tea leaves. The harvesting time should be long after the application of the pesticide.
	Avoid exposure to heat sources and the sun.
	Do not leave the sprayer unattended in a public place. It may pose a risk to public safety.

Precautions



Do not put chemicals over 40°C into the sprayer.



Perform a trial spray with clean water before operating to check for possible leakage in the tank, hose, switch, and spraying head.



Follow the instructions and formula published by the pesticide manufacturer when preparing the chemicals for use. Unauthorized altering of the formula or dilution rate is prohibited, as it may endanger the user and animals or result in pest control failure.



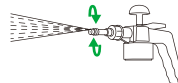
Change clothes and wash exposed parts of your body after operating the sprayer. In the case of using highly toxic pesticide and germicide, the user should shower after operation to ensure their safety.

4. Operating Instructions

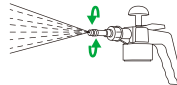
Adjust the spraying head



Pump 15-20 times per use.



Tightened Nozzle
"shower" spray



loosened Nozzle
"watercolumn" spray

5. Cleaning and Maintenance

After use, please wash the surface of the sprayer in an appropriate cleaning site. Add clean water to the tank. Then, pump and spray the water until the drainage (i.e., water flowing out) becomes clean.

Please clean the sprayer head with water. Never use a hard object to remove impurities inside the sprayer nozzle. Lubricate the O-ring of the spray head after cleaning.

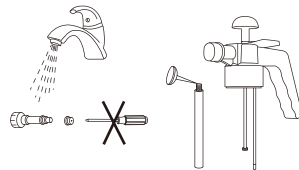
After using the sprayer continuously for a period of time (i.e., ½-2 months), coat the O-rings on the safety valve and the piston with Vaseline or a lubricant with low viscosity. Follow this same step if the sprayer has been in storage for a long time.

The compression sprayer requires occasional maintenance, such as:

1. After a 1- or 2-month period of frequent use;
2. After a prolonged period without being used;

Proper maintenance:

Use a low viscosity grease to lubricate the O-rings on the safety valve and on the piston.



6. Storage

The sprayer should be stored in a dry place indoors and out of the reach of children. Please release the gas in the tank before storing the sprayer.



7. Troubleshooting

Problems	Potential Causes	Solutions
Leakage or poor spraying performance.	<ul style="list-style-type: none">• Seal rings at various joints may be loose or damaged.• The small filter screen of the suction hose may be blocked.• The spray nozzle may be blocked.	<ul style="list-style-type: none">• Tighten or replace it.• Clean it.• Clean and repair it.• Pump to add air pressure.
Extra-high pumping pressure.	<ul style="list-style-type: none">• Insufficient lubrication at the O-ring of the piston.• The pressure of the tank may be too high.	<ul style="list-style-type: none">• Apply grease to the O-ring of the piston.• Cease inflating and check whether the safety valve is blocked or working. Apply lubrication to the safety valve if necessary.

Problems	Potential Causes	Solutions
Extra-low pumping pressure.	<ul style="list-style-type: none">• The O-ring of the piston may be worn or damaged.• The waterproof washer may have come off.	<ul style="list-style-type: none">• Replace the O-ring of the piston.• Repair it.
Spraying air instead of water.	<ul style="list-style-type: none">• The suction hose in the tank may have come off.	<ul style="list-style-type: none">• Remove the nut to empty the residuals in the air chamber. Tightly insert the suction hose into the plastic tube and apply a waterproof adhesive to the joint.