

VEVOR[®]

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AGRICULTURE SPRAYER

KF-60C-1

USER MANUAL

VEVOR[®]

AGRICULTURE SPRAYER
KF-60C-1



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:



CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

SAFETY INSTRUCTIONS

! For your safety and the safety of others, the following precautions must be observed when operating the sprayer:

1. During spraying operation, the personnel shall wear clothes in strict accordance with the regulations, wear masks, glasses, hats, gloves, or protective clothing against pesticide penetration, and shall not work naked.
2. It is strictly prohibited to spray toxic solutions such as pesticides on people or animals during use.
3. Patients with mental illness or serious diseases, drunken people, and people without operation knowledge are prohibited from using this machine. People who have just taken strenuous exercise, have not had a good rest, or have an insufficient sleep, as well as women in the period of lactation, should not be engaged in this work.
4. The operator must wash all parts of the body and clean all kinds of clothing after use.
5. When handling pesticides, the safety instructions provided by the pesticide manufacturer should be followed.

WARNING:

1. Do not leave machines and tools or store them in unattended places. Turn off the power when not in use.
2. Do not disassemble or change this machine.
3. Operators must spray pesticides in front of the wind direction, and shall not work under the high temperature for a long time.
4. Before each use of the battery (including the new machine), please charge the battery for 8-12 hours. When the battery is not charged, cover the charging base tightly to prevent water from getting wet.
5. Try to avoid working without water to avoid damaging the diaphragm of the water pump.
6. Before use, try spraying with clean water to check whether there is water leakage at the base and whether the atomization effect is good. Only when everything is normal can you prepare liquid medicine for the operation.
7. When adding liquid medicine, it must pass through the filter screen. If there are impurities, the normal use of the machine will be affected.
8. If the liquid medicine overflows, please dry it immediately. Battery connectors, electrical

components, and wire connectors shall not be exposed to liquid medicine to avoid corrosion.

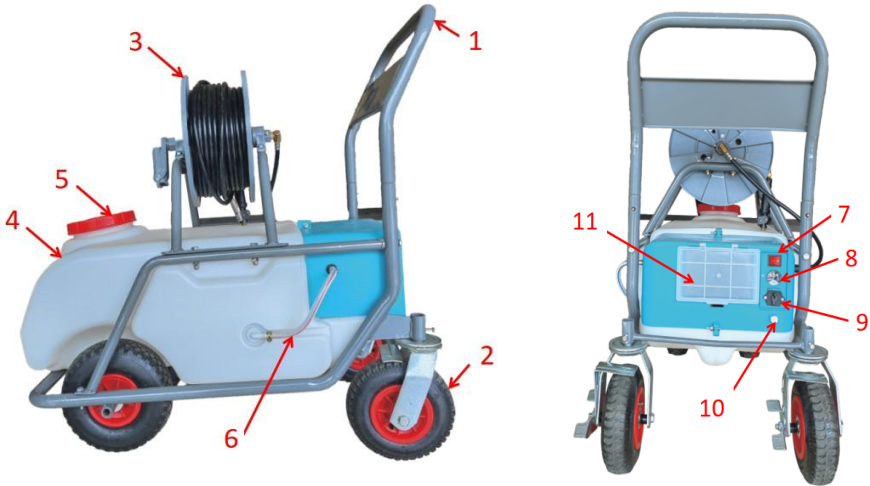
9. Please do not use non-water bath powder, because it cannot be dissolved into the liquid. And the suspended solids in the medicine tank will precipitate at the bottom, causing clogging of the filter screen and pipeline, thus affecting the pump's service life. The use of chemical liquids and special working fluids is prohibited.

10. When the liquor spraying is completed, turn off the power switch or regulating switch first, and then release the injection switch after the pump stops working.

MODEL AND PARAMETERS

Model	KF-60C-1
Capacity	15 Gallons(60L)
Pump	Membrane mini-pump
Pressure	0-90psi
Max. Performance	(4.1±0.3) L/min
Charger	Input: 100-240V ~ 50/60Hz 0.5A Output: DC12.0V,1.6A
Battery	Lead acid battery (DC12V,12Ah)

STRUCTURE DIAGRAM



No	Parts name	No	Parts name
1	Frame	7	Switch
2	Wheels	8	Voltmeter
3	Tube Reel	9	Charger Socket
4	Water Tank	10	Pressure Regulating Knob
5	Water Tank Cover	11	Battery Compartment
6	Water Inlet Pipe		

COMPONENTS



A Frame+Water Tank(x1)

B Front Wheels(x2)



C Rear Wheels(x2)

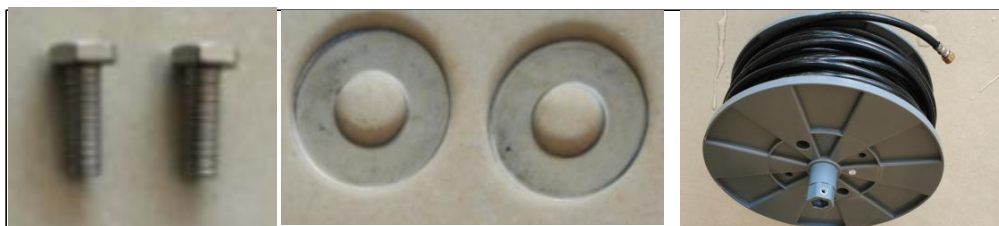
D Wheel Axle(x1)



E R-pin(x2)

F Cap Nut(x8)

G Bolts M8x35(x4)



H Bolts M6(x2)

I Flat Pad(x4)

J Tube Reel(x1)



K Fixed Base(x2)

L Crank Handle(x1)

M Hose (x1)



N Support Frame (x1)



O Handrail (x1)

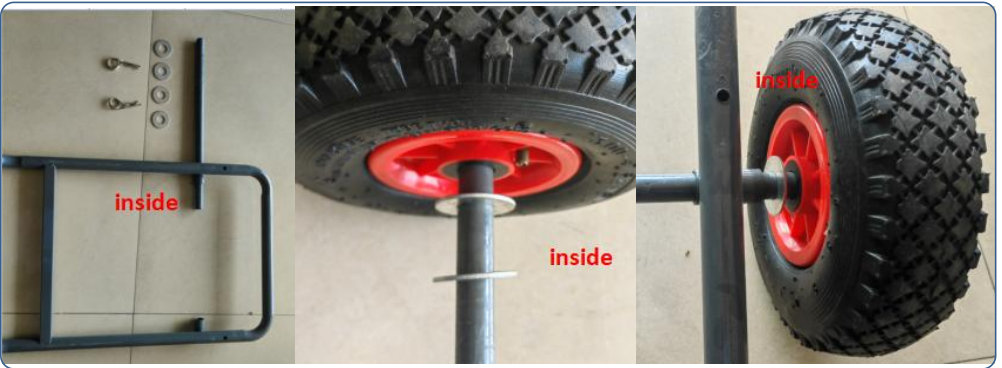


P Bolts M8x40(x4)

ASSEMBLY AND USE



Step 1: Remove the brackets on both sides of the frame and take out the water tank.



(a)

(b)

(c)



(d)

(e)

Step 2: Put the axle through the shaft sleeve (a), put in a gasket and a front wheel (b), then put 2 shims, 1 front wheel and 1 shim in sequence(c+d). Finally, pass through the opposite shaft sleeve, and then put two R-shaped pins into two holes between the front wheels to fix them(e).



Step 3: Install the two universal wheels into the rear wheel (pay attention to the holes of the universal wheels), and fix them with M6 bolts.

Step 4: Reinstall the water tank and install the brackets on both sides(Refer to step 1).



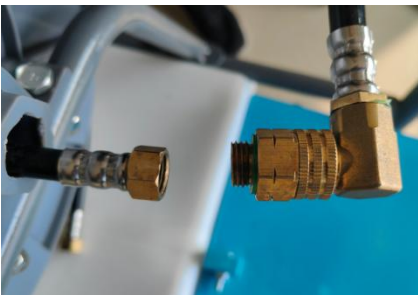
Step5: Fix the support frame(N) with M8x35 bolts(F+G).



Step6: Fix the fixed base with bolt M8x40(F+P)and install the tube reel.



Step 7: Install the crank handle on the tube reel (near the front wheel side) and fix the screws on the shaft.



(a)



(b)



(c)

Step 8: Connect hose (M) to tube reel (J) water inlet, adjust it to a proper length and fix it with bolts on the shaft. Finally, connect the other end of the hose to the bucket (on the right side of the power switch).



Step 9: Install the handle, spray bar, and proper nozzle in turn.

Note:

1. A sealing ring shall be added at the connection between the water outlet and the handle.
2. If water leaks, please check whether sealing rings are added and tightened.



Step 10: Install the pressure regulating knob(Press in by hand).



Step 11: Install the handrail.

Step 12: Installation completed and start to use.

Step 13: After filling the tank with solution, cover it.

NOTE: Add the sealing ring and then tighten it to prevent water leakage!

Step 14: Instructions



A. Turn on the switch. ("1" means to turn on the power, and "0" means to turn off the power)

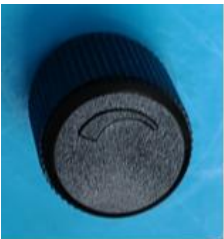
B. Description of the voltmeter:

Yellow Light "L": The battery is insufficient and needs to be charged.

Green Light "N": Sufficient power, can be used normally.

Red Light "H": Abnormal. Stop using and eliminate the problem.

Step 15: Pressure regulation



a). Clockwise rotation increases the pressure. The pressure decreases or stops when rotating counterclockwise.

b). Press and hold the handle to start working and release it to stop working.





c). When spraying for a long time, the handle can be fixed on the ring of the handle.





Step 16: Please clean the spray with clean water, and finally turn off the governor and power supply after use.

Step 17: The red indicator of the charger indicates charging; The green light indicates that the battery is fully charged.

Note: When charging, please turn off the power!

INTRODUCTION AND APPLICATION OF NOZZLE

Model	KF-01D	KF-26E	KF-04D	KF-86E
Picture				
Function introduction	Single-head copper nozzle: provide a small amount of spray, or linear spray (15-20ft), only for telescopic spray bar.	Single-head plastic nozzle: provide a small amount of spray, or linear spray (15-20ft).	Three-end copper nozzle: provide a large amount of spray with a concentrated range.	Three-end plastic nozzle: provide a large amount of spray with a long range.
Note	The pressure knob must be adjusted to avoid intermittent operation of the motor pump when using. (It is normal if the indicator light does not flash or the motor pump works continuously.)	The pressure knob must be adjusted to avoid intermittent operation of the motor pump when using. (It is normal if the indicator light does not flash or the motor pump works continuously.)	/	/

Model	KF-104E	KF-06E	KF-56E	KF-23E
Picture				
Function introduction	Windproof nozzle: equipped with a protective cover to reduce the impact of wind on spray.	F-type double nozzle: provide medium spray effect.	Y-type double nozzle: provide medium spray effect.	Fan-shaped nozzle: provide 90°~110° plane fan-shaped spray, which is mostly used in scenes requiring control range, such as weeding.

Note	/	/	/	<p>The pressure knob must be adjusted to avoid intermittent operation of the motor pump when using. (It is normal if the indicator light does not flash or the motor pump works continuously.)</p>
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INTRODUCTION AND APPLICATION OF NOZZLE

Problem	Reasons	Solution
The motor does not start after the power is turned on	The power connection wire falls off	Check the connecting wire and plug the connector
	Battery is dead	Use after charging
	The power switch is off	Switch on
The motor makes abnormal noise	The fixing screws of the water pump are loose	Check and tighten the screws of the fixing feet of the water pump
Water leakage of substructure	Water inlet/outlet pipe of water pump is loose and cracked	Open the base, check whether the internal water pipe is loose or broken, and tighten or replace it
Spray bar shake	Overpressure/Nozzle too small	Reduce the pressure/Replace the proper nozzle
Poor atomization	Nozzle is worn or blocked	Replace the nozzle /Disassemble the nozzle and clean each part
	Nozzle accessories are installed incorrectly	Install according to the correct installation method
	The filter screen is blocked	Clean the filter screen in bucket
	Connecting pipe leaks	Tighten or replace the water pipe
	Insufficient battery power	Charging (The voltmeter indicator light is yellow when the battery is low)
	Water pump blocked	Remove the nozzle and spray water with clean water for 5-10 minutes (the water output will increase and stabilize under normal conditions). If the water output does not increase after 10 minutes, it is recommended to replace the pump.
The nozzle does not discharge water, and the outlet pressure is unstable	Nozzle clogging	Remove the nozzle for cleaning
	Water pump blocked	Dismantle the water pump cover and remove foreign matters
Water pump does not work	Wiring problem/water pump damaged	After eliminating the problems of electric wires and waterways, contact the merchant to purchase a new water pump, and replace the water pump under the guidance of the merchant.
Unable to charge	Charger cable open circuit	Reconnect the disconnected wire

	The battery is broken (the charger indicator is green, but the spray cannot be used)	Open the battery cover, take out the battery, and replace it with a good one. The black wire is connected to the "-" pole, and the red wire is connected to the "+" pole. (Note: Before removing the battery, please take a picture of the line with your mobile phone and install it back according to the original route to avoid mistakes).
	The charger is broken (the charger indicator does not light up or the spray still cannot be used after charging for 10 minutes)	Contact the merchant, inform the product model, and purchase a new charger

CLEANING, CARE AND STORAGE RULES

Cleaning and care:

After operating the sprayer, remove the working solution from the tank completely and rinse the tank, hose, pump, and spray tube with clean water. Finally, spray with clean water for 3 minutes to eliminate the possibility of a chemical reaction when other chemicals are used in the next spraying. Residues of chemicals can lead to corrosion and other damage to parts of the sprayer especially spraying nozzles, filters, and seals.

Storage rules:

- Keep the sprayer in a dry, cool, and out-of-way place for children.
- It is forbidden to store the sprayer near an open fire.
- To prevent damage to the pump and other parts, it must be washed and dried before storing the sprayer in winter. Clean the surface of machines and tools, filter screen, and nozzle, and dry them in the air. Do not put them directly in the sun.
- Before storage, the battery must be fully charged. During the storage period, you need to charge your battery regularly with an adapter (at least once every 2 months).
- Keep the adapter in a dry place.

Manufacturer: TAIZHOU KAIFENG PLASTIC&STEEL CO., LTD.

ADD: NO.819 SOUTH ROAD OF JIUTANG, SANJIA JIAOJIANG DISTRICT, TAIZHOU,
ZHEJIANG, CHINA

MADE IN CHINA

VEVOR[®]

E-mail: CustomerService@vevor.com