KNAPSACK SPRAYER

IFOURNI®
Agri Machinery

USER MANUAL

& OPERATING INSTRUCTIONS

16 LITER

"STRONG TOOLS FOR BETTER HARVESTS"



IFOURNI TECHNOLOGY CO.,LTD
Website: www.ifourni.com

THANK YOU FOR YOUR TRUST IN US.
PLEASE READ THIS INSTRUCTION
CAREFULLY BEFORE USING THE SPRAYER.

IFOURNI®
Agri Machinery

Customized PRODUCT SOLUTIONS

ODM OEM / PROFESSIONAL MANUFACTURER

LCL (LESS THAN CONTAINER LOAD) SERVICES

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Why choose us

-Tank：Made of PP material; Net weight 1.3kg; Pass a 1.2-meter drop test when full of water; Color customization.
-Chamber：Equipped with a built-in stainless steel ball; Withstand a 12 kg burst pressure test; Better sealing performance.
-Water Level Line：Transparent water level line; Dual capacity markings (liters and gallons).
-Straps: Adjustable straps; Thick padding; Providing a comfortable carrying experience.
-Lever：Weighs 800g; With an ergonomic curved design; More effortless
-Lance：304 food-grade stainless steel; Corrosion-resistant, high and low temperature tolerance, environmentally friendly; easy to clean; Equipped with eco-friendly sealing rubber ring.
-Handle：Features with a fluorine rubber ring; Resistant to acids, chemical corrosion, and aging.
-Filter: Net weight 36g ; 10 cm deep; Reinforced mesh.
-Hose：135cm black rubber hose; Rated to pass a 16 kg pressure test; Equipped with a threaded protective joint to prevent deformation.
-New Agitator: Improved from the original single function, the new one allows for easy removal and installation of the tank screws; Four water flow holes added to the bottom. Moves up and down with the chamber, enhancing liquid flow rate.
-Safety Protection: A full set of protective items, including gloves, a pair of goggles and N95 masks.

1.Straps Installation



2.Lever Installation

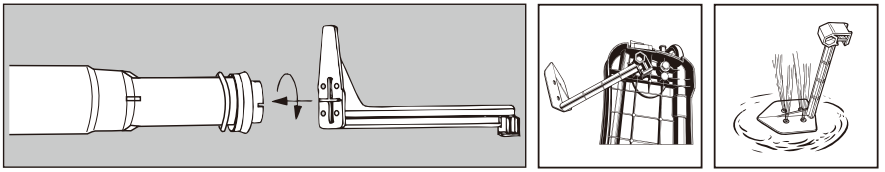


Handle, Hose, Lance & Nozzle Installation



Inspection： Check all connection parts for tightness, ensure sealing are intact, and rocker moves smoothly.
Pressure Test: Fill with clean water, pressurize, and check all connections for leaks.

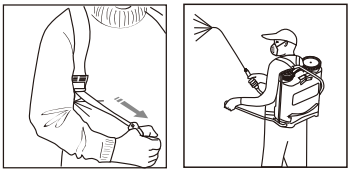
3.Multifunctional Agitator: Accelerates liquid mixing, disassembles the cylinder, removes the chamber sealing valve.



4.Wearing of protective items.



5. Carrying and Pressurizing



• Put the sprayer on the back and adjust the straps.
• Operate the lever about 4-8 times to pressurize. When feel the resistance gradually increase, start spraying.
• Turn on the handle to start spraying. Keep the lever moving back and forth at a constant speed to maintain stable pressure.
• Maintain an appropriate distance between the nozzle and the target (usually 30-50cm) and spray evenly. Four nozzles are provided for different situations.

6.Operation complete.

• Turn off the handle.
• Lower the lever to the lowest position to release residual internal pressure.

7.Male-to-Male Thread Adapter.



Enables a male-thread spray lance to connect to a male-thread spray nozzle.

Congratulations!

You have purchased the new IF-16C-1 PLUS sprayer. We are confident this device will meet your full satisfaction. To continuously improve our products, we reserve the right to make changes to our devices without prior notice. Therefore, the text and images in this manual may slightly differ from the actual device provided.

I.Safety Precautions and Warning Signs

1.General:

Operators must be trained and familiar with operating procedures. Children, the elderly, and those feeling unwell are prohibited from operating the equipment.

2.Personal Protection:

- Must wear: Protective gloves, mask, goggles, long-sleeved shirt and pants.
- Recommended: Waterproof apron, rain boots.

3.Operational Environment Safety:

- Do not operate or store near high temperatures or open flames.
- Do not use when there is strong wind to prevent chemical drift.
- Do not use smoke, eat, or drink during operation.

4.Chemical Use Safety:

- Prepare chemicals strictly according to the pesticide label instructions. Do not mix incompatible chemicals.
- Use dedicated tools to measure chemicals, avoid direct skin contact.

5.Equipment Safety:

- Always check all connections for leaks before use.
- Do not use the spray on person, animals, food, or water sources.
- Do not exceed the specified pressure to prevent bursting.

6.Post-Use Handling:

- After operation, the operator must thoroughly wash exposed areas like hands and face.
- Dispose of leftover chemicals and rinse water properly to avoid environmental contamination.

II.Product Introduction and Component List

Product Overview:

This product is suitable for pest control, foliar fertilization, etc., in farmlands, orchards, greenhouses, etc. It is lightweight, durable, and provides stable pressure.

III. Technical Specifications

- Tank Capacity: 16 liters (L)
- Working Pressure: 0.2-0.4 MPa
- Net Weight/Gross Weight: 3.46 kg / 4.37 kg
- Tank Material: PP
- Side: Transparent water level line with dual capacity scales (liters and gallons).
- Lance: 304 Stainless steel lance

IV. Maintenance and Care

1. Accessory Package:

- 3 Opaque Synthetic Seal: 1 black, 1 white, and 1 transparent.
- 4 Nozzles: IFOURNI micro nozzle, stainless steel plate adjustable nozzle, cone nozzle, and fan nozzle. 1 yellow nozzle plate (different flow rates, interchangeable with the cone and fan nozzles).
- N95 mask, gloves, goggles: Full set of protective items for safer use.
- 100 ml cup, 3 eco-friendly gaskets (for spray lance), 3 bottom bushings.
- The rich nozzles are suitable for most geographical environments and situations. Other accessories in the accessory package provide for daily wear and tear, allowing timely replacement without affecting production schedules.

2. Daily Maintenance (After each use):

- Cleaning: Pour in clean water, shake and spray out, repeat 3-4 times.
- Drying: Open the tank cap, invert and air-dry all parts.
- Storage: Store in a cool, dry, ventilated place out of children's reach.

3. Long-Term Storage:

- Apply a few drops of oil to all moving parts (e.g., lever connection points, handle valve core).
- Remove, clean, and store nozzle plates separately.
- Keep springs in a relaxed state.

4. Regular Inspection:

Periodically check seals, cups, and other wear parts. Replace if aged or worn.

V. Common Faults and Troubleshooting

Fault 1: Lever is heavy or cannot be pumped?

Causes: ①Water outlet valve clogged. ②Opaque synthetic seal shrunk or damaged.

Solutions: ①Clean the water outlet valve. ②Soak in oil or replace to a new one.

Fault 2: Insufficient pressure, poor atomization?

Causes: ①Seal leakage.②Inlet valve doesn't work.

Solutions: ①Tighten or replace the seal. ②Check or replace the inlet valve ball.

Fault 3: Nozzle drips or atomizes unevenly?

Causes: ①Nozzle plate clogged.②Nozzle plate worn.

Solutions: ①Clean the nozzle plate.②Replace with a new nozzle plate.

Fault 4: Leakage at the tank connection?

Causes: ①Tank cover not tightened.②Seal missing or damaged.

Solutions: ①Tighten the tank cover.②Install or replace the seal.

VI. Warranty and Service. The sprayer requires almost no maintenance.

1.After use, ensure the tank has been rinsed and emptied.
2.Ensure all hose connections are tight and leak-free.
3.Regularly clean all filters. Do not forget the filter in the trigger. After cleaning and before reinstalling the filter to the trigger, apply a small amount of petroleum jelly to the O-ring. For any special issues, please contact your dealer.

Please Note!!! We are not responsible for warranty coverage for damage caused by any of the following reasons:

- Failure to comply with usage instructions.
- Failure to perform required maintenance and cleaning.
- Normal wear and tear.
- Use of non-original spare parts.
- Damage caused by poor storage conditions.

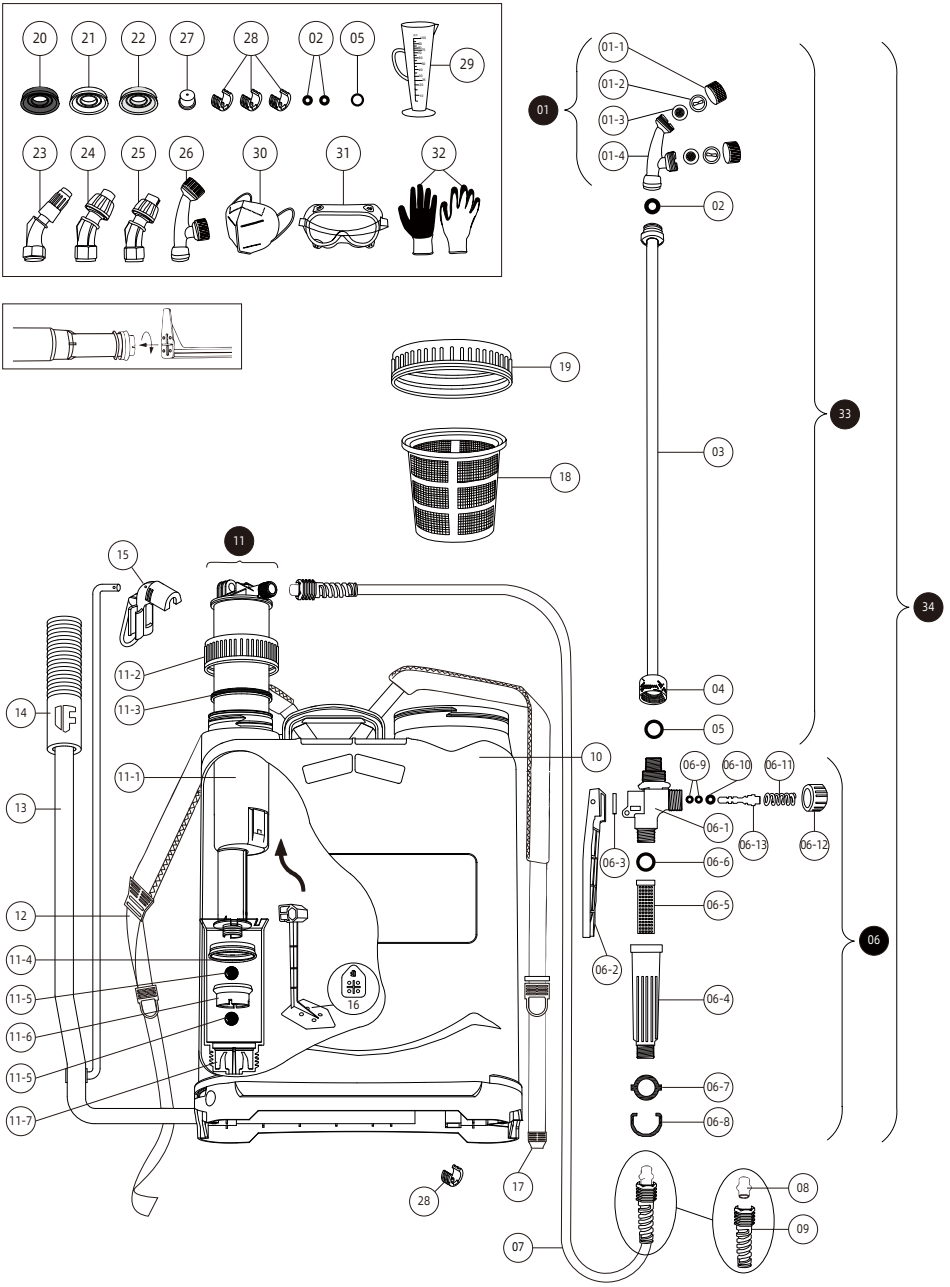
Cleaning, maintenance, and adjustments are not covered under warranty. Warranty service must be performed by an authorized agent.

⚠ **Special Note**

This version is the most advanced version of the sprayer.
Suitable for all types of knapsack manual sprayers.

VII. Appendix: Product Structure

01	COMPLETE ELBOW	11-2	GUIDE LID
01-1	Stainless steel nozzle cap	11-3	Locking washer
01-2	Micro nozzle plate	11-4	OPAQUE SYNTHETIC SEAL
01-3	Filter gasket	11-5	STAINLESS STEEL BALL
01-4	F-type nozzle - nozzle body	11-6	SEALING VALVE
02	Lance sealing gasket(small)	11-7	CYLINDER WITH BALL
03	304 Stainless Steel Lance	12	STRAP
04	Stainless steel nut	13	Complete lever assembly
05	Lance sealing gasket (large)	14	GRIP
06	Complete switch assembly	15	Rocker hook
06-1	Switch connector	16	AGITATOR
06-2	Switch Grip	17	STRAP WITH HOOK
06-3	Switch grip pin	18	TANK FILTER
06-4	Black grip	19	TANK COVER AND VALVE
06-5	Switch internal filter	20	Black rubber seal
06-6	ROUND GASKET AN-14	21	White rubber seal
06-7	Switch lock/hanging ring connector	22	Transparent rubber seal
06-8	Switch lock	23	Adjustable nozzle
06-9	Switch needle seal ring (small)	24	Cone nozzle
06-10	Switch needle seal ring (large)	25	Fan nozzle
06-11	FILTER SPRING	26	Micro nozzle
06-12	Switch needle fixing cap	27	Yellow cone nozzle plate
06-13	Switch needle	28	BASE BUSHING
07	COMPLETE HOSE	29	100 ML DOSER
08	HOSE BUSHING	30	N95 mask
09	Thread protection sleeve nut	31	Goggles
10	16 L.TANK	32	Adhesive gloves
11	COPMPLETE CHAMBER	33	PIPE WITH BUSHING
11-1	PRESSURE CHAMBER	34	COMPLETE LANCE


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IFOURNI
PRODUCT RANGE

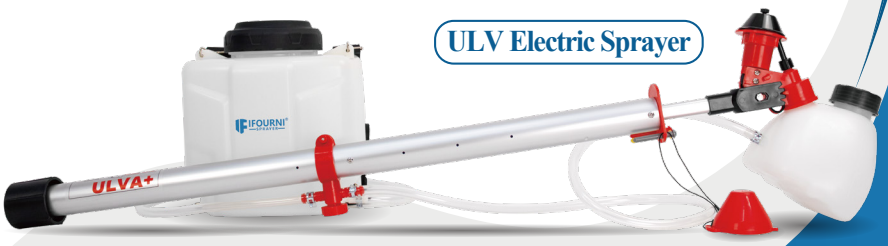
Electric Sprayer



Power Sprayer



ULV Electric Sprayer



CE FC ISO UK CA RoHS

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IFOURNI PRODUCT RANGE

Hand Push Seeder



Mist Blower





Backpack Fertilizer Applicator

CE FC ISO UK CA RoHS

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