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## RYOBI P2830

# RYOBI 18V ONE+ 2 Gallon Garden Sprayer User Manual

Model: P2830 | Brand: RYOBI

## INTRODUCTION

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This manual provides detailed instructions for the safe and effective operation, maintenance, and troubleshooting of your RYOBI 18V ONE+ 2 Gallon Garden Sprayer (Model P2830). Please read this manual thoroughly before initial use and retain it for future reference.

## SAFETY INFORMATION

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**WARNING:** Always follow all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Read and understand all instructions before operating the sprayer.
- Wear appropriate personal protective equipment (PPE) such as safety glasses, gloves, and protective clothing when handling chemicals.
- Do not spray flammable liquids, strong acids, or caustic solutions.
- Ensure the battery is fully charged before use. Always remove the battery before filling, cleaning, or performing maintenance.
- Keep children and pets away from the spraying area.
- Refer to the chemical manufacturer's instructions for proper mixing, application, and disposal.

## PRODUCT OVERVIEW

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The RYOBI 18V ONE+ 2 Gallon Garden Sprayer is designed for convenient and efficient application of various liquids such as herbicides, pesticides, and fertilizers. Its cordless design, powered by an 18V ONE+ battery (sold separately), eliminates manual pumping, providing consistent pressure for extended periods.



Figure 1: RYOBI 18V ONE+ 2 Gallon Garden Sprayer. This image shows the complete sprayer unit, including the main body, tank, hose, and spray wand.

## Key Features:

- **2 Gallon Removable Tank:** Easy to fill and clean.
- **On-Board Measuring Cup:** Integrated into the tank for precise mixing.
- **Adjustable Spray Nozzle:** Allows for various spray patterns from fine mist to solid stream.
- **Sturdy Wand:** Detachable for comfortable one or two-handed operation.
- **Cordless Operation:** Powered by RYOBI 18V ONE+ battery (sold separately).

## SETUP

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### 1. Attaching the Spray Wand:

1. Uncoil the hose from the sprayer unit.
2. Connect the spray wand to the end of the hose by twisting it clockwise until secure. Ensure a tight connection to

prevent leaks.

## 2. Installing the Battery:

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1. Ensure the sprayer is turned off.
2. Align a charged RYOBI 18V ONE+ battery (sold separately) with the battery port on the top of the sprayer unit.
3. Slide the battery into place until it clicks securely.

## 3. Filling the Tank:

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1. Unclip the latches on the side of the sprayer to separate the motor unit from the tank.
2. Remove the cap from the tank.
3. Use the integrated measuring cup or external measuring tools to accurately mix your desired solution according to the chemical manufacturer's instructions.
4. Pour the mixed solution into the 2-gallon tank. Do not overfill.
5. Securely replace the tank cap and reattach the motor unit to the tank, ensuring the latches are firmly clipped.



Figure 2: Operating the sprayer in a garden setting. The user is holding the wand and spraying liquid onto plants, demonstrating typical use.

## OPERATING INSTRUCTIONS

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### 1. Powering On:

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- With the battery installed and tank filled, press the power button on the sprayer handle to turn on the unit.

### 2. Adjusting the Spray Nozzle:

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- Twist the brass nozzle at the end of the spray wand to adjust the spray pattern. Turn clockwise for a finer mist and

counter-clockwise for a broader stream.

### 3. Spraying:

- Aim the spray wand at the target area.
- Press and hold the trigger on the wand handle to begin spraying. For continuous spraying, engage the trigger lock.
- Release the trigger or disengage the lock to stop spraying.

### 4. Using the Carrying Strap:

- Attach the included carrying strap to the designated loops on the sprayer unit for easier transport, especially when the tank is full.

## MAINTENANCE

### 1. Cleaning the Sprayer:

1. After each use, empty any remaining solution from the tank.
2. Rinse the tank thoroughly with clean water.
3. Fill the tank with clean water and spray it through the wand until the tank is empty to flush out the hose and nozzle.
4. Clean the exterior of the sprayer with a damp cloth.

### 2. Storage:

- Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures.
- Remove the battery from the sprayer before storing for extended periods.
- Ensure the tank is empty and clean before storage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Sprayer not operating	Battery not installed or discharged.	Install a charged 18V ONE+ battery.
No spray or weak spray	Nozzle clogged; Tank empty; Hose kinked; Battery low.	Clean nozzle; Refill tank; Straighten hose; Charge battery.
Leaking from connections	Connections are loose.	Tighten all hose and wand connections.

## SPECIFICATIONS

- **Model Number:** P2830
- **Brand:** RYOBI
- **Tank Volume:** 2 Gallons (7.57 Liters)
- **Power Source:** 18V ONE+ Battery (Battery Sold Separately)
- **Material:** Plastic
- **Color:** Green

## WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please refer to the official RYOBI website or contact their customer service. Keep your purchase receipt as proof of ownership.