

4 Gallon Backpack Sprayer OPERATOR'S GUIDE

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LITHIUM ION BACKPACK SPRAYER

BATTERY BACKPACK SPRAYER Set up for DIY Lawn Care

Thank you for your purchase of my Yard Mastery 4 gallon battery backpack sprayer. You now have a powerful and flexible tool that will help you make efficient and accurate liquid applications to your lawn.

I've included features in this sprayer that I personally wanted for my own lawn applications. From fertilizers to bio-stimulants, weed control, herbicides, insecticides, fungicides and more, this sprayer will deliver consistent results every time.

With that you will find a powerful pump, stainless wand with quick connects, high end trigger, sleek design (not bulky), comfortable shoulder straps and the included tips are ones that I talk about most often in my content on YouTube.

The included 18V Lithium-Ion battery will deliver up to 2 hours of continuous spraying on a single charge; plenty of spray time for even the largest lawns.

This backpack sprayer is made to my specifications and assembled and tested by SYSTEMS Environmental Products out of Ontario, Canada. They are a great partner and have been making quality spray equipment for more than 25 years.

Thank you, and I'll see you in the lawn!



If you need assistance with the assembly or operation of your backpack sprayer, please do not hesitate to contact us at:



yardmastery.com/sprayerhelp

Yard Mastery _™ - 4 Gallon Sprayer Specifications	
Model number	Yard Mastery
Battery type	lithium-ion
Battery voltage	18V
Battery capacity	2600mAH
Battery charging time	2.5 hours
Battery charger	5V/1A
Pump type	diaphragm
Working time	2 hours
Two Stage Switch	40 - 90 PSI
Max. spray distance	25 feet
Tank capacity	4 gallons

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WHAT'S IN THE BOX?



1. 4 gallon tank	7. Spray wand trigger
2. Tank cap	8. Reinforced high pressure hose
3. Intake filter	9. 18-volt lithium-ion battery
4. Wand holster & bolts	10. Battery charger
5. Backpack straps	11. Adjustable cone, pin stream nozzle, fan tip nozzle and elbow
6. Spray wand lance	

GETTING STARTED

1. Charge the battery before using the first time.



2. Fill the sprayer through the intake filter and secure the cap.

NOTE - Always mix your solution in a separate container before and pour into the sprayer.



3. Connect your spray wand to the high pressure hose.



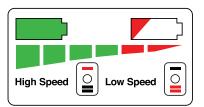
4. Choose the tip best suited to your application and attach the spray wand lance.



5. Attach spray wand lance to high pressure spray gun.



- 6. Turn on the pump by flipping the toggle switch.
- "I" setting runs the pump at 90 PSI.
- "II" setting runs the pump at 40 PSI.



7. Squeeze the spray wand trigger and begin application.



IMPORTANT TIPS

There are multiple tips that come with this sprayer. If you plan to use this sprayer primarily for lawn care, there are two you will want to focus on.

They are the white TeeJet FloodJet tip (TF VP 4), and the red TeeJet 110 degree fan tip.

The white FloodJet tip would primarily be used for making applications of liquids that need to be watered in to get into the soil. This tip produces a larger droplet size which makes watering the liquid into the soil a little more efficient.

Examples of liquids that you would want watered in would be pre-emergent weed control, grub prevention, bio-stimulants such as humic acid and some liquid fertilizers.

You will primarily want to utilize the white Floodjet tip with the low setting on the sprayer that delivers 40 PSI. We do not recommend using the higher setting with the white floodjet tip.



At the low setting, the sprayer output is 40 PSI. At 40 PSI, the white Floodjet tip will allow .8 gallons per minute (GPM) of liquid to flow. At that flow rate, the entire 4 gallon sprayer can be emptied in 5 minutes. (4/.8 = 5)

For more training on how to use this sprayer in relation to flow rates, visit: yardmastery.com/sprayer.

The red TeeJet 110 degree fan tip will primarily be used for applications where you want a smaller droplet size. This smaller droplet size allows for more surface area to be "wetted."

An example would be when spraying weed control, you typically want the spray mix to sit on the leaves and coat them so it can absorb.

Another example would be when applying foliar applied nutrients that can absorb through grass blades. You will typically want a smaller droplet size in this case as well.

We recommend using the 110 degree fan tip with the low setting of 40 PSI on the sprayer.

For more training on how to use this sprayer in relation to spraying with the 100 degree fan tip, visit yardmastery.com/sprayer.

REMEMBER!

AFTER YOU SPRAY

- 1. Rinse the tank with water to remove any traces of the solution that was applied.
- 2. Run water through the sprayer, hose and spray wand tool for 1-3 minutes to flush out any residual solution from theplumbing. Always dispose of rinse solution in accordance with local regulations.
- 3. With the sprayer turned off, drain the hose and spray wand of any excess water.
- 4. Air dry the tank (remove the filter and tank cap).
- 5. Clean the tip.
- 6. Store sprayer in a clean location away from extreme heat or frost. For extended periods of time, recharge and discharge the battery every 2 weeks to maximize battery life.



Never operate the sprayer without liquid as this may damage the pump.



After long periods of inactivity, the battery may require additional charging due to low voltage.



Always follow the chemical label.



Always wear personal protective equipment when neded.



Never spray flammable liquids.



Always keep the sprayer out of reach of children and away from animals.



Always dispose of dead batteries at the proper recycling facilities. Check with your local municipality for more information



Always store the sprayer inside at room temperature to avoid unnecessary damage.



Use only Yard Mastery™ replacement parts from SYSTEMS Environmental Products.