



www.RainmakerSprayers.com

ASSEMBLY AND OPERATING INSTRUCTION MANUAL

18 VOLT LITHIUM ION BACKPACK SPRAYER-4 GALLON

Product# 708910



Please read this manual for instructions and precautions before using this product. Keep this manual and the receipt in a safe place for future reference!

Congratulations on purchasing your new Rainmaker® 18 Volt Lithium Ion Battery Sprayer - 4 Gallon. For your safety please ensure you read this manual before operation. Failure to do so can result in serious injury.

SAFETY INFORMATION

For your safety, follow these precautions when using your Rainmaker 18 Volt Lithium Ion Backpack Sprayer - 4 Gallon (Part # 708910)

Important Safety Guidelines:

PLEASE READ THIS MANUAL COMPLETELY AND FULLY UNDERSTAND ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS UNIT. FAILURE TO COMPLY WITH THE PROCEDURES AND SAFEGUARDS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE! SAVE THIS MANUAL FOR FUTURE REFERENCE AND KEEP IN A SAFE LOCATION.

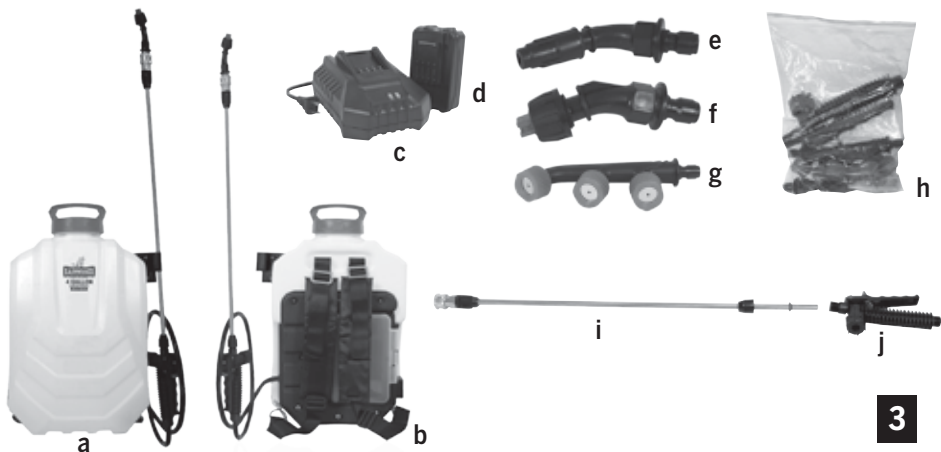
WARNING!

1. The battery charger supplied is intended to be used with the included lithium-ion battery included with this sprayer. **DO NOT** use any other charger to recharge the lithium-ion battery pack.
2. During storage, make sure battery is charged at least once every 3 months to protect battery from damage
3. Charge battery in dry areas only.
4. Plug charger into grounded power source that complies with the electrical specifications. Avoid using an extension cord.
5. **DO NOT** operate charger with damaged power cord.
6. **DO NOT** use if equipment is damaged
7. **DO NOT** try to open or modify lithium ion battery pack, doing so can cause serious injury or damage.
8. Before operating sprayer always use approved eye protection, masks, gloves, clothing and any necessary safety gear.

- 9. Follow all manufacturer instruction and safety instruction when dealing with all pesticides, herbicides, fertilizer and any other liquid chemicals.
- 10. Use only clean water and ensure all contents in the sprayer are fully dissolved before spraying. Failure to do so may result in damage to sprayer or sprayer pump.
- 11. DO NOT use with flammable liquids, gases and powders.
- 12. DO NOT operate the sprayer in explosive atmospheres, such as in the presence of flammable liquids, gases or powders.
- 13. Keep away from children, bystanders and animals.

PARTS LIST

PART DESCRIPTION	QUANTITY
Rainmaker lithium ion battery backpack sprayer - 4 gallon (a)	1
Shoulder straps (b)	2
Rainmaker lithium ion charging station (c)	1
Rainmaker lithium ion battery pack (d)	1
Adjustable conical spray nozzle (e)	1
Fan spray nozzle (f)	1
3-way misting nozzle (g)	1
Parts bag (h)	1
22.5" spray lance with quick connect (i)	1
Sprayer handle (j)	1



LANCE AND HANDLE ASSEMBLY

1. Locate the lance, handle and end of sprayer tubing.



2. Insert tubing into bottom end of handle.



3. Thread plastic nut onto the bottom end of the handle.



4. Insert lance into top end of handle.



5. Thread plastic nut onto the top end of the handle.



6. Your sprayer lance and handle are now assembled and ready for use.



CHARGING INSTRUCTIONS

***Please charge the battery completely prior to use. ***

1. Ensure the sprayer battery charger complies with AC on the main power supply if you are unsure contact your local dealer or qualified electrician.
2. Charge your sprayer indoors **ONLY**.
3. Plug the charging station into power socket. The indicator light on the charging station will show green. (See Figure 1)
4. Slide the battery pack onto the station. (See Figure 2) Once battery is seated properly onto the charger, the indicator light will turn red. (See Figure 3)

When the light stays green your battery pack has been fully charged. (See Figure 4)



Figure 1



Figure 2



Figure 3



Figure 4

***General charging time is about 1 - 1.5 hours.**

OPERATION

Before operating sprayer make sure you use approved eye protection, gloves, masks, clothing and any other necessary safety equipment.

1. Ensure battery has been fully charged prior to first use. Open battery compartment on the sprayer and slide the battery pack on to the socket. Close cover.
2. It is recommended to test the sprayer, using clean water, for leaks in any of the connections prior to adding any solution mix to your sprayer.
3. The Rainmaker® Sprayer includes 3 sprayer nozzles. Choose the spray nozzle which best suits your needs. See page 10 for spray patterns.
 - a. Adjustable conical spray nozzle attachment
 - b. Fan style spray nozzle attachment
 - c. 3 nozzle misting attachment
4. To change spray head, pull down on the female quick connect coupler and insert desired sprayer head into the quick connect. Check the spray nozzle connection is secure. (See figure 5) It is recommended to run clean water through the sprayer to test for leaks prior to adding any solutions.

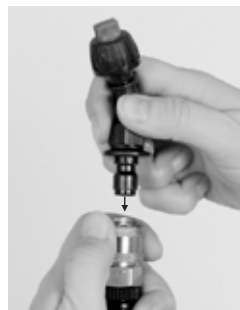


Figure 5

FILLING YOUR TANK

Unscrew cap. Ensure filter is free from dirt and debris prior to filling. DO NOT overfill tank. Screw cap on securely.

SPRAYING

1. To turn on the sprayer simply choose one of two flow rate settings. “I” for low or “II” for high. When sprayer is in the “0” position the sprayer is off. (See Figure 6)
2. Check bottom indicator light. Green light indicates a charged battery. Red light indicates battery needs charging.



Figure 6

Helpful Hint: Having a spare battery allows you to limit down time. When one sprayer is in use, the other can be charging.

3. Point nozzle in safe direction away from people and animals, and never spray against adverse wind.
4. Press down on the switch assembly on the handle to begin.
5. Move at a constant speed and direction to avoid over spraying and/or missing your coverage area.

CLEANING AND MAINTENANCE

CAUTION - DO NOT perform procedures that are not in this manual.

1. Before use, inspect the overall condition of the sprayer. Look for signs of damaged parts, loose parts, dirt, debris or any other signs that would affect safe operation.

DO NOT USE DAMAGED EQUIPMENT

2. After use, clean the external surface of the sprayer with a clean, damp cloth.
3. Flush interior and clean the exterior of the sprayer.
4. Ensure the sprayer wand is cleaned and maintained to avoid clogging or build up.

STORAGE

1. Ensure that all liquids are removed from the sprayer.
2. Store sprayer in an indoor area such as a workshop or a storage shed.
3. Follow all storage requirements for lithium ion battery.
(See Battery Maintenance And Storage)

BATTERY MAINTENANCE AND STORAGE

Please follow all operating requirements.

1. Charge battery after each use. This can help prolong the life of the battery.
2. When storing make sure battery pack is removed from the sprayer and placed in dry location away from children.
3. When storing the battery for extended periods of time ensure battery is around ½ charge. Keep battery in a cool dry place. Always remove battery from sprayer when not in use for extended periods of time.
4. Battery should be charged every 1-3 months to ensure longer life of battery.

WARNINGS

- Battery should always be keep away from high heat and pressure.
- DO NOT let children play with battery.
- DO NOT disassemble battery pack or charger. Doing so will void warranty and can result in serious damage or severe injury.
- Use only the included dedicated charger when charging the battery. Using other charger docks may result in serious damage or personal injury.

WARNINGS, CONTINUED

- DO NOT use battery for any other products.
- DO NOT let battery get wet. Keep dry.
- Please follow all Federal and State Laws when disposing of lithium ion batteries. DO NOT throw in trash or landfills.

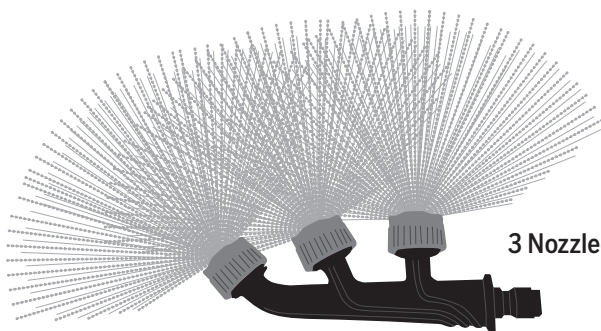
TECHNICAL SPECIFICATIONS

Rated voltage:	DC 18 V
Battery type:	Lithium-ion
Lithium-ion battery capacity:	2150 mAH
Charger/adaptor:	120 VAC , 60 Hz 0.6 A
Charger/output voltage:	21 VDC, 2200 mA
Battery charging time:	1 to 1.5 Hrs.
Working pressure:	58 - 65 psi
Tank capacity:	4 Gallons (15 Liters)
Flow rate:	0.48 Gal/min

SPRAY PATTERNS



Fan Style Spray Nozzle Attachment



3 Nozzled Misting Attachment



Adjustable Conical Spray Nozzle Attachment

LIQUID VOLUME CONVERSION CHART

OUNCES	CUPS	PINTS	QUARTS	GALLONS	LITERS _(APX)
4 OZ	1/2 C	1/4 PT	1/8 QT	1/32 GAL	1/8 L
8 OZ	1 C	1/2 PT	1/4 QT	1/16 GAL	1/4 L
16 OZ	2 C	1 PT	1/2 QT	1/8 GAL	1/2 L
32 OZ	4 C	2 PT	1 QT	1/4 GAL	1 L
64 OZ	8 C	4 PT	2 QT	1/2 GAL	2 L
128 OZ	16 C	8 PT	4 QT	1 GAL	4 L
256 OZ	32 C	16 PT	8 QT	2 GAL	8 L
384 OZ	48 C	24 PT	12 QT	3 GAL	11 L
512 OZ	64 C	32 PT	16 QT	4 GAL	16 L
640 OZ	80 C	40 PT	20 QT	5 GAL	20 L

RAINMAKER® SPRAYER PRODUCTS

In addition to the Pressure Pump Sprayers, Rainmaker® multi-purpose sprayers are available in a variety of other sizes for home and garden use:

32 oz AND 64 oz HAND SPRAYERS



PRODUCT #
708502



PRODUCT #
708500



PRODUCT #
708902



PRODUCT #
708900

1/2 GALLON, 1 GALLON, 2 GALLON AND 3 GALLON PUMP SPRAYERS



PRODUCT #
708908



PRODUCT #
708906



PRODUCT #
708904



PRODUCT #
708898



Scan to learn more about Rainmaker® multi-purpose sprayers for home and garden use or visit:

www.RainmakerSprayers.com