



ASSEMBLY AND OPERATING INSTRUCTION MANUAL

**5 GALLON (20L) BATTERY POWERED
ELECTRIC SPRAYER**

Product# 708900



Front
View



Back
View

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™ 5-Gallon Battery Powered Electric Sprayer. For your safety, please ensure you read this manual before operation. Failure to do so can result in serious injury.

INTRODUCTION

WARNING - Before use please read all instructions thoroughly for proper operation, inspections, maintenance and cleaning instructions. If directions are not fully understood or a problem occurs please contact your local dealer.

- This Sprayer should be operated, maintained and serviced by professionals with sufficient knowledge for safe operation.
- Warranty covers all manufacturing defects. Warranty will be void in cases of abuse, neglect or unauthorized modification to the sprayer.

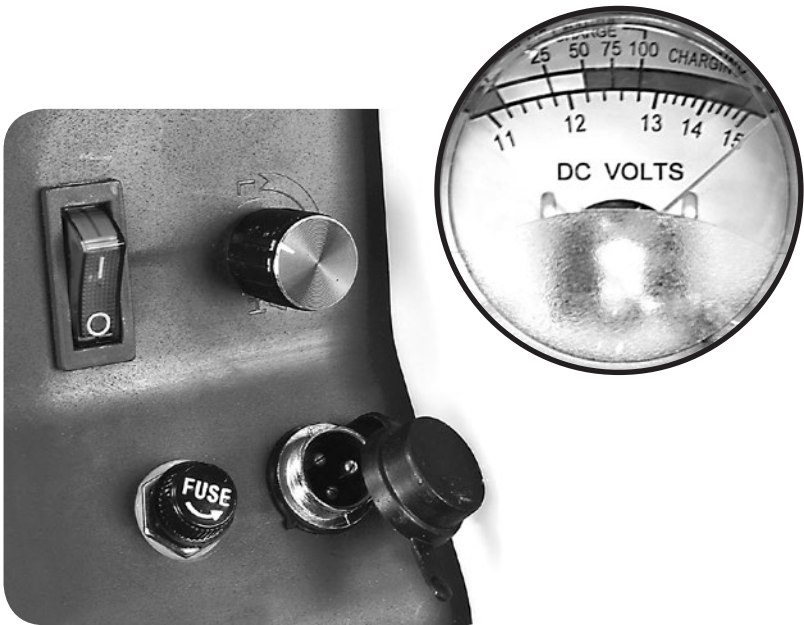
CHARGING INSTRUCTIONS

Your sprayer comes delivered fully charged. Check the charge indicator on the side of the unit prior to use due to self discharge during transit or storage. If the level is in the yellow or red a supplemental charge maybe required.

1. Ensure the sprayer battery charger complies with the A/C rating on the main power supply. If you are unsure contact your local dealer or a qualified electrician.
2. Charge your sprayer indoors .
3. To Charge: plug the cord into the charging socket located on the side of the sprayer. When the indicator light turns green, the battery has been fully charged.

4. Voltage Meter:





- a. The sprayer is equipped with a high-precision voltmeter measuring. Green indicates fully charged for normal operation. Yellow indicates insufficient charge, however unit will still operate. Red indicates low charge which requires immediate recharging of the sprayer battery.
 - b. An alarm will buzz to remind the operator when the charge falls below 10.5~10.8V. Unit will need to be recharged.
5. Fully discharge battery prior to recharging if sprayer has not been in use for a long period of time.
 6. Charge sprayer in a dry, well ventilated area away from children.



OPERATING INSTRUCTIONS

1. Before operating sprayer use ANSI-approved safety goggles and other proper safety gear.
2. This Rainmaker™ sprayer includes four spray heads. Choose one that best suits your application. Always spray in the same direction as the wind.
 - A. Conical Stream Spray Nozzle - used for variety of applications.
 - B. 30° Degree Double Spray Nozzle - use for wider spray patterns.
 - C. Fan Spray Nozzle - used for an evenly distributed spray.
 - D. 4-Hole Adjustable Spray Nozzle - use for tall crops or trees.

| Nozzle Type | PSI | Flow oz/min (apx) |
|------------------------------|-----------|-------------------|
| A - Conical Stream Nozzle | 101 - 130 | 24 - 33 |
| B - 30° Degree Double Nozzle | 188 - 232 | 44 - 54 |
| C - Fan Spray Nozzle | 29 - 58 | 20 - 37 |
| D - 4-Hole Adjustable Nozzle | 29 - 58 | 20 - 37 |

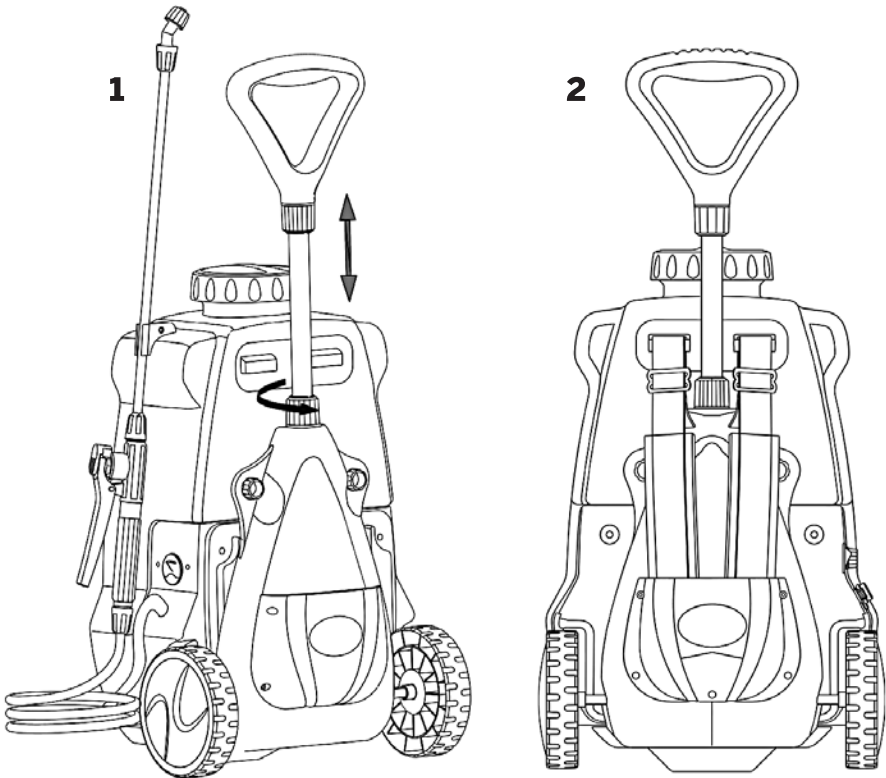
| | | | |
|--|--|--|--|
| A | B | C | D |
|  |  |  |  |

BE CAREFUL NOT TO OVERSPRAY CROPS WITH PESTICIDES OR HERBICIDES!

3. To change the sprayer heads. Make sure sealing ring is properly in place at the end of the sprayer wand. Attach desired sprayer head and screw plastic nut to the sprayer head to secure.

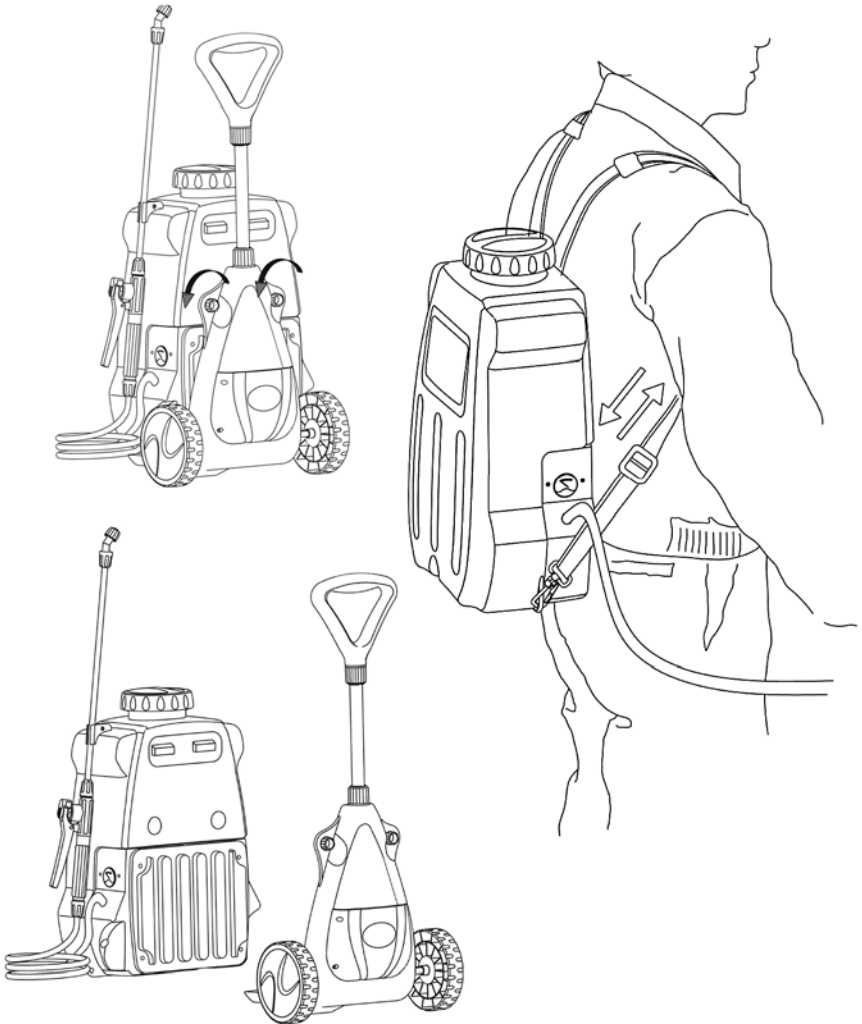
USING THE SPRAYER WITH TRAILER

1. Insert the pull bar into the trailer at your desired height and tighten the pull bar with the nut to secure.
2. Place backpack straps into the tray compartment to avoid damage to the straps, sprayer and to avoid personal injury.



DISMOUNTING SPRAYER FOR BACKPACK USE

1. When the trailer is not suitable for a specific application it may be worn on the operators back.
2. To disengage from the trailer turn the screws on the trailer counter clockwise and remove from trailer.
3. Attach strap clips to holes located near bottom of sprayer.
4. Sprayer will be heavy always use assistance when securing to back. Adjust the padded straps accordingly.



FILLING YOUR TANK

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

SPRAYING

1. Pull sprayer to desired location and turn on the power switch “-“ indicates **ON** and “**O**” indicates **OFF**.
2. Point nozzle in safe direction away from animals, people, and never against adverse wind.
3. Press down on the switch assembly on the handle to begin.
4. Move at a constant speed and direction to avoid over spraying and/or missing your coverage area.

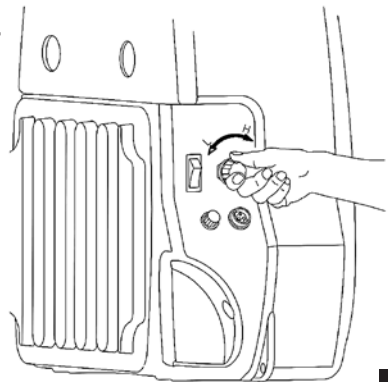
REGULATING SPRAYER PRESSURE

The sprayer has overload protection. When water switch is closed or nozzle is blocked, the pump will release the pressure automatically.

1. Turn the regulating knob clockwise to increase the pressure and turn counter clockwise to decrease pressure.
2. Move at a constant speed and direction to avoid over spraying and/or missing your coverage area.

TURNING OFF YOUR SPRAYER

1. When not in use turn sprayer to the off positions by flipping the switch to the “**O**”
2. Never use the voltage-regulating potentiometer as the power switch. When the spraying operation finishes, the power switch shall be turned off.



CLEANING AND MAINTENANCE

CAUTIONS - 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. Periodically, lubricate all moving parts with a water resistant grease or a petroleum jelly may also be used.
4. Flush interior and clean the exterior of the sprayer.
5. 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. Keep sprayer upright failure to do so may damage the battery.

TECHNICAL PARAMETERS

Rainmaker™ 5-Gallon Battery Powered Electric Sprayer has overload protection. When the water switch is closed or the nozzle is blocked, the pump will relieve the pressure automatically.

1. Sprayer Type: Backpack and Trailer Type
2. Packing Size: 14.76 in x 12.2 in x 25.19 in
3. Net Weight: 18.74 lbs (trailer: 4.85 lbs)
4. Tank Capacity: 20L/ 5 Gallons
5. Sprayer Pump: Micro diaphragm pump
Working Pressure: 29 psi - 65 psi
Limit of pump pressure: 65 psi - 72.5 psi
6. Battery Type: 12V7Ah (fully-enclosed, maintenance free)
7. Charger Type: Input AC100-240V~50/60Hz
Output DC12V 2A

HAZARDS AND IMPORTANT SAFETY WARNINGS

FAILURE TO FOLLOW THE INSTRUCTIONS FOR PROPER OPERATION CAN RESULT IN SERIOUS INJURY.

- During operation use ANSI-approved protection wear such as mask, safety goggles clothes, gloves, etc.
- **KEEP OUT OF THE REACH OF CHILDREN.**
- For proper disposal of pesticide follow the safety instructions provided by the manufacturer.
- Do not spray humans or animals. Never operate against adverse wind. Failure to do so can result in serious injury or death.

WARNING!

1. Do not operate sprayer when you are tired. Keep balance at all times. Do not overreach, stay alert and watch what you are doing.
2. Always follow chemical label precautions and EPA (Environmental Protection Agency) regulations when using chemicals. Refer to manufacturer instructions for proper product storage and disposal of waste. Open Dumping is prohibited. Check with authorities on proper procedures.
3. After each use, clean the sprayer to protect it from corrosion and possible chemical reaction between the residue chemical and next chemical if they are of different nature.
4. Do not leave sprayer unattended.

PRECAUTIONS

1. Do not pull or carry sprayer by the spray handle or hose.
2. Test sprayer with clean water to ensure tank, hose and spraying wand are in working condition. When finished using the sprayer empty completely. Clean the unit and store in a clean, dry location.

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™ 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

4 GALLON BACKPACK PUMP SPRAYER



PRODUCT #
708902

1 GALLON, 2 GALLON AND 3 GALLON PUMP SPRAYERS



PRODUCT #
708908

PRODUCT #
708906

PRODUCT #
708904



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

www.RainmakerSprayers.com