



# MAXIMA®

ONLY FOR REAL PROFESSIONALS



## TROLLEY ELECTRIC SPRAYER

Use and maintenance manual

MATRICOLA M

## CONTENTS

### NOTE:

### **BATTERY MUST BE CHARGED 12 HOURS BEFORE FIRST USE!**

Don't mistake the power plug when changing or inspecting the battery, connect red wire to anode (+), black wire to cathode (-).

Allow only people who can fully understand this manual to operate the sprayer.

To obtain best performance, life and satisfaction from your sprayer, it's very important that you read and understand the safety precautions and maintenance instructions before using your sprayer.

1.....	Guide to Manual
2.....	Safety Precautions
3.....	Charging the sprayer
4.....	Use of the sprayer
5.....	Turn the power on
5.....	Turn the power off
5.....	Low battery Notice
5.....	Transportation
6.....	Cleaning and Storage
6.....	Specification and Performance
7.....	Troubleshooting
7.....	Warranty Notice

### **! WARN:**

Don't use unsolvable powder with your sprayer. Make sure to fully clean the sprayer and pump if you use unsolvable powder and latex, otherwise it will properly cause the problems such as no suction, no pressure, no flow and so on.

## Guide to Manual

This manual not only includes operating instructions for the sprayer, but also some information requires your special attention. Pay attention to the special symbols, which are especially important.



**WARN**

Where there is a risk of personal injury to the user, a bystander, or property damage.



Where there is a risk of damage to the sprayer or sprayer components



Note on correct procedure for preventing from environmental damage.

Failure to follow the instructions for use and maintenance of the sprayer will void our warranty.

## Safety Precautions

1. Use of sprayer can be dangerous. You must read, understand and follow the safety precautions for you and others' protection. Don't disassemble, modify or assemble this sprayer without our company's instructions.
2. Improper or careless use of this sprayer can cause serious injury. Minors should never be allowed to use this sprayer. This sprayer should not be used when children, bystanders or animals are in the area.
3. Never leave the sprayer unattended without turning off the power, disconnecting the power plug, and flushing the sprayer of any harmful chemicals.

## Safety Precautions

4. Never lend or rent this sprayer without the manual. Make sure anyone using this sprayer understands all the contents included in this manual.
5. Carefully read instructions on chemicals use. When spraying any chemicals, please wear protected clothing to protect your eyes, noses, hands and your whole body.
6. Don't use this sprayer to store or spray flammable chemicals. Observe all local regulations, ordinances and laws regarding spraying.
7. Don't use wettable powder with this sprayer. Soluble powders may be used if properly mixed.
8. Always place the sprayer on a flat, level, bare ground and make sure to use the strainer when filling the sprayer.
9. Our sprayer is designed for use with most agricultural chemicals, pesticides, cleaning agents and many other solutions. Don't spray caustic or corrosive solutions. Contact us if you are not sure if the chemical is compatible with the sprayer.
10. Never point the sprayer wand at any person or animal, whether the sprayer is on or not.

## Charging the sprayer

**NOTE: BATTERY MUST BE CHARGED 12 HOURS BEFORE FIRST USE. SHOULD CHARGE THE BATTERY AFTER 2 MONTHS UNUSED.**

1. Fully charge the battery before or after each use. Be sure plug and socket are in the right direction. Turn the power off after charge.
2. Should be promptly charged for 12 hours when the instruction needle points at the yellow grid area. Battery should be charged 12 hours before first use. Charge the battery at any time will not affect the cycle life. You can charge it after any period of use.
3. A fully depleted battery needs more than 10 hours of charge time. At first, the charge indicator light shows green, after more than 10 minutes charged, the light will turn into red, it means the battery is being charged. Once the battery is at full capacity, it will turn into green.



If you need to replace the battery in this sprayer, the battery will be subjected to our confirmation. Please handle the discarded battery in the recoverable centre.

## Use of the sprayer



1. Put the sprayer on flat ground when filling the tank.
2. Install the outlet strainer and inlet strainer in the right position to protect the pump and nozzles from blocking. Any debris in the pump may cause the sprayer working improperly.

## Use of the sprayer

3. Change the nozzles and adjust the flow according to your spraying requirement. You'd better set the flow rate well before use. The lower flow rate is, the lower current is, then the battery can be used for a longer time; On the contrary, if the higher flow rate is, the higher current is, then the battery can be used for a shorter time.
4. If the nozzle's orifice diameter is too small, the pump may turn on or off frequently, In this case, you need to adjust the flow, it means to add the nozzles.
5. When finished spraying, turn the power off, add some clean water to the tank. Turn the sprayer on, allow the pump to run until the tank is empty, make sure the pump, hose and strainer are fully cleaned, then store your sprayer in a shade place.
6. Follow the powder manufacturer's instruction, firstly, dissolve and dilute the wettable powder in other vessel. Excessive use of powder may remain a lot of solid residues in the tank, it will affect the working of the sprayer. Please use Liquid chemicals with this sprayer.
7. The maximum temperature of the liquid to be sprayed must not exceed 43°C (110° F)
8. Once the tank is full, return the lid to the tank neck and rotate it firmly clockwise. Wipe the exterior of your sprayer with a cloth if any spillage occurred while filling.
1. A power switch and flow adjuster switch included in the sprayer.

## Turn the power on

## Turn the power on

2. Turn the power on, squeeze the hand lever to begin spraying, release the hand lever to stop. The pump stop working at the same time. When the tank runs out of liquid, the pump will continue to run, when this occurs simply turn the power off.

3. To reduce operator's fatigue, the hand lever features a locking mechanism that allows the handle to be locked anytime.



## Turn the power off

Turn the power off, point the spray wand at a safe place and squeeze the hand lever to release the residual liquid.

## Low battery Notice

When the sprayer is low power consumption, the flow will gradually become lower, that is, the battery needs to be recharged. You can recharge at any time, and the battery will return to the best of saturation.

## Transportation

When transporting your sprayer, be sure that the power is off. Always put the sprayer in an upright position, protect the hose from sharp objects and never transport your sprayer with harmful chemicals in the tank.



## Cleaning and Storage

1. After use, add fresh water, open the power switch and squeeze the hand lever to clear any debris from the tank, pump, hose and strainer.
2. Make sure to fully charge the battery after each use.
3. Store the sprayer in a shade place where children cannot reach.



When putting the sprayer in a cold environment, you must discharge all the liquids in the tank to protect the sprayer.

## Specification and Performance

### TSR-35 TROLLEY ELECTRIC SPRAYER

Capacity	40L (Rated)	
Battery	12V/17AH(Fuse:6A) maintenance-free power battery	
Charger	Input 220V/50HZ	Automatic Saturation
	Output12V/2000MA	
Pump	Pump model : FLO-2202A    12V/2.6A	
	Flow: 4.0L/Min Pressure switch cut off at 70Psi (0.48Mpa)	
Duty Cycle	Five block rate of flow adjustment	
Meter	Electricity instruction	
Spray gun	Brass spray gun	
Hose	6 meters output pressure hose with brass nut connector	
Nozzle	Single, Double and Triplicate nozzles	
Tyre	Inflatable tyre, dimension : 8"    pressure:3.0BAR	
Weight:	G.W : 22KGS      N.W: 19KGS	
Dimension	43.5 x 36 x 89cm	



## Troubleshooting

Trouble	Cause	Solution
Turn power on, but the pump doesn't run	Disconnection of power wire	reconnect the power wire
	No power source	Recharge the battery
	Damaged power switch	Replace the power switch
Noise occur in the pump	Looseness of screws	Tighten the screws
Pump leaks	Pump hose connections lost or broken	Remove the base, tighten hose clips
Bad mist	Nozzles blocked	Clear the debris in the nozzles
	Nozzles worn, O-ring worn	Replace the nozzles or O-ring
	Gasket in the opposite position	Replace into the right position
	Strainer clogged	Fully clean the strainer
	Disconnection of hoses	Reinstall the hose to the machine
	Weak power source	Charge or replace a new battery
Pump starts frequently	Nozzles clogged	Inspect the pipes, clean residues, change new nozzles
	Looseness or worn of discharge hose	Tighten the pipes clip and nut
	Debris exist in the valves	Clear the debris ,replace the valves
	Too low flow of the nozzles	Reduce the flow rate

## Warranty Notice

- 1.This sprayer is warranted to be free of defects in material and workmanship under normal use, for a period of one year from the date of purchase.
- 2.The warranty will void if improperly installed, misapplied, damaged, altered and incompatible with unapproved components.
- 3.We should not be liable for freight damage incurred during shipping.
- 4.We should not pay charges for the maintenance caused by any improper use.
- 5.We reserve the right to test the chemical components.

# Warranty Card

<b>Product</b>	<b>Electric Sprayer</b>	<b>Model</b>		
<b>Distributor</b>	<b>Company name</b>			
	<b>Address</b>			
	<b>Telephone</b>			
	<b>Contact name</b>			
<b>User</b>	<b>Name</b>			
	<b>Address</b>			
	<b>Telephone</b>			
	<b>Purchase date</b>			
<b>Service center</b>	<b>Name</b>			
	<b>Address</b>			
	<b>Telephone</b>			
	<b>Contact name</b>			
<b>Service Record</b>				
<b>Service Record</b>	<b>Problem</b>			
	<b>Replace parts</b>			
	<b>quantity</b>		Center Signature	
	<b>User signature</b>		Date	
<b>Service Record</b>	<b>Problem</b>			
	<b>Replace parts</b>			
	<b>quantity</b>		Center Signature	
	<b>User signature</b>		Date	
<b>Service Record</b>	<b>Problem</b>			
	<b>Replace parts</b>			
	<b>quantity</b>		Center Signature	
	<b>User signature</b>		Date	

**Please keep your warranty card!**



