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User manual



Cordless Garden Sprayer

MODEL NUMBER: SERIAL NUMBER: ☐ CEDSC15Li

Model number and serial number should be on nameplate. You should write them down and store in a safe place.



Indentification 1. Nozzle 2. Spray Pipe 14 3. Chemical Tank Lid 4. Spray Pipe Holder 15 5. Chemical Tank 6. Lever Cock 7. Handle Grip Water 8. Hose Power 16 9. Switch 10. Button Of Battery Cartridge 11. Battery Cartridge 12. Battery Cartridge Cover 13. Plastic buckle **14.** Bolt 15. Back Cushion 16. Back Strap 17. Various nozzles 12 13 17 10 11

SPECIFICATIONS

Model: Chemical tank capacity	CEDSC15Li
Max. working pressure	15 L
Water Flow	0.3Mpa
Spray pole length	≥ 1.3L/min
Working current approx.	575 mm
Rated voltage	1.5A
Overall length (Bare tool without accessories)	D.C. 20 V
	590 mm

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combination, according to EPTA-Procedure 01/2014, are shown in the table.

Applicable battery cartridge and charger

battery cartridge	CEDLi-lon 2Ah, CEDLi-lon 4Ah, CEDLi-lon 6Ah
battery charger	CEDFCH2.4, CEDDCH3.0, CEDFCH3.5

 Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

WARNING: Only use the battery cartridges and chargers listed above. Use of any other battery cartridge and chargers may cause injury and/or fire.

Symbols

The followings show the symbols which may be used for the equipment. Be sure that you understand their meaning before use.





Read the instruction manual.



Take particular care and attention.



Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!

In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.



Do not use in rain.



Wear protective mask.



Wear protective gloves.



Do not direct the jet at people including yourself, animals, and live electrical equipments.

Intended use

This tool is intended for spraying agricultural and horticultural chemicals for pest and weed control.

Noise

The typical A-weighted noise level determined according to EN50580:

Sound pressure level (LpA): 62 dB(A)

Uncertainty (K): 3 dB(A)

The noise level under working may exceed 80 dB (A).

NOTE: The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

A WARNING: Wear ear protection.

WARNING: The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

▲ WARNING: Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Vibration

The vibration total value (tri-axial vector sum) determined according to EN50580:

Vibration emission (a): 2.5 m/sor less Uncertainty (K): 1.5 m/s2

NOTE: The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared vibration total value(s) may also be used in a preliminary assessment of exposure.

M/ARNING: The vibration emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

MARNING: Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

IMPORTANT SAFETY WARNINGS

MARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WARNING – When using this product, basic precautions should always be followed, including the following:

Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Personal safety

 Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents. Remove any adjusting key or wrench before turning the power tool on. A
- 4. wrench or a key left attached to a rotating part of the power tool may result in personal injury. Do not overreach. Keep proper footing and balance at all times. This enables better
- control of the power tool in unexpected situations. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.
- 6. Loose clothes, jewellery or long hair can be caught in moving parts. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust- related hazards.

Electrical safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock. When operating a power tool outdoors, use
- an extension cord suitable for outdoor use.
 Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of an GFCI reduces the risk of electric shock.

Power tool use and care

- 1.Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- 2.Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 3.Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 4.Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- 5.Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

Battery tool use and care

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- 3. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact acci- dentally occurs, flush with water. If liquid con- tacts eyes, additionally seek medicl help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries
 may exhibit unpredictable behaviour resulting in
 fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.

7. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- 2.Follow instruction for lubricating and changing accessories.
- Keep handles dry, clean and free from oil and grease.

SPRAYER SAFETY WARNINGS

Safety Warnings for Spraying Operation:

- Do not use the sprayer for any other purpose than spraying agricultural and horticultural chemicals for pest and weed control.
- Do not use the sprayer for spraying flammable materials.
- Be aware of any hazards presented by the material being sprayed. Consult the markings on the container or the information supplied by the manufacturer of the material to be sprayed.
- 4.Do not spray any material where the hazard is not known.
- 5.Concerning the use of chemical sprays, be sure to thoroughly read the chemical instructions, in order to become fully acquainted with toxicities and usage methods.
- 6.If chemical comes into contact with skin, immediately wash thoroughly with soap.
- 7.Firmly close chemical tank lid to prevent leaking.
- 8. Never transfer chemical to another container.
 9. Always thoroughly wash empty chemical containers when mixing spray liquid and then follow chemical manufacturer's instructions to correctly dispose of containers at all times.
- 10.Before using the sprayer, be sure to check there are no abnormalities, such as displacement of packing from connector, looseness of screws, missing components, and/or cracked/worn/damaged hose. Using an incomplete sprayer may cause an accident and/or injury.
- 11.People not involved in spraying should refrain from approaching the worksite during spraying.
- 12.When transporting a chemical-loaded sprayer by vehicle, there is a risk of leaking, so always firmly tighten the chemical tank lid, and secure the sprayer in an upright position.
- 13. Never use items such as strongly acidic chemicals, paints, thinners, gasoline or benzene with the sprayer, as there is a danger of burns or fire.
- 14.Do not clean the sprayer with flammable solvents.

- 15.Be sure to select the appropriate chemical (taking into consideration usage method and effectiveness) to deal with the pest or weed in question.
- 16.An inappropriately mixed chemical may harm humans as well as damage crops/plants. When mixing chemical, thoroughly read chemical instructions, and dilute chemical correctly prior to use.
- 17. Always mix chemical before loading it into tank.
- 18. To prevent inhalation and/or contact with chemical, be sure to wear safety clothing (hat, protective goggles, protective mask, rubber gloves, long-sleeved pest-control jacket, long trousers and gumboots), so that skin is not exposed when spraying.
- 19.Always load the tank with chemical or clean water when operating the sprayer, as operating the sprayer with an empty tank may damage the pump.
- 20.If the sprayer stops running, or an abnormal sound is emitted, immediately switch OFF the sprayer, and discontinue use.
- 21.Constantly be aware of wind direction while spraying, to ensure spraying from upwind to downwind, in order to prevent direct chemical contact with body. Also, be careful to keep chemical from reaching surroundings, and stop using the sprayer when the wind is strong.
- 22.As there is a risk of chemical poisoning when spraying in a greenhouse, always ventilate while spraying.
- 23. Avoid spraying when atmospheric temperature is high.
- 24. Avoid prolonged operation of sprayer. Whenever possible, rotate operators.
- 25.If even a slight headache or dizziness, etc., occurs, stop spraying work immediately, and consult a doctor. Moreover, be sure to clearly inform the doctor of the name of the agrochemical
 - being used, and the operating circumstances.
- 26.In cases where spray status deteriorates and nozzle needs cleaning, there is a risk of the chemical liquid coming into contact with the face, so be sure to switch OFF the sprayer, and then remove the nozzle to clean.
- 27.Be sure to dispose of wastewater generated from washing used containers and chemical tank appropriately in a location where it will not flow into rivers and streams and/or contaminate groundwater.
- 28.After spraying, if chemical remains in the chemical tank, spray hose, spray pipe and nozzle, it may cause spray injury. Be sure to fully wash away residual chemical with clean water - in particular, after spraying with herbicide.
- Keep agrochemicals away from children. Be sure to store residual chemicals in chemicaldesignated storage containers.

30.After completion of spraying, be sure to wash (spray wash) equipment with clean water, drain off the washing water, and store indoors away from direct sunlight and freezing temperatures, and out of reach of children.

31.After completion of spraying, be sure to thoroughly wash entire body with soap, rinse eyes, and gargle. During spraying period, change clothes daily.

SAVE THESE INSTRUCTIONS.

warning: DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

Important safety instructions for battery cartridge

- Before using battery cartridge, read all instructions and cautionary markings on (1) battery char- ger, (2) battery, and (3) product using
- battery.
- 3. Do not disassemble battery cartridge.
 If operating time has become excessively

shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.

- If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
- Do not short the battery cartridge:

nails, coins, etc.

- (1) Do not touch the terminals with any conductive material.
- (2) Avoid storing battery cartridge in a container with other metal objects such as
- (3) Do not expose battery cartridge to water or rain.

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.

- Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
- Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
- 8. Be careful not to drop or strike battery.
- 9. Do not use a damaged battery.
- 10. The contained lithium-ion batteries are subject to the Dangerous Goods Legislation require-

ments. For commercial transports e.g. by third parties, forwarding agents, special requirement on pack- aging and labeling must be observed. For preparation of the item being shipped, consult- ing an expert for hazardous material is required. Please also observe possibly more detailed national regulations. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.

- When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.
 - Use the batteries only with the products specified by Cedrus. Installing the batteries to! non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.
- 13. If the tool is not used for a long period of time, the battery must be removed from the tool.

SAVE THESE INSTRUCTIONS.

ACAUTION: Only use genuine Cedrus batteries. Use of non-genuine Cedrus batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Cedrus warranty for the Cedrus tool and charger.

Tips for maintaining maximum battery life

- Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
- Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
- 3. Charge the battery cartridge with room temperature at 5 °C - 45 °C. Let a hot battery cartridge cool down before charging it.
- Charge the battery cartridge if you do not use it for a long period (more than six months).

FUNCTIONAL DESCRIPTI

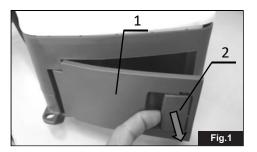
MUTION: Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

cartridge

A CAUTION: Always switch off the tool before installing or removing of the battery cartridge.

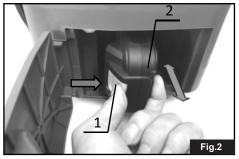
AUTION: Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

1.To install the battery cartridge, open the cover while pushing the plastic buckle. Align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. After installing or removing the battery cartridges, be sure to close the cover.

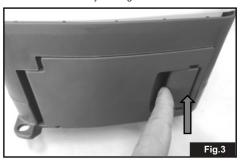


▶ 1. Cover 2. Plastic buckle

2. To remove the battery cartridges, Slide the battery cartridge while pressing the button on the front of the cartridge.



▶ 1. Button 2. Battery cartridge



A CAUTION: Always install the battery cartridge fully. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

▲ CAUTION: Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

A CAUTION: Be sure to lock the cover before operating.

Tool/Battery protection system

The tool is equipped with a battery protection system. This system automatically cuts off power to the motor to extend battery I ife. The tool will automatically stop during operation if the tool and/or battery are placed under one of the following conditions:

Overload protection:

The tool is operated in a manner that causes it to draw an abnormally high current.

In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

If the tool does not start, the battery is overheated. In this situation, let the battery cool before turning the tool on again.

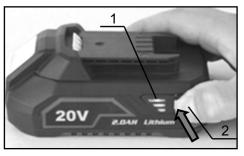
Overheat protection

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

Overdischarge protection

The remaining battery capacity is too low and the tool will not operate. In this situation, remove and recharge the battery.

Indicating the remaining battery capacity



▶ 1. Indicator lamps 2. Check button

Press the check button on the battery cartridge to indicate the remaining battery capacity.

Indicator lamps		Remaining
Lighted	Off	capacity
ORANGE RED		75% to 100%
ORANGE RED		25% to 50%
RED		10% to 25%

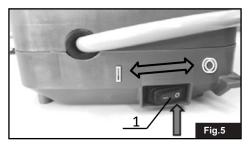
NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

OWIGHT GORDIN

AUTION: Before installing the battery cartridge into the tool, always check to see that the tool is switched off.

NOTICE: Do not turn the power switch forcibly.

This may cause the switch to malfunction.



▶ 1. Power switch

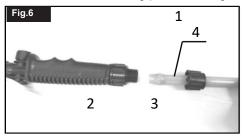
- **1.**To start the tool, Press down the power switch toward the "I(ON)" position.
- **2.**To stop the tool, Press down the power switch toward the "O(OFF)" position.

ASSEMBLY

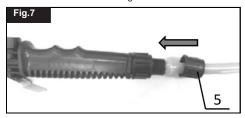
ACAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

hose

1.To connect the water hose, Insert the end of the water hose into the hole of the handle grip as far as it can go.



- ▶ 1. End of the water hose 2. Handle grip
 - 3. Hole of the handle grip 4. Water hose 5. Nut
- **2.**Pull the nut of the water hose on and then tighten the nut clockwise as far as it can go.

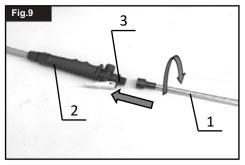




3.To disconnect the water hose, follow the connect procedure in reverse.

Connecting/disconnecting the spray

- 1.To connect the spray pipe, turn the spray pipe clockwise while screwing it onto the screw thread of the handle grip as far as it can go.
- **2.**To disconnect the spray pipe, follow the connect procedure in reverse.

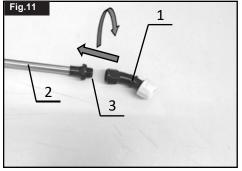


- ▶1. Spray pipe 2. Handle grip
 - 3. Screw thread of the handle grip



Connecting/disconnecting the nozzle

- 1. Select nozzle according to type of spraying to be done.
- 2. To connect the nozzle, turn the nozzle clockwise while screwing it onto the screw thread of the Spray pipe as far as it can go.
- **3.**To disconnect the nozzle, follow the connect procedure in reverse.



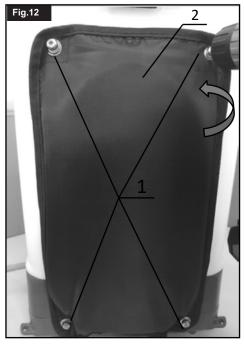
- 1. Nozzle 2. Spray pipe
 - 3. Screw thread of the spray pipe

NOTICE:

- 1. Firmly attach components to ensure there is no leaking.
- All connector units use packing. Before assembly, always check to see that the units have packing.
- Check to make sure that the spray hose is not cracked, worn and/or damaged.
- If there is a leak from a connector unit, tighten further using a hand tool (by approximately 45 degrees).
- Do not use a spray pipe that is longer than the standard one provided. Doing so may cause leaking from connector units.

Installing/uninstalling the back cushion

1.To uninstall the back cushion. Loosen total four bolt anticlockwise with the T30 star head screw bit. Remove the bolt and back cushion in order.



▶ 1. Bolt 2. Back cushion

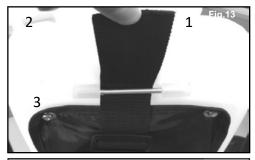
2.To install the back cushion, follow the uninstall procedure in reverse.

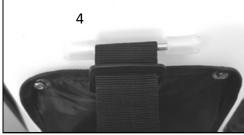
A CAUTION: Tighten the bolt clockwise firmly.

Back strap attaching method

To install the back strap, Use the diagram pointers to attach the back strap at top and bottom, making sure there are no twists in the strap.

For top attaching

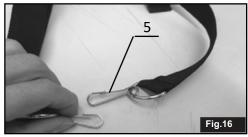


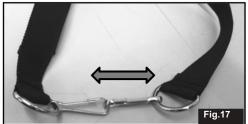




1. Fixed link 2. Chemical tank 3. Back strap
 4. Plastic Buckle 5. Metal buckle

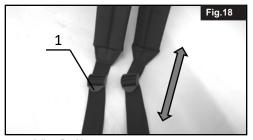
4. Plastic Buckle 5. Metal buckle For bottom attaching





Back strap adjusting method

- **1.**Adjust back strap to a length that brings the sprayer as close to the body as feasibly possible.
- 2.Lengthening strap
 - (1)Lift up buckle.
 - (2)Pull the belt on the side connected to the sprayer
- 3. Shortening strap
 - (1) Pull the belt on the free side.

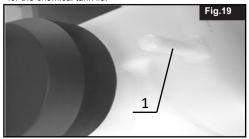


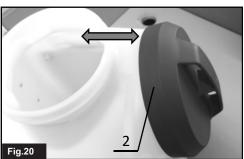
▶ 1. Adjust Buckle

A CAUTION: Check to make sure that back strap is securely and firmly attached to chemical tank.

Install /Uninstall the spray pipe holde

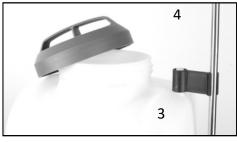
1. The tank holder post serves as a temporary holder for the chemical tank lid.





- 2. To install the spray pipe holder, directly insert it into the tank holder post .
- 3.To uninstall the spray pipe holder, directly remove it from the tank holder post.

When you suspend the operation, you can temporarily place the Spray pipe on the spray pipe holder as shown in the figure.



▶ 1. tank holder post 2. Chemical tank lid 3. spray pipe holder 4. spray pipe

OPERATION

▲ CAUTION: Before inserting the battery cartridge into the tool, always check to see that the tool is switched off.

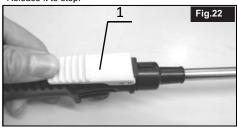
A CAUTION: To prevent sudden spraying, be sure to set the lever cock to STOP, before turning sprayer switch ON or OFF.

▲ CAUTION: When spray work is interrupted, be sure to turn switch OFF, to prevent inadvertent spraying.

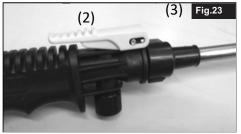
A CAUTION: Be sure to check the situation of surroundings before turning sprayer switch ON.

How to use the lever cock

1. Depress button of the lever cock to spray, Release it to stop.



2.For continuous operation, a continuous operation position is provided. Depress button of the lever cock and then push it forward to lock on and backward to lock off.



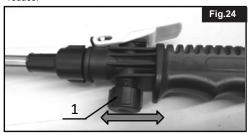
▶ 1, lever cock 2, Lock off 3, Lock on

Spraying

While spraying ,always hold the handle grip firmly. Once spraying is complete, immediately set lever cock to STOP, and then turn the power switch OFF.

Adjusting the intensity of spraying

While spraying ,you can adjust the intensity of spraying through tightening or loosening the adjust nut. Clockwise to increase and anticlockwise to reduce.



▶ 1. adjust nut

NOTICE:

- Check to make sure the tank is loaded with chemical or clean water when operating the sprayer as continued operation of the sprayer with an empty tank may burn out the pump.
- Running the sprayer for prolonged periods with the lever cock closed may have an adverse effect on the pump as well as drain the battery. Be sure to turn sprayer switch OFF whenever possible.
- If spray splutters, or pumps suddenly screeches, the chemical tank is empty, so immediately turn sprayer switch OFF.
 - Do not spray with the battery cover open and/or with the back-support cushioning removed, as there is a risk of damage to electrical system. Moreover, do not spray pointing the spray nozzle at the sprayer.
- Do not forcibly handle the lever cock and/or the spray pipe.

Mixing chemical

A CAUTION: Never use Kelthane water dispersible powder (acaricide) because it tends to harden due to heat generated by pump during operation, which causes the pump to stop. Use a Kelthane emulsion, Akar emulsion or Osadan water dispersible powder as the acaricide.

A CAUTION: When using a water dispersible powder or lime sulfur, be sure to dissolve well prior to use.

MUTION: Take maximum care when handling chemicals. Wash away thoroughly if chemical comes into contact with body.

A CAUTION: Chemicals are harmful. Always adhere to chemical manufacturer instructions when handling chemicals.

ACAUTION: See the following chart for ratio information that is useful when diluting chemicals.

A CAUTION: Never spray chemicals undiluted

▲ CAUTION: When using a water dispersible powder, etc., dissolve thoroughly in a container such as a bucket.

Chemical	Dilution ratio		
Water	500	1,000	2,000
4 L	8 mL	4 mL	2 mL
6 L	12 mL	6 mL	3 mL
8 L	16 mL	8 mL	4 mL
10 L	20 mL	10 mL	5 mL
12 L	24 mL	12 mL	6 mL
15 L	30 mL	15 mL	7.5 mL

Main plant diseases and pests

Always adhere to chemical manufacturer instructions when handling chemicals. Thoroughly dissolve chemical prior to use.

Chemical replenishment

A CAUTION: When changing chemical, be sure to carefully wash the tank, pump, and nozzle, etc. with clean water. Residue of the previous chemical may cause a spray injury. Moreover, if chemicals mix, a chemical change may occur, with the danger of generating a toxic gas.

A CAUTION: Be sure to wear protective gloves.

A CAUTION: Do not change chemical in poorly ventilated locale. (prevent chemical poisoning)

Check to make sure the sprayer switch is OFF and replenish chemical tank with mixed chemical. When filling tank with chemical, always strain chemical

The side of the chemical tank is marked with scale divisions, so be sure to use these as operation guidelines. Firmly tighten chemical tank lid to prevent leaking.

MAINTENANCE

through equipped tank strainer.

▲ CAUTION: Always be sure that the tool is switched off and battery cartridge is removed before attempting to perform inspection or maintenance.

A CAUTION: For inspection and maintenance, always wear protective gloves.

NOTICE: Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Cedrus Authorized or Factory Service Centers, always using Cedrus replacement parts.

After-use maintenance

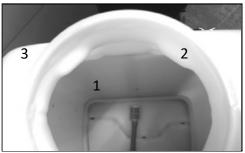
- After use, remove residual liquid from chemical tank, and wash away clinging chemical from inside of tank using clean water.
- Now fill up chemical tank with clean water and run the sprayer for 2 to 3 minutes to wash out residual chemical from the pump, hose, and nozzle, etc.
- Remove the residual liquid from inside the chemical tank, restart the pump, and run the sprayer until residual liquid ceases to come out of the nozzle, and then turn sprayer switch OFF.
- •Wipe away moisture and dirt from equipment, and then check for damage and leaks.

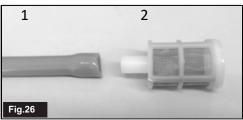
Daily checks

- Before work, check to see whether or not fastened units are loose and components are missing.
- · Check to make sure the spray hose is not
- cracked, worn and/or damaged.
 After use, always be sure to wipe dirt off of exterior, and to check for damage and/or leaks.

Cleaning water absorption strainer

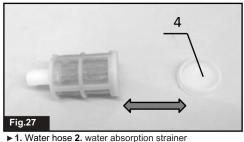
1.After removing chemical from tank, remove the water absorption strainer at the bottom of the tank.





A CAUTION: Pull out the strainer carefullly make sure not to snap the water hose.

2. Open the cap and remove dirt and debris from the inside of the strainer.



- 3. Tank 4. Cap
- 3. To install the strainer, follow the uninstall procedure

in reverse. NOTICE: This is a filter used to prevent dirt and dust

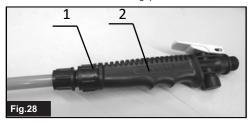
(that for some reason has got passed the tank strainer into the tank) from getting into the pump. If the water absorption strainer becomes blocked, spraying will deteriorate, and there is a risk of the pump being adversely affected.

NOTICE: To maintain the optimal performance, cleanthe strainer periodically.

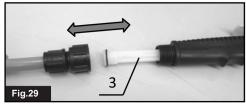
Cleaning lever cock strainer

NOTICE: Spraying deteriorates if the lever cock strainer becomes blocked.

1. Loosen the nut on the handle grip anticlockwise as far as it can go and remove the lever cock strainer from hole of the handle grip.



Remove dirt and debris from the inside of the strainer

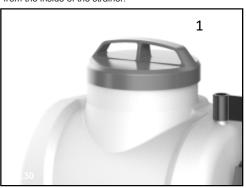


- ▶ 1. Nut on the handle grip 2. Handle grip 3 Lever cock strainer
- **3.**To install the strainer, follow the uninstall procedure in reverse.

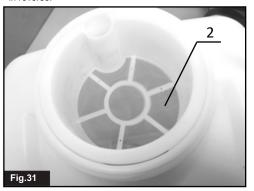
NOTICE: Firmly attach components to ensure there is no leaking.

Cleaning tank strainer

1.Turn it anticlockwise to open the Chemical tank lid and take out the tank strainer to remove dirt and debris from the inside of the strainer.



2.To install the strainer, follow the uninstall procedure in reverse.



▶1. Chemical tank lid 2. Tank strainer

Storage

waution: Store the Garden Sprayer out of reach of children, in an indoor locale that does not freeze, is away from direct sunlight, and has good ventilation. Take full care in storing the sprayer, as, in some cases, the plastic components will deteriorate markedly if left in direct sunlight for a prolonged period; moreover, product caution labels will discolor and/or come off.

NOTICE:

- Wash the equipment using the after-use maintenance procedures.
- In particular, when storing during the winter season, breakdown or damage may occur due to freezing of residual chemical and/or washing water in the pump. Run the pump until all residual liquid has exited from the nozzle, check to make sure there is no more residual liquid, turn the sprayer switch OFF, and then store the sprayer away.

Hook the metal buckle

you can hook the metal buckle onto the tank after use or before storing.



OPTIONAL ACCESSORIES

A CAUTION: These accessories or attachments are recommended for use with your Cedrus tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Cedrus Service Center.

- Various Nozzle
- Cedrus genuine battery and charger

NOTE: Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

TROUBLE SHOOTING

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to dismantle the tool. Instead, ask Cedrus Authorized Service Centers, always using Cedrus replacement parts for repairs.

Malfunction	status	Cause	Action
	Switch OFF	The switch is OFF Battery problem (under Voltage)	Turn switch ON
			Recharge
Motor (pump) will not work	Switch ON	Wiring connector is	lf recharging is not effective 8Verhau
		disconnected	Request an overhaul
		Switch breakdown	Request an overhaul
,		Motor breakdown	Request an overhaul
		Blown fuse	Clean or replace
		Blocked nozzle	Replenish
		No liquid in chemical tank	·
		Chemical tank lid's blowhole is	Clean
		blocked	Request an overhaul
		Blocked piping	Request an overhaul
		Broken or cracked piping Disconnected or broken piping	Request an overhaul
Pump is working but spray is n	not coming out	1.0	Remove and clean
amp is training sat apray is in	or coming our	Blocked water absorption strainer	
		Chemical tank lid's blowhole is	
		blocked	
		Blocked piping	
		Broken or cracked piping Clean	
		Request an overhaul	
		Request an overhaul	
		Disconnected or broken piping I	Request an overhaul
Sprayer sprays but is abnorma	al or spray pressure is	Blocked water absorption	
weak		strainer	Remove and clean
		Blocked lever cock strainer	Remove and clean
		Abnormal pressure regulator	Request an overhaul
		Worn gear case	Request an overhaul
		Running the sprayer for prolonged periods with the	Turn off the tool, open the
		lever cock closed	lever cock, disconnect the spray pipe and then
			reassemble a few minutes later Request an overhaul
			Clean or replace
A strange sound is emitted when switch is turned ON		Coupling that drives pump is	Set lever cock to STOP
		broken Blocked nozzle	
140	"	Lever cock is set to continuous	
When sprayer is left after being amount of liquid flows out of the		spray	