

ECO **WEEDKILLER** **Garden**

Manual

This manual has been translated from the original Finnish manual

v 1.1

Eco Weedkiller
Venakontie 4, 74130 Iisalmi
FINLAND
Business ID: FI23103993

Table of contents

1.	Introduction.....	4
2.	Product information and safety devices.....	4
2.1.	Product information.....	4
2.2.	Safety devices.....	4
3.	Safety levels	4
4.	Overview	5
5.	Operation	6
5.1.	Safety statements	6
5.2.	Step by step operation instructions	7
5.3.	Manual pump	8
5.4.	Water temperature	8
5.5.	Re-filling the device	8
5.6.	Decalcification.....	8
6.	Storage and maintenance	9
7.	Troubleshooting	9
8.	Conservation of the environment	10
9.	Technical data.....	10
10.	Technical support and spare parts	10
11.	Warranty Policy.....	11

Declaration of Conformity

Manufacturer
Eco Weedkiller
Venakontie 4
74130 Iisalmi
Finland

hereby declares that the product: **ECO WEEDKILLER**
Model: GARDEN

Serial numbers starting from 10000→

Is in accordance with the following Directive(s):

Low Voltage Directive LVD 2014/35/EU

SFS-EN 60335-1: Household and similar electrical appliances - Safety - Part 1: General requirements

SFS-EN 60529

Electrical Safety Act 1135/2016 (LVD)

EMC -directive 2014/30/EU

RoHS -directive 2011/65/EU

The Person Responsible of the Technical File:

Janne Hakkarainen
Mechanical Designer
Venakontie 4, 74130 Iisalmi

Place and date: Iisalmi, Finland, 2.1.2020

Signature: _____



Marko Laakkonen
CEO

ECO
WEEDKILLER
For Better Landscaping

Venakontie 4, 74130 Iisalmi, Finland
+358 50 4900085

1. Introduction

This manual contains information for the user of the hot water weed controlling machine Eco Weedkiller, model Garden. There are two options available: 3 kW and 2 kW version, depending on the country (rated current 16 A or 10 A).

In the following pages we intend to give clear instructions on how to operate and maintain the product correctly and safely. Read this manual before using the product.

Do not modify the product without consulting the manufacturer or the dealer first! Any unapproved changes may lead to unsafe situations and to expiration of warranty.

2. Product information and safety devices

2.1. Product information

Eco Weedkiller Garden is designed to be used as hot water weed controlling device.

The weed controlling is accomplished with the hot water generated by the device. Hot water is generated by electrical heating element inside the device. Usual applications are gardens, stone paving's, terraces and other places where weed controlling is required. The device is designed for outdoor use only.

2.2. Safety devices

The device has been equipped with different safety devices, which improve safety. **Do not adjust, alter or remove any of them.**

- Safety valve: prevents the pressure from increasing over the adjusted limit
- Thermostat: prevents the water and heating element from over heating
- Pressure lock: prevents the safety cap to be opened when pressure tank is under pressure
- Cover and protection sleeve: prevent direct contact with hot surfaces

3. Safety levels

DANGER! Notification on immediate danger that can cause a serious body damage or lead to a death.

WARNING! Notification on possible danger that can cause a serious body damage or lead to a death.

LOOK OUT! Notification on possible danger that can cause minor damage.

NOTE! Notification on possible danger that can cause material damage.

4. Overview



Overview pictures:

- | | |
|--------------------|--|
| 1. Cover | 7. Lever for manual pump |
| 2. Safety cap | 8. Quick start instruction sticker |
| 3. Indicator light | 9. Alignment slot in safety cap |
| 4. Treatment lance | 10. Pressure lock (under the safety cap) |
| 5. Power plug | 11. Replacement sealing for safety cap |
| 6. CE-sticker | 12. Warning sticker: |

DO NOT OPER OR TRY TO OPEN THE CAP WHEN THE DEVICE IS HOT OR WARMING UP!



5. Operation

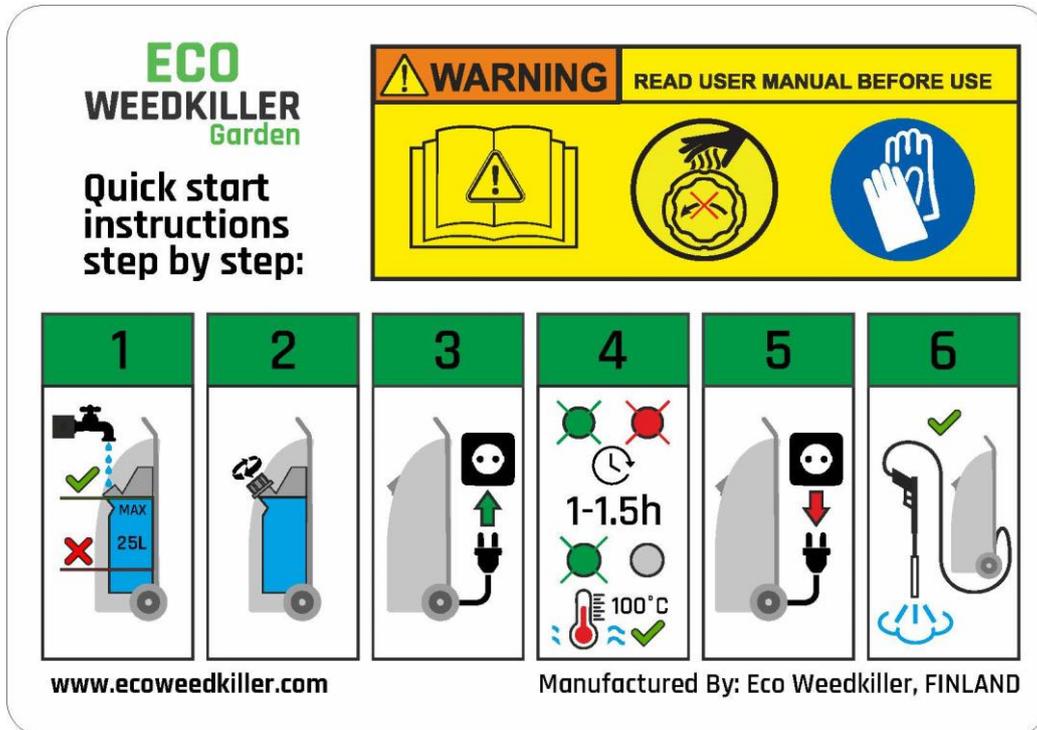
5.1. Safety statements

Before working with the product, please read the following safety statements carefully:

- DANGER!** The device produces boiling hot water. If splashed on, the boiling water will cause serious burns. Follow the instructions in this manual to ensure safe operation of the device!
- DANGER!** Do not remove any safety guards when working with the machine or when power is on! This may lead into an electrical shock!
- DANGER!** Do not make any changes in wiring of the product! This may lead into an electrical shock! Always use the help of professionals when doing maintenance on electrical components!
- DANGER!** Do not work with faulty product! If some problems occur, contact the dealer for technical support!
- WARNING!** Always read this manual before working with the machine! Make sure the person using this product has read this manual and understands it. If uncertain, contact the dealer for technical support.
- WARNING!** Never open or attempt to open the cap when the device is hot or warming up!
- WARNING!** Out coming water is hot, risk of serious burns! Do not point water stream into people, animals, electrical equipment or the product itself.
- WARNING!** Always completely fill the device with water before heating it. If the device is heated without water or with too little water, it will overheat and be damaged. Fire hazard!
- LOOK OUT!** If the safety cap is not tightened properly, or it is misaligned, there may be some steam coming from under the cap when device is heating / hot. Tighten the cap until steam is no longer leaking.
- LOOK OUT!** If the pressure inside the device increases too much, the excess pressure is released through the safety valve. During that there might be some steam coming out under the machine and a loud rustle noise be heard. This is completely normal function of that safety valve.
- LOOK OUT!** The use of gloves is recommended.
- NOTE!** Do not use sea water or salted water! Always prefer clean or filtered water. The use of surface or collected water is allowed but filtering is recommended.
- NOTE!** Do not add any chemicals or substances into the tank!
- NOTE!** Do not re-heat the water before the tank is filled again.
- NOTE!** The device is heavy, follow extreme caution when moving with the device.

NOTE! If the use of extension cord is required for powering the product, make sure it is suitable for rated current (16 A or 10 A, check products CE-sticker and chapter 9. Technical data). If uncertain, contact the dealer for technical support.

5.2. Step by step operation instructions



To operate the device, follow these step by step instructions below. See also the quick start instruction sticker.

- STEP 1:** Open the safety cap and add water until the tank is completely full. Use clean/filtered water. **Do not use sea water!** Tank is full when the water level is clearly seen from the filling neck. If tank is overfilled, excess water will leak out of the pressure lock and the filling neck (chapter 4, no. 10).
- STEP 2:** Insert and tighten the safety cap. Make sure that one of the alignment slots are aligned like in picture in chapter 4, no. 9. One of the slots should be pointed directly downwards.
- STEP 3:** Insert power plug to socket. Heating will automatically start. Red light indicates that heating is on, green indicates that the power plug is inserted, and power is on. If the use of extension cord is required to power the product, make sure it is suitable for rated current (see chapter 9. Technical data).

If steam is leaking under the safety cap when the device is heating, slightly tighten the cap. If this doesn't help, remove power plug from socket and wait until the device is cooled down. Then tighten the cap and repeat step 3 and continue to steps 4 and 5.

WARNING! Never open or attempt to open the cap when the device is hot or warming up!

STEPS 4 & 5: Device is ready to operate when red light goes off. When that happens, disconnect the power plug from the socket and coil the cord so that it's not in a way when moving or working with the device. **Never do weed controlling when the power plug is inserted. This may damage the heating element! Always disconnect the power plug before going to work!** The device will automatically keep the water at boiling temperature when heated for long periods of time. Heating will automatically go on and off if required.

STEP 6: Transfer the device to area where weed controlling needs to be done. Take out the treatment lance and point the head into weeds. Press the trigger gun and the water will flow out of the lance.

5.3. Manual pump

If the water flow decreases while working, use the manual pump to increase the pressure. To do that, use the lever (chapter 4, no. 7) in back and forth motion. When pressure is increased enough, weed controlling can continue. Normally pumping of 10-20 times will be enough.

5.4. Water temperature

Out coming water will sizzle and steam. That is normal when the water is at boiling point. If the water is not steaming or sizzling, that means the water is too cold to be used at weed controlling. Re-fill the device before re-heating it.

5.5. Re-filling the device

Before the device can be re-filled, the device must be allowed to release the pressure inside the tank.

The safety cap is designed to be locked when there is pressure inside the device. Do not try to force the cap open when the device is hot! When the device cools down, the pressure decreases, and the safety lock will open unlocking the safety cap. Then the device can be re-filled.

When the tank is empty, follow the instructions above to start working again.

5.6. Decalcification

To ensure long-term functionality, you should decalcify the device 1-4 times a year depending on how much the device is used. To decalcify, fill the tank with water, add antiliming agent as instructed and let it sit for about one hour. Then empty the tank and rinse it with clean water.

As limescale builds up in the appliance, the pressure lock function may be impaired. Check that the pressure lock moves freely and returns to the down position when the appliance is cold.

NOTE! Do not heat the device with the antiliming agent!

6. Storage and maintenance

Storage the device protected from rain in a dry place, preferably under shelter or a storage unit. For long time storage, for example wintertime storage, empty the tank. Cover may be cleaned using a moist cloth.

It is recommended to use the genuine Eco Weedkiller spare parts, which can be purchased from your local re-seller. See chapter 10. Technical support and spare parts. When doing maintenance on electrical components, always use the help of professionals!

7. Troubleshooting

DANGER! Risk of electrical shock! Power plug must be disconnected before any work on the device. Use the help of professionals when doing maintenance on electrical components!

- Heating doesn't work, water doesn't get hot
 - Make sure there is enough water
 - Make sure the power plug is connected into socket
 - Make sure that the socket works and gives power
 - Make sure the power cord is not damaged

- Water flow decreases / No water coming out
 - Make sure the water inside the tank is hot
 - Pump more pressure using the hand pump

- A lot of steam is coming under / between the safety cap
 - Tighten the cap and make sure the alignment slot is according to chapter 4, no. 9.
 - Check the condition of sealing ring from safety cap. Replace if needed.
 - If steam is still leaking, contact the dealer for technical support.

WARNING! Never open or attempt to open the cap when the device is hot or warming up!

8. Conservation of the environment



The packaging materials are recyclable. Make sure to recycle them accordingly.



Used device contains precious recyclable materials, which are to be recycled accordingly. Dispose old device ecologically.

9. Technical data

Power connection

Rated power	3 kW or 2 kW	(check CE-sticker)
Voltage	230 V ~50 Hz	
Rated current	14 A or 9 A	(check CE-sticker)
IP code	IP44	
Protection grade	I	
Water quantity	25 l	
Max temperature for water	+ 105 °C	
Max pressure	1 bar	
Flow	2-2,5 l / min	

Dimensions

Length	40 cm
Width	40 cm
Height	118 cm
Empty weight	26 kg
Weight with water	51 kg

Extension cord requirements

Eco Weedkiller Garden rated current:	Extension cord rated current:
14 A	min. 16 A (3 x 2,5 mm ²)
9 A	min 10 A (3 x 1,5 mm ²)

10. Technical support and spare parts

Technical support and Genuine Eco Weedkiller spare parts are available at your local Eco Weedkiller dealer:

11. Warranty Policy

If your device has defects related to materials, installation, or manufacturing, they will be repaired based on our warranty by, at our discretion, either repairing the device at our expense or by replacing the faulty device with a new one. Wear and tear due to normal use is not covered by our warranty.

The warrantor is not responsible for defects that, in their deviation from normal quality or serviceability, are proven likely to be the result of buyer's actions. These reasons can include, for example, an accident or misuse of goods and failure to comply with the seller-provided instructions for use or maintenance.

In warranty-related issues, please contact your Eco Weedkiller reseller or Eco Weedkiller place of purchase. The warranty is valid only for purchases for which there is a receipt with the following information: seller name and address, device type, and date of purchase.

The Eco Weedkiller warranty is valid for new devices sold to European consumers, and it is compliant with Finnish legislation. The warrantor is Eco Weedkiller, Venakontie 4, 74130 Iisalmi, Finland.

Warranty is valid for two (2) years (*) starting from date of purchase. Warranty will be void in case a device that is intended for consumer use is taken into professional use or it has been purchased by a company.

In case the device you have purchased is faulty, you have, based on the contract of sale, full legal rights to make claims towards the seller. The warranty issued by Eco Weedkiller does not limit these rights in any way.

(*) If the device is in professional or comparable use, the warranty is valid for one (1) year starting from date of purchase.