

# Operation Manual

## Electric Garden Tiller 1500 W

62419



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



The information contained in this document may alter at any time without previous notice. It is prohibited to copy or spread any parts of this document in any way without prior written allowance. All rights reserved.

The WilTec Wildanger Technik GmbH cannot be held accountable for any possible mistakes in this operating manual, nor in the diagrams and figures shown.

Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

Send an e-mail to:

[service@wiltec.info](mailto:service@wiltec.info)

or use our contact form:

<https://www.wiltec.de/contacts/>

The most recent version of this manual in various languages can be found in our online shop via:

<https://www.wiltec.de/docsearch>

Our postal address is:

WilTec Wildanger Technik GmbH  
Königsbenden 12  
52249 Eschweiler  
Germany

To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

Returns Department  
WilTec Wildanger Technik GmbH  
Königsbenden 28  
52249 Eschweiler

E-mail: **service@wiltec.info**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15



## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

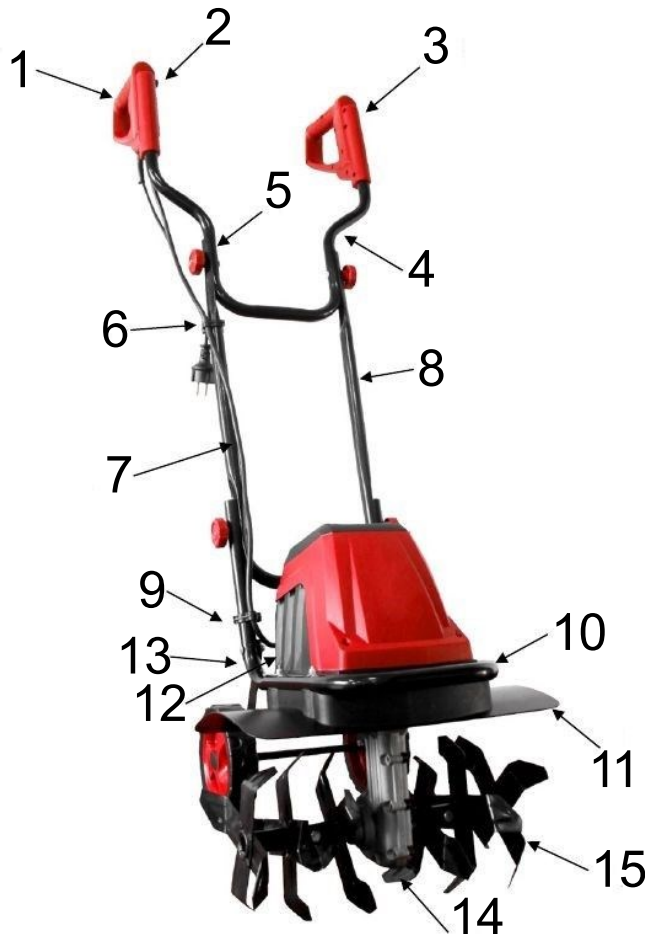
## Safety notes

- Read the operating manual thoroughly. Comply with all the safety notes and instructions stated in this manual. Non-compliance can lead to serious damage or personal injury.
- Before operating the device, familiarise yourself with the handling of the device. Keep the operating manual in a safe place for future reference.
- Only use the device according to the purpose described in this operating manual. An improper use can lead to personal injury and/ or damage of objects.
- Always keep the working area tidy and well-lit. An untidy and too dark working area increases the risk of injury.
- The device can only be operated by people with limited physical, sensory, and mental abilities, or lack of knowledge if they have been instructed on how to use the device by someone responsible for their health and safety and are being supervised by that person.
- Children must not use the device and need to be supervised around when being around it, to ensure that they do not play with it.
- Do not expose the device to rain. Do not use it in a wet or humid surrounding.
- Do not use the device near flammable or explosive liquids or gases.
- Keep the device away from other people and animals.
- Ensure that the electricity cable is not damaged. Keep it away from sharp or oily surfaces and corners. Do not pull the plug out of the socket by the cable.
- Do not use the device if the electricity cable seems damaged in any way. The damaged cable needs to be exchanged by a qualified technician.
- Maintain and service the device regularly. If the device has any damages, it can no longer be used. All maintenance work needs to be carried out by a qualified technician only.
- Do not use the device if you are tired or are under the influence of alcohol, drugs or medicaments affecting your consciousness.
- At all times wear adequate protective gear (working shoes, protective gloves, eye and hearing protection, etc.). Never use the device if you are wearing shorts or sandals or are barefoot.
- Pay attention to the rotating blades and avoid any contact with them, whilst these are in motion. Never touch the blades when these are rotating!
- **Attention!** Carrying out maintenance work or altering the device can only be done when the motor is switched off and the plug of the device is removed from the socket. The blades need to stand still and must not turn any longer.
- Visually examine the device before every use for damage. Ensure that the blades are attached accordingly and not damaged.
- Before starting to work, check the area needing to be processed and remove all pollutants (twigs, stones, etc.), which could get caught in the blades and could be flung up.
- Always keep the electricity cable away from the blades! **Attention!** Otherwise, serious injuries might occur!
- The device needs to be held with both hands on the handles. Keep the handles clean, free from oils and grease.
- During operation keep a minimum distance to the device.
- Only turn the device on when your feet have a safety distance to the blades.
- Ensure you have a stable and secure stand.
- Never lift or transport the device when the engine is still running.
- Store the device in a dry place, out of the reach from children.

## Functional description

- This hand-operated tiller is equipped with a maintenance-free electric motor and a transmission greased with oil. The tiller has six rotating tine wheels, which automatically dig into the ground. It is possible to dismantle the frame for easy storage.
- The most important functions are described on the following pages.

## Parts names



Nº	Name
1	On/off button
2	Locking button
3	Handle
4	Upper bar construction
5	Wing nut
6	Tension relief
7	Electricity cable
8	Centre bar construction
9	Cable clamp
10	Carrying handle
11	Protective cover
12	Motor cover
13	Lower bar construction
14	Transmission cover
15	Blades

## Assembly

### Caution!

- **Before assembling the tiller, ensure that the switch is in the off position, and the plug is disconnected from the mains supply. Wait until all rotating parts are standing still entirely.**
- **When mounting the cable, be careful and ensure that it is not damaged or is still under voltage.**

1. Place the wheels on the axis and tighten them with the included pads and the M5×12 screws.
2. Mount the wheel covers to the wheels and ensure that the wheel axis is covering the ends. To place them a hammer can be used.
3. Connect the centre bar to the bottom bar construction, then attach it with M6×45 screws.
4. Push the controller of the cable puller into the upper part of the bar construction.
5. Via the included M6×45 screws, as well as the wing nuts, the upper part bar construction can be connected to the centre piece.



6. Connect the handle with the upper piece of the rod via the ST4×20 screws.
7. Use the two included cable clamps to attach the cable to the rods.

## Commissioning

### *Before starting*

- Before every use, check the tiller visually: The tiller must not show any signs of damage.
- Thoroughly check the entire surface that needs to be processed and remove any foreign objects (stones, twigs, etc.).
- Before connecting the device to the mains electricity, make sure that the voltage of 230 V/50 Hz is not exceeded.
- Ensure that the tines are not touching any foreign objects and have enough space to move freely before turning the device on.

**CAUTION!** As soon as the motor is started, the blades will start to rotate.

**WARNING!** The blades will continue rotating for a few seconds after turning the motor off.

**NOTE!** Before turning the device on, make sure that the device is not touching any other objects and is held tightly with both hands.

### *Starting the motor*

- Connect the plug of the tiller to an extension cable. Connect the cable to the cable clamps, so that there is enough cable left to operate the device with an adequate length of cable.
- To protect the tiller from switching on accidentally, it is equipped with a safety switch which needs to be activated before the shift lever can be activated. Activate the safety switch (locking button **(2)**).
- Stand behind the device and pull the safety lever. Continue holding it. When the motor starts, the safety switch can be released.
- The blades will start rotating and will dig into the earth.
- If required, activate the safety switch to stop the motor and the blades.

**Warning!** Do not touch the rotating blades.

- Please take note of the instructions in this operating manual before starting the motor.
- Do not tilt the device when starting it.
- Keep all body parts (especially hands and feet) out of reach of the tiller.
- Hold the handles and the switch with both hands during the use of this device.

**Note:** If you let go of the switch during use, the engine as well as the blades will stop running.

### *Stopping the motor*

**Attention!** The blades will continue turning for a few seconds after switching the tiller of.

1. Let go of the shift lever, to stop the motor and the blades.
2. Remove the device from the electricity socket, to avoid an accidental start, when it is not supervised.

### *Information on the use*

**Always hold the device with both hands and pay attention to your feet, to avoid any accidents from happening. Be cautious when walking backwards, as a risk of tripping exists. Do not touch the transmission as it can get warm and cause burns!**



## Damage prevention

- Never lift or pull the device when the motor is running.
- Always lift the device when moving it across hard surfaces, such as tiles or stones. Do not move fast or abruptly.
- Switch the device off when finishing the work and disconnect it from the electricity supply for transport. Wait until the blades have stopped rotating.
- Move the device through the ground at a normal pace and as upright as possible.
- Always work away from the socket. Ensure that the cable is kept as far away from the working space as possible. Hang the cable into the belt clip which is included in the delivery.
- Overburden protection: The motor of the tiller will switch itself off automatically if it is overburdened. The device must not be used before the motor has entirely cooled down again.
- When working in slopes: Move diagonal to the slope, never from top to bottom. Be especially cautious when changing the direction on the slope. Do not work on overly steep slopes. There is a risk of injury if the tiller falls over, as well as the risk of the engine damaging due to inefficient lubrication. The maximum cross slope is 15°.

## Working with the device

- Always keep your hands and feet away from the tiller and its tines whilst working with it and especially when starting it. Otherwise, there is a severe danger of injury.
- The optimal operating temperature is between 0 °C and 32 °C.
- When working with the tiller, make sure to comply with all your local regulations and including the regulations on noise restriction. The operation of the device can be limited or even forbidden on certain days (e.g., Sundays, bank holidays, etc.) or in certain areas (e.g., near hospitals, spas, etc.).
- Do not use the device, on stones or grass, as the device can be damaged by this.
- Do not use the tiller in the rain, in bad weather or in humid environments (e.g., near swimming pools or ponds, etc.). Only use the device in daylight or in very good lighting conditions.
- Only use the device if you are well focused, not tired and are not under the influence of alcohol, drugs, or medicine. Always take a break, as soon as you notice you require one.
- Pay attention to your balance and ensure you have a stable stand when operating the device, especially in slopes. Do not work on overly steep slopes. If there is the danger of slipping on a steep slope, the tiller needs to be secured by a second person with a rod or rope. The second person needs to have a security distance from the tiller.
- Always hold the tiller with both hands during use. Ensure that the handles are dry and clean.
- Never use the device if any safety guards are damaged covers are missing, safety systems have been changed or damaged. Do not work with a damaged, incomplete device or with alterations which are not approved by the manufacturer.
- Do not overburden the tiller and use it only in the performance range it was designed for.
- Avoid damaging the device. Do not use any additional weights and do not pull the tiller over hard surfaces, like stones or stairs.

## *After finishing the work*

- Do not lift or transport the tiller whilst the engine is still running. If you wish to switch the working area, turn the engine off, wait for the blades to stop rotating and then disconnect the plug from the socket.
- Do not let the device be unsupervised, when leaving the work area.
- Always switch the tiller off, wait for the blades to stop rotating and then disconnect the plug from the socket, when
  - the device is not being supervised;
  - removing plant and earth residue from the device;
  - the device is not being used;
  - carrying out maintenance or cleaning work on the machine;
  - the electricity cable is damaged or is knotted;
  - the device is vibrating unusually.



### *In case of unusual vibration*

- Switch the engine off immediately and try and find the reason of the vibration. Vibrations are usually an indicator for something being wrong. If this should be the case, examine the device for any damage and have it repaired immediately, if necessary.
- Do not use the device in areas with a risk of fire or explosion.

## **Transport**

### *Transport by hand*

- Hold the device by its rod to lift it up and to be able to transport it.
- Never lift or carry the tiller if it is connected to the electricity supply.

### *Transporting the device in a vehicle*

- Turn the motor off and remove the electricity supply.
- Ensure not to let the tiller drop and do not place other items on top of it whilst transporting it.

## **Maintenance and cleaning**

### *Maintenance*

A correctly carried out maintenance is important for a safe, economic and trouble-free operation of the device. Only with regular and appropriate maintenance work, the warranty can be maintained. To allow an impeccable operation of the device, it is mandatory to have an annual check-up carried out by a qualified technician.

### **Warning!**

- **An improperly carried out maintenance of the motor or ignoring the repair of existing damages can lead to a motor damage and to serious injury and death.**
- **Before carrying any maintenance, cleaning or check-up work, the plug needs to be pulled from the mains supply and the motor needs to be cooled down. Wait until all moving parts are standing still.**
- Keep to the recommendations of this manual regarding the check-up, maintenance, and time frames.
- Keep the device in a well-maintained condition. If the safety and note labels on the device cannot be read anymore, they need to be replaced.
- After the season has finished, the device needs to be cleaned thoroughly, preparing it for the next season. Before using it again, check all components thoroughly.
- Check the tines regularly for damage.
- Always make sure that the ventilation holes are free of dirt.
- Check whether the extension cables have any sign of damage, before using the device. If the cable seems to be damaged or worn, it needs to be exchanged immediately. Keep the cable away from the tines.
- Ensure that all screws and nuts are tightened, for a smooth and safe operation.
- Replace damaged or worn parts, to ensure all safety measurements are in place and guaranteed.
- Only use original spare parts, as only these have been authorised and tested by the manufacturer. Other spare parts can cause unforeseeable damage.
- Maintenance service which is more complex or requires the help of special tools needs to be carried out by a qualified technician.
- The device needs to be checked-up on at least once per season by a qualified technician.



### Cleaning

Please clean the device only with a mild soap-water and make sure no water gets into the casing. Entering liquids can lead to damages.

### Storage

**NOTE!** Wait before the motor has cooled down entirely.

- Leave the motor to cool down in a closed room.
- Exchange damaged or worn-out parts frequently.
- Store the device in a dry, clean and frost protected area, out of the reach of unauthorised people.
- Clean all parts and equipment of the tiller carefully after use (see *Maintenance and Care* for reference). This will protect the machine from mould.
- Do not expose the device to direct sunlight.
- Cover the tiller with a suitable covering, which will hinder humidity from entering. Do not use a plastic foil as a cover. A non-permeable cover will capture the humidity and will encourage rust and corrosion.
- Ensure that the cable is not bend or knotted.



## Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

Address:  
WiTec Wildanger Technik GmbH  
Königsbenden 12 / 28  
D-52249 Eschweiler

Important notice:

The reprint or reproduction, even of excerpts, and any commercial use, even in part, of this instruction manual require the written permission of WiTec Wildanger Technik GmbH.