

**WEEDS  
DO NOT  
GO AWAY\***



**THEY  
DO NOW**

# Principle

Hot water is one of the most effective natural heat transfer medium. It is 20 times more efficient than most conventional thermal methods, such as gas. Our patented Unkrautfuchs system is based on a constantly controlled hot water method. The in-built intelligence ensures a permanent wetting of the weeds at more than 95° C. Only temperatures close to the boiling point are optimal for weed control.

## PRINCIPLE OF EFFECTIVENESS

The hot water (95° C) destroys the cell structure of the leaves of the plant. Photosynthesis can no longer take place any more. The plant can no longer absorb nutrients and dries out.

## TESTED SAFETY

As an owner-managed company, quality and reliability are particularly important to us. In order to guarantee outstanding customer service, we have a warehouse, maintenance and repairs directly on our premises. To ensure the high quality and optimum safety of our Unkrautfuchs we work together with the TÜV and have had it certified according to the latest TÜV/GS standards.



**Patented  
Technology**

**Unkraut  
Fuchs** 

Clearing the garden of weeds

**LOOK, HOW CLEVER IT IS**



**Work with  
pure water**



**Permanently fewer  
applications**



**20 times more  
effective than gas  
burners**



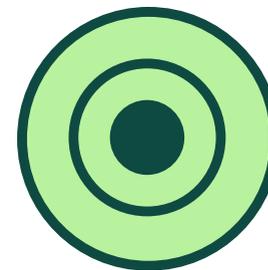
**No  
Fire hazard**



**Low operating  
and application costs**



**No danger for  
flora and fauna**



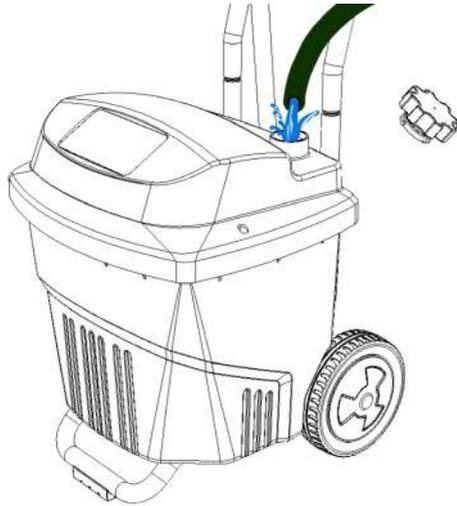
**Precise, pinpoint  
accuracy treatment**



**Can be used  
on all surfaces**

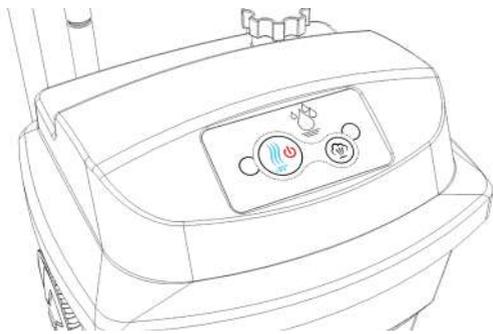
# How it works

1

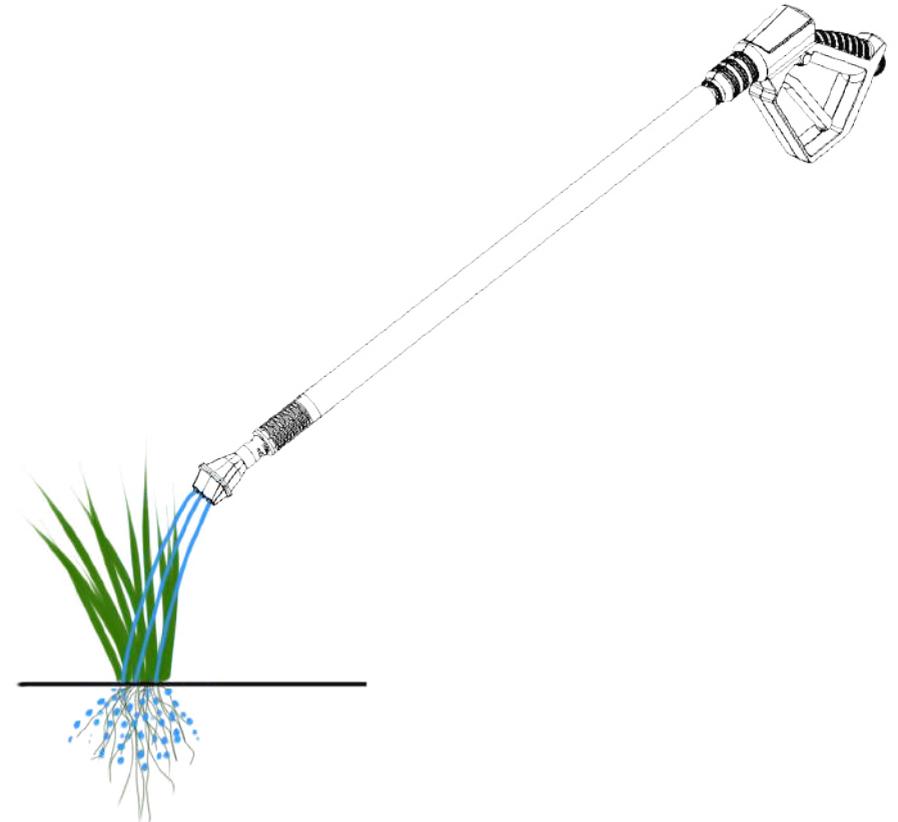


Pour the tap water into the 25 litre tank.

2



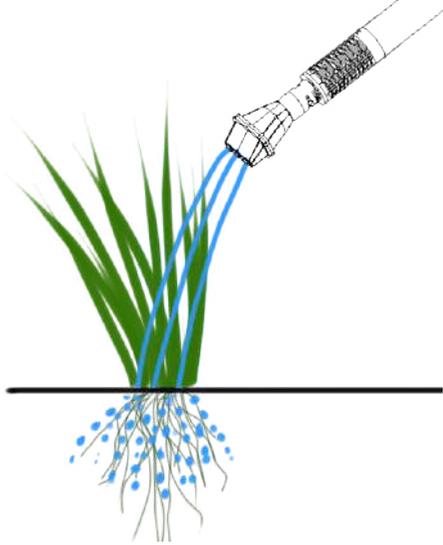
Switch on the Unkrautfuchs, it will be ready for use in approx. 90 seconds.



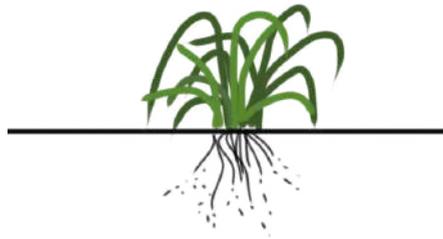
3

Spray the surface of the plant (leaves and stem). The hot water seeps down to the roots. And that's it!

The first effects are visible after a few hours, it takes up to 72 hours until the process is complete and the cell structure is destroyed.



Thanks to the optimum flow rate, it only takes a few seconds for hot water to cover the plant and reach its roots.



In the first 24 hours you can already recognise that the plant is dying. A change in colour is also visible.



The process until the plant is completely destroyed, including the seeds, takes about 72 hours.



Before the treatment

After 24 hours

After 48 hours

After 72 hours





# Unkrautfuchs System overview

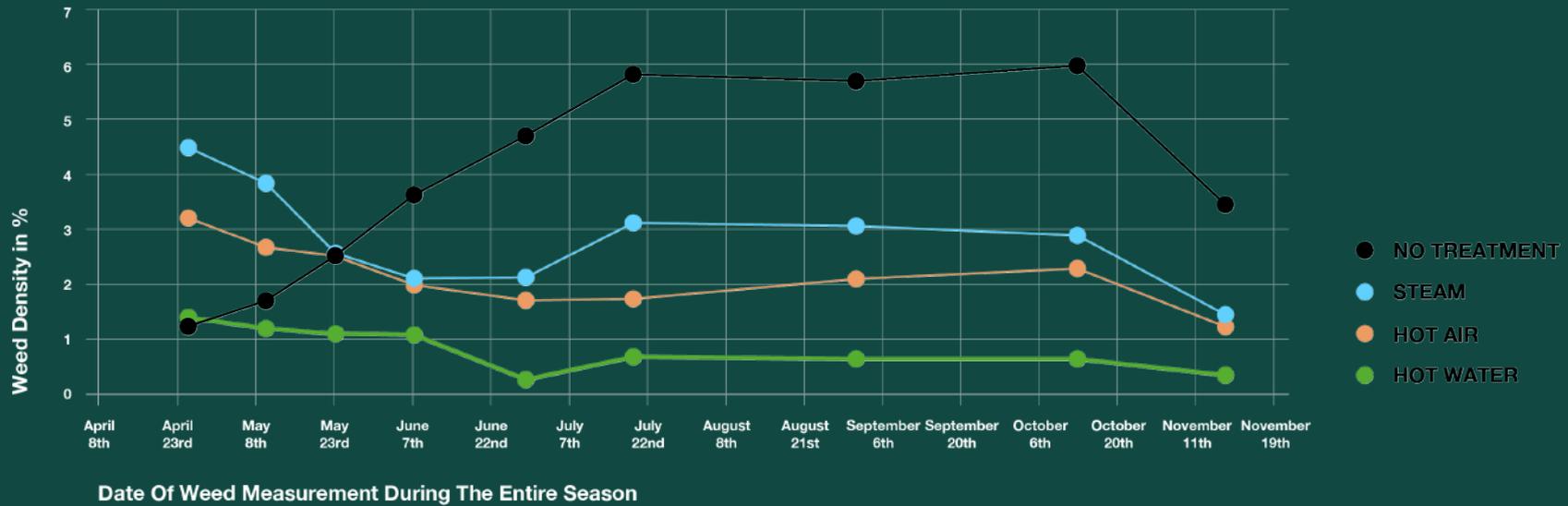
- ✓ The method is chemical-free and does not pollute the environment.
- ✓ Kills the root completely in an average of only 3-4 treatments (very effective).
- ✓ Problem-free use on terraces, paths, lawns and flower beds.
- ✓ No danger to insects, pets, etc.
- ✓ Can be used on high-quality ceramics.
- ✓ The specially developed nozzles enable targeted and pinpoint work, e.g. for individual weeds in the lawn.
- ✓ In contrast to the flaming devices, the Unkrautfuchs works without an open flame, so there is no risk of fire.

## Why is the hot water method a better solution than steam or hot air?

The experiment carried out by Dr. Ir B. De Cauwe at the University of Ghent showed that hot water has the highest thermal conductivity and heat capacity, which means that it provides the highest kill ratio compared to other provides.

“The hot water system can be applied precisely and the heat penetrates the root of the weed and kills it in a way that has no negative impact on our water, our environment, our staff or our wildlife.”

- ✓ 95 degree hot water can transfer up to 27 times more energy than hot air or steam.
- ✓ The hot water destroys the protein and cell structure and stops the photosynthesis.
- ✓ Thanks to gravity, the water flows downwards and reaches the plant quickly down to the roots.
- ✓ Hot air and steam always rise so that part of the energy (heat) disappears before it reaches the enters the system.

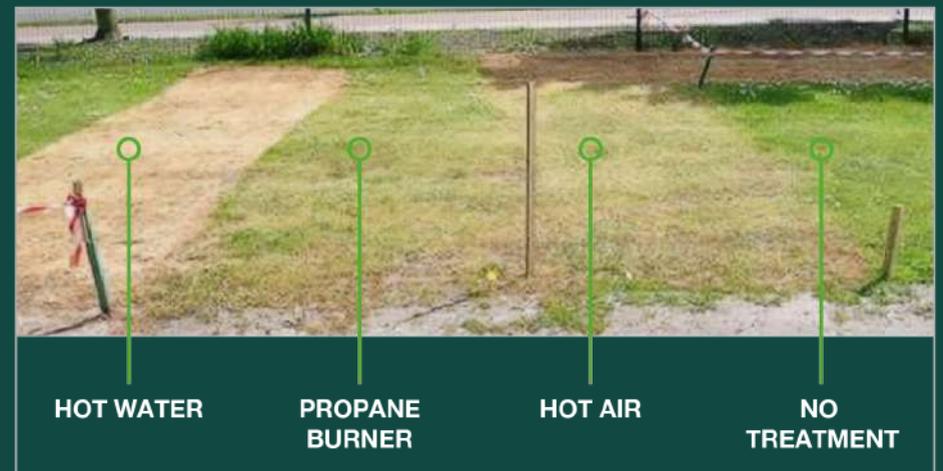


Date Of Weed Measurement During The Entire Season



A study carried out at the University of Copenhagen shows that treatment with hot water results in the lowest weed coverage, even with the lowest treatment frequency.

| Method    | Temperature / Pressure (100°C, 1 bar) | Specific Heat (kJ/kg-K) | Thermal Conductivity (W/m-K) | Energy Density (kJ/kg) |
|-----------|---------------------------------------|-------------------------|------------------------------|------------------------|
| Hot Air   | 100°C, 1 bar                          | 1,01                    | 0,03                         | 101                    |
| Steam     | 100°C, 1 bar                          | 2,08                    | 0,025                        | 2674                   |
| Hot Water | 100°C, 1 bar                          | 4,18                    | 0,682                        | 418                    |



# Specifications

|                          |  |
|--------------------------|--|
| PRODUCT NAME             | <b>Unkrautfuchs</b><br>- Biological weed control   |
| MODEL NAME               | <b>FoxOne</b>                                      |
| ITEM NUMBER              | <b>600300</b>                                      |
| PERFORMANCE              | <b>3500W</b>                                       |
| CURRENT VOLTAGE          | <b>220~240V 50Hz</b>                               |
| HEATING                  | <b>AC 220~240V 50Hz, 3500W</b>                     |
| SPRAY PRESSURE HOT WATER | <b>0.2~0.25Mpa</b>                                 |
| FLOW RATE HOT WATER      | <b>0.6~0.8L/min</b>                                |
| HEATING UP TIME          | <b>~50s</b>  |
| FLOW RATE STEAM          | <b>0.15L/min</b><br>(Based on the water volume)    |
| PUMP                     | <b>Industrial centrifugal pump,</b><br>supersilent |
| HOT WATER TEMPERATURE    | <b>&gt;95°C (203°F)</b>                            |
| STEAM TEMPERATURE        | <b>&gt;120°C (248°F)</b>                           |
| TANK VOLUME              | <b>25L</b>   |
| PROTECTION CLASS         | <b>IPX4</b>  |
| DIMENSIONS               | <b>50x40x120 (b x t x h) incl. Handle</b>          |
| NET WEIGHT               | <b>10kg</b>  |



**No chemicals,  
safe for the environment**



**The water is heated up to  
95 degrees in 50 seconds**



**Constant water temperature  
- 95 degrees**



**Steam function for the surface  
Cleaning and disinfection**



**Lightweight and portable**



**Patented technology**



## Steam function

Accessories for cleaning and disinfecting is included in the set



At the touch of a button, the Unkrautfuchs changes into a steam cleaner.

Various attachments ensure universal use.

**Unkraut  
Fuchs**





**Unkrautfuchs**  
*FoxOne*

Patented technology  
with system for constant  
temperature

Ergonomic  
gun



Steel tube with heat  
protection cover



Nozzle with 3 holes  
For best efficiency



2 m  
Flexible hose



Easy Fit Adapter  
For quick replacement  
of the nozzles



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