

Weed control with hot water



BioMant advantages at a glance:

- ▶ The most effective, cost-efficient and time-saving method when compared to other non-chemical methods
- ▶ Exceptionally eco-friendly heating and propulsion technology for minimal emissions
- ▶ Increased working speed thanks to a high water flow rate and temperature control system
- ▶ No fire hazard, no surface damage to treated areas
- ▶ 3-in-1: Weed control, high-pressure cleaning and control of moss and algae
- ▶ Various options for easy mounting and adaption thanks to modular design



Organic weed control with hot water

In public areas, other non-cultivated land and in organic productions as well as everywhere where the use of herbicides is not permitted or desirable, weed control with hot water offers an ideal and cost-effective solution.

BioMant machines destroy the cell structure of the weed with hot water (99,5°C), causing the plant to weaken and, after multiple treatments, die off completely. Highly efficient technology enables effective, economical and environmentally friendly weed control.

We provide different BioMant models for a wide variety of application areas.

BioMant-Compact

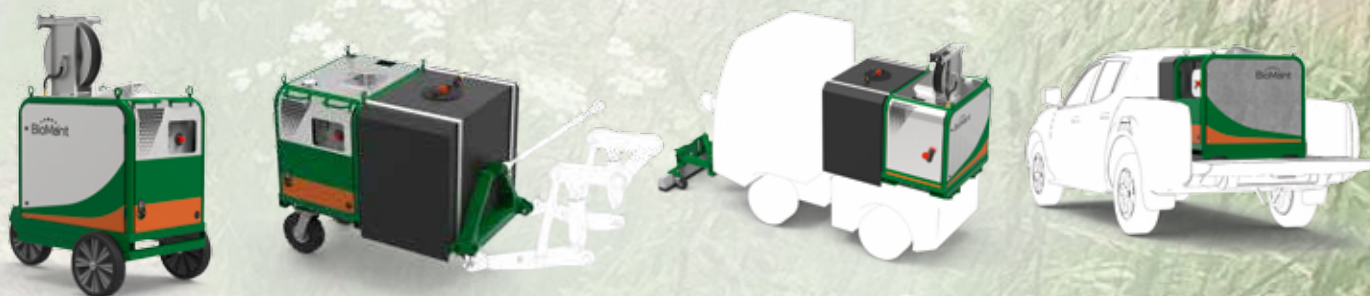
Thanks to its compact design and innovative add-on modules, the versatile BioMant Compact is ideally suited for use in gardens and on small surface as well as for the treatment of larger areas. A high water flow rate of 9 liters per minute ensures a fast working speed.

Two versions are available:

- ▶ **BioMant-Compact EL** with an electric pump, which requires a 230-Volt power supply
- ▶ **BioMant-Compact BE** with an integrated petrol engine to drive the pump

Both models are self-priming and can be connected to the water mains or used as an independent unit with a specially adapted tank module.

A 3-point-hitch for easy front or rear assembly, as well as a robust, easily movable tricycle chassis with large wheels for mobile use are available as optional modules. For transport and easy assembly on trailers and loading platforms of vehicles the modules are equipped with a SKID platform.



BioMant-Mini

As the smallest and most economical model, the BioMant-Mini is perfectly suited for use on small and difficult-to-access areas, where a water and electricity connection is available on site.

It is small, easy to move around and, with only 98 kg, very light-weight. This makes the Mini especially interesting for gardening companies, maintenance and caretakers, as well as for use in and around residential, office and industrial estates. A water flow rate of 8 l/min makes for very efficient working.



BioMant ONE | BioMant TWO

The BioMant-ONE and BioMant-TWO models are ideal for large surfaces. They are designed as independent systems, including its own water and power supply, but can also be connected to an on-board power supply. Thanks to the modular design a wide range of models and assembly options are available.

BioMant-ONE

ONE models are equipped with a single burner and provide a water flow rate of 15 l/min. They are ideal for working with one person at a time and have a maximum spray width of 60 cm and a working capacity of up to 1,800 m²/h.



BioMant-TWO = 2 x BioMant-ONE

TWO models have two burners and a water flow rate of 30 l/min. The spray width is max. 120 cm and its working capacity 3,600 m²/h. It allows for two people to work alongside each other.



Water heating

In addition to diesel, you can also opt for an environmentally friendly LPG model with up to 70% less CO₂ and almost zero soot emissions.

Water supply

Thanks to the high water flow rate (15 or 30 l / min), a high working speed can be achieved. With an extra pump and filter, the water tank can even be filled with surface or rainwater.

Power supply

With an integrated battery pack for significant noise reduction or with a separate hydraulic or fuel generator (on diesel, petrol or gas).

Temperature Control System (TCS)

The sensor-controlled temperature control system ensures a consistently stable output water temperature of 99.5 °C, allowing you to work quicker with guaranteed good results.

All models can be equipped with accessory spray hoods and arms (fixed or flexible) and thanks to their optimised design and reduced footprint, they provide a variety of options for mounting on all types of vehicles; electric, tractors, tool carriers, trailers, pickups, and others.



Take advantage of our new attachment spray beams:

- ▶ Easy to mount/dismount
- ▶ Can be controlled from the vehicle
- ▶ Hydraulic lateral adjustment
- ▶ Spray width up to 100 cm, as one or in parts
- ▶ Customised solution upon request

Application areas

BioMant machines enable efficient non-chemical weed control in, for example:

- ▶ Public areas, paths and squares
- ▶ Parks, gardens and cemeteries
- ▶ Sports fields and industrial areas
- ▶ In and around parking grounds

as well as in organic row cultivations like orchards and vineyards and organic farming e.g. for control of sorrel on grassland.



Professional spraying technology from MANTIS ULV®

With over 40 years experience in the development, production and sales of professional spraying systems for a variety of application areas and industries, Mantis offers high quality sprayers for the most efficient and user-friendly application of liquid preparations.

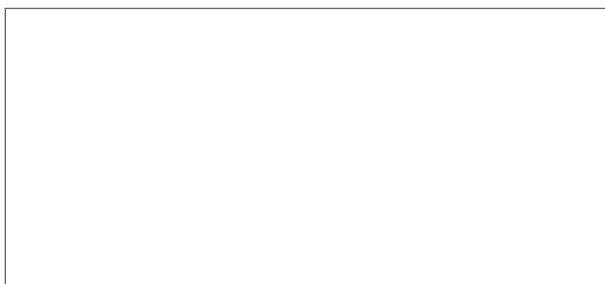
Beyond weed control, Mantis also offers MAFEX® spraying systems for crop protection (e. g. potatoes, fruit and silage), ROFA sprayers for insect control and disinfection, as well as a variety of MANTIS ULV® spraying systems and components for the public health sector and other industries like pre-fab concrete or food processing.

As the specialist in professional weed control, Mantis offers spraying solutions for herbicides, bio-herbicides and hot water.

MANKAR®

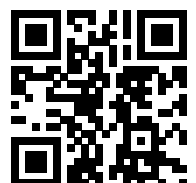
BioMant

Please visit our website www.mantis-ulv.com for more information on the latest products and developments.



We can help you find the right solution!

MANTIS ULV®
SPRAYING SYSTEMS



January 2019 · Technical changes reserved.