

# Weed control with hot water



## BioMant advantages at a glance:

- Chemical-free and allowed everywhere where the use of herbicides is not desired
- More effective and cost-efficient than other non-chemical methods
- Particularly quiet and environmentally friendly heating and propulsion technology with minimal air pollution
- Optimal working speed thanks to high water flow rate
- No risk of fire or mechanical damage to treated surfaces
- Various adaptation and expansion possibilities thanks to modularity
- Optimally designed accessories
- Multi-functional systems: weed control, treatment of moss and algae, disinfection, watering and high-pressure cleaning\* in one device (\*depending on model).



## Chemical-free weed control with hot water

Under the name BioMant = Bio + Mant(is), Mantis offers spraying systems for chemical-free weed control.

Wherever the use of herbicides is not permitted or not desired, thermal weed control with hot water offers an effective and economical solution for environmentally friendly weed management. Using highly efficient technology, BioMant machines destroy the cell structure of the plant with 99 °C hot water thus causing the upper part to wilt. After multiple treatments the plant grows so weak that it dies off completely.

The BioMant product range includes a variety of machines to provide you with the best possible solution for your weed management requirements.



## BioMant-Mini

The smallest and most affordable model, the BioMant-Mini, is ideally suited for use in small, difficult-to-access areas where water and electricity are available on-site.

It's small, agile and very light at only 98 kg but still has a water flow rate of 8L/min. This makes it particularly interesting for landscaping companies and caretakers who maintain small areas around residential and company buildings. The BioMant-Mini can be combined with a spray cart for increased working speeds.



## BioMant-Compact

Due to the compact design and innovative additional modules, the versatile BioMant-Compact machines can be optimally adapted for use in gardens and on small surfaces as well as for the treatment of larger areas. The high water-flow rate of 9L/min ensures a high working speed.

Two models are available:

- **BioMant-Compact EL** with an electric pump that 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 used as a self-sufficient unit with or without a tank module specially adapted for the BioMant-Compact.

A 3-point hitch for easy front or rear attachment to a vehicle as well as a stable, easily steerable wheeled chassi for mobile use are available as optional modules. The BioMant-Compact machines can also be equipped with a SKID for easy transport and installation on trailers and vehicle loading platforms.



## Areas of application

BioMant is the most effective method of weed control wherever the use of herbicides is not permitted or desired. It enables chemical-free weed management in areas such as:

- Municipal areas
- Industrial plants
- Gardening and landscaping
- Playgrounds and schoolyards
- Sports facilities and tracks
- Cemeteries
- Residential or commercial properties
- Traffic and retail areas
- Container cultures
- Organic cultivations in horticulture
- Row crops
- Combating invasive exotics
- Oak processionary moth control
- as well as many other areas
- BioMant devices can also be used for other applications such as disinfection, cleaning, watering and treating moss and algae.

### BioMant-Flex



### BioMant-ONE



The BioMant-Flex and the BioMant-ONE-LPG models are ideal for use on large surfaces. They are designed as a location-independent system with self-sufficient water supply and, thanks to their optimised modular design, offer a wide range of installation options on tool carriers, electric vehicles, tractors, trailers, pick-up and other vehicles. All models are available with different attachment spray hoods (fixed or flex spray hoods) and extension arms.

The Flex and the ONE score with an integrated battery pack for significantly less noise pollution but can also be powered via the vehicle hydraulics or via a separate hydraulic or fuel-powered power unit.

The high water-flow rate (15L/min) enables an optimal working speed. Instead of a diesel burner, an environmentally friendly gas burner is also available for these models for up to 70% less CO<sub>2</sub> and almost no soot emission.



### BioMant Accessories

A wide variety of accessories and specially adapted add-on modules are available for the BioMant machines. The range includes various lances for weed control and high-pressure cleaning, as well as spray trolleys, dirt busters and surface cleaners, hose reels, spray bars (incl. hydraulic or with flex spray hoods), wheels, electric trolley and various tank modules and much more.



Please check our website for more information.



### Professional spraying technology from MANTIS ULV®

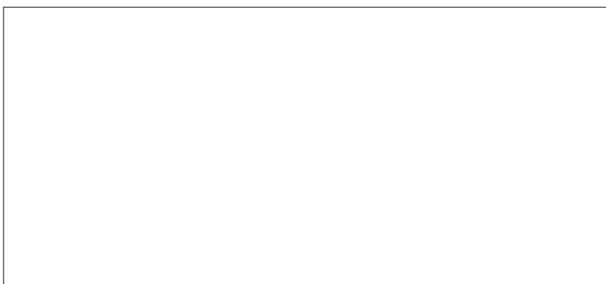
With over 40 years' experience in the development, production and sales of professional spraying systems for a variety of application areas and industries, Mantis offers high quality sprayers for the most efficient and user-friendly application of liquid preparations.

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 BEMA® and MANTIS ULV® spraying systems and components for the 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.



Please visit our website [www.mantis-ulv.com](http://www.mantis-ulv.com) for more information on the latest products and developments.



We can help you find the right solution!



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