

Herbicide ULV spraying systems

MANKAR®



Efficient weed control without water
with up to 80% herbicide savings

MANKAR HQ

with additional monitoring
functions!

THE all-rounder among MANKAR ULV
spraying systems from March 2012 with

- Lid of reservoir with closable air vent
- Battery and motor monitoring with LED light
- Flow control
- Protection cover for the spray hood



Lid with closable air vent



Monitoring with LED light



Flow control



Protection cover



best available technology

MANTIS ULV®
SPRAYING SYSTEMS

MANKAR HQ

Art.-No. 102900 (with ABS carrying case)

Art.-No. 103263 (in a cardboard)

New monitoring functions from 2012:

- The **flow control** allows a visual check of the flowrate.
- A new **monitoring function with LED light** allows more confidence in the sprayer: The LED glows green if the MANKAR HQ is operating correctly. If the battery has to be recharged it glows yellow. A red glowing LED means that the function of the atomiser has to be checked and – if necessary – recovered (e.g. cleaning the sprayer if the atomiser is glued by herbicide).

Ease of use:

- The adjustable spraying width between 15 and 45 cm is fixed automatically without having to tighten any screws or nuts.
- The weight of the device has been reduced to 2.4 kg
- Thanks to optimum ergonomics, the device feels well balanced in the hand. A carrying strap also makes things easier.
- Thanks to a **lid with closable air vent** it's secure that there is **no herbicide leaking out** if the sprayer is layed down on the side or packed into the optional ABS carrying case.
- A **protection cover for the spray hood protects the atomiser from pollution and ensures that no herbicide drips out.** Thus als transportation in a car is unproblematic.
- The sprayer is delivered alternatively in a card box or with an ABS carrying case for secure transport and storage of the MANKAR HQ.

Robustness and durability:

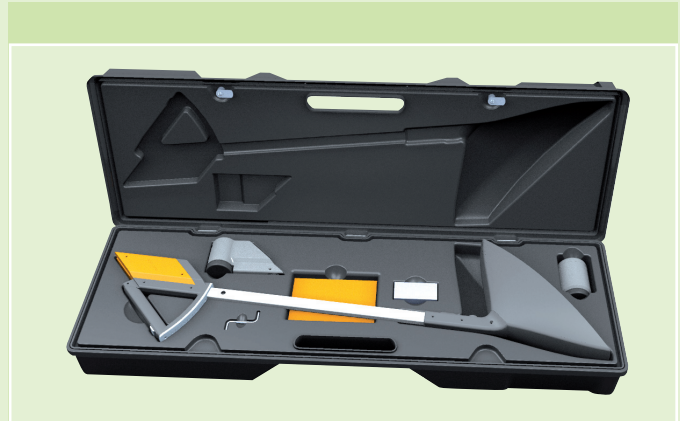
- All materials are extremely dimensionally stable, robust and UV-resistant.
- All components are protected very well against damage as a result of integration into the housing.

All-rounder for any area of application!

- Gardening and landscaping, graveyards and communal areas
- Nurseries and Christmas tree nurseries
- Vegetable gardens
- Ornamental plant gardens
- Orchards and vineyards

... and as a **starter model for anyone** wanting to familiarise themselves with ULV technology before moving on to larger MANKAR Roll and MANKAR Drive spraying systems as hand-push devices or tractor attachments/hitches!

Contact field



Technische Daten

Spray width	15 – 45 cm, infinitely adjustable by rotating the spray hood
Number of nozzles	1
Metering	gravity fed / metering valve
Tank volumes	500 ml
Surface coverage	up to 5,000 m ²
Weight	2,4 kg
Operating time	8 hr. per battery charge

The patented segment rotary atomiser from Mantis is also the core technical element in the new MANKAR HQ. This is still the only atomiser that enables the targeted downward discharge of undiluted herbicides like Roundup® UltraMax or Basta®/Finale®. With the required volume can be reduced through this efficient spray technology for example by up to 80% depending on the surface area and extent of weed coverage, or a tank filled with 0.5 l is sufficient for up to 5,000 m². In close cooperation with the Hamburg University of Technology (TUHH), Mantis is continuing development work on all MANKAR ULV spraying systems.

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MANTIS ULV®
best available technology

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