ECOLOGICAL STEAM WEED CONTROL

ECO GP
✓ innovative
✓ no pesticides
✓ 2 functions:
  • Steam weed control
  • High pressure washing
✓ 3 models

WWW.MMSPRAY.IT
System for the removal of weeds (especially between rows) without the use of pesticides but by means of steam with a patented delivery system (patent no. MO2012A000143) which allow treatment speed comparable to traditional systems.
THE STEAM WEED CONTROL IS A MODERN AND ENVIRONMENTALLY FRIENDLY MEANS FOR THE TREATMENT OF THE AREAS SUBJECT TO THE GROWTH OF WEEDS WITHOUT RISK OF FIRE AND WITH THE MAIN ADVANTAGE OF OFFERING A TREATMENT WITHOUT RELEASE OF HARMFUL AND TOXIC RESIDUES ON THE GROUND.

THE PROCESS

The water contained in the tank reaches a temperature of 140°C in "weeding mode".

The booster pump is driven by a hydraulic motor powered by the tractor while the oil burner of the boiler is operated from the 12V tractor’s battery.

The process of weeding takes place thanks to water heated in a gradual manner in accordance with the vegetative state of the area to be treated; most of the weeds will dry at the first passage; the other will weaken and the most tenacious weeds will grow more slowly.

With subsequent treatments you will get a further degradation of the cellular structure that will nevertheless complete the elimination of weeds. On average it takes 3/4 treatments per year.

The speed of treatment recommended varies between 1,5 and 3,5 km/h depending on the type of vineyard/orchard and the type of vegetation.

The consumption of water and fuel changes depending on the area to be treated, the type of the boom (single or double) and the working pressure. The consumption of water will be about 480 to 650 L/h, that of diesel will be from 4 to 7 L/h for each boiler.

ECO GP is a multi-purpose machine able to offer also a system of cleaning and disinfection of equipment and environments with steam.
**WATER TANK**
- 500/800 L Self-supported stainless steel tank with 3-point tractor linkage
- 600/2000 L Articulated tank
- 500/1000 L Trailed tank.

**ENGINE**
Hydraulic engine for tractor linkage.

**OPTIONAL EXTRAS**
- Manual boom for 40 cm working width.
- Nozzle for high pressure washing
- Lateral inter-row hydraulic boom - single or double - for 50 cm working width on each side
- Kit with a vertical piston for inter-row boom.

**BURNER**
- **CAPACITY**: 150 kW for 2 booms
- **CONSUMPTION**: 6,5 L/h with boiler of 150 kW
- **FUEL TANK**: 45 L for about 8 hours of heating - use at max. temperature.
- **BURNER**: 12V with connection to the tractor’s battery
- **PRESSURE PROTECTION**: safety valve
- **MAX TEMPERATURE**: 140°C
- **TEMPERATURE FROM THE LANCE**: 110°C (depending on the external temperature)
- **COMBUSTION QUALITY**: less than 400 ppm of CO Opacity under 2

**PUMP AND HOSES**
- **TYPE**: High pressure pump with 3 ceramic pistons and brass head
- **MODEL**: Annovi Reverberi SXM 18.20 18 LPM 100 BAR
- **Rmp**: 1450
- **PRESSURE REGULATOR**: 10-80 BAR
- **HOSE**: 10 m thermally insulated for steam
- **LANCE**: 90 cm lance with steam hood

**DIMENSIONS AND WEIGHT**

<table>
<thead>
<tr>
<th>Model</th>
<th>L x W x H</th>
<th>Dry Weight</th>
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<tbody>
<tr>
<td>ECO GP 500L MOUNTED</td>
<td>cm 107x112x155</td>
<td>390 kg</td>
</tr>
<tr>
<td>ECO GP 800L MOUNTED</td>
<td>cm 107x150x155</td>
<td>430 kg</td>
</tr>
<tr>
<td>ECO GP ARTICULATED</td>
<td>cm 107x90x110</td>
<td>180 kg</td>
</tr>
<tr>
<td>ECO GP TRAILED</td>
<td>cm 120x280x182</td>
<td>430 kg</td>
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