

MSRL 40-CR, MSRL 60-CR and MSRL 100-CR SOWING / FERTILIZER

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MSRL 60-CR Sowing / Fertilizer

The MSRL 40-CR, MSRL 60-CR and MSRL 100-CR developed by IKEDA in partnership with EMBRAPA perform broadcast seeding of seeds, fertilizers and soil correctives and are operated by a 12 V DC motor.

They can be coupled to any vehicle that provides a voltage of 12 V DC, such as tractors (to their bumpers), coupled implements and sprayer bars, enabling, in the same operation, the distribution of supplies.

It is offered in three versions: MSRL 40-CR, MSRL 60-CR and MSRL 100-CR, which differ only in the volume of their seed reservoirs, respectively 40 liters, 60 liters and 100 liters.

MSRL-CR en Pulverizadores

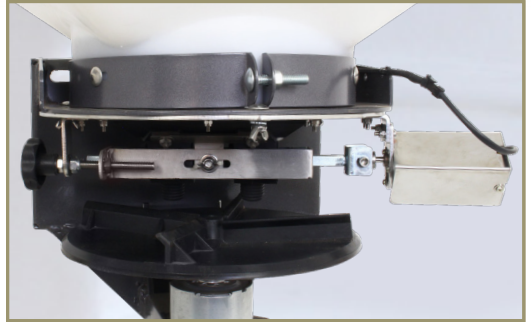


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Control Box



Opening/Closing Drive Unit



MSRL
100-CR
on tractor



Main Characteristics:

- Seeds reservoir of 40 liters (MS 40-CR), 60 liters (MS 60-CR) and 100 liters (MS 100-CR).
- Remote Opening and Closing of the Dosing Register. A single switch turns the electrical motor on, opening the register and turns the motor off, closing the register.
- Easy installation in any vehicle.
- Spreading range adjustment between 3 to 10 meters, through digital adjustment of the electrical motor rotation, with memory of the last adjustment.
- For better coupling to the front bumper of the tractor, a "Backplate T" is offered, which allows its attachment between the front counterweights of the tractor.

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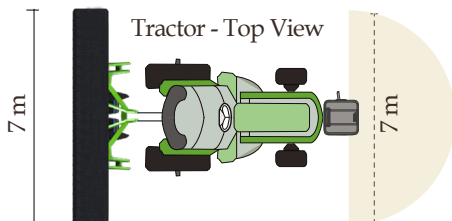
Adjustment of tractor dose

Example of Adjustment 1: Sowing MSRL 100-CR assembled in front of tractor, pulled a planter or a compacting roller with the width L of 7 meters.

- Work Width: $L = 7 \text{ m}$

- Work Speed: $V = 4 \text{ km/h}$

- Seed dose: $D = 5 \text{ kg/ha}$



$$Q = 1,67 \times L \times V \times D \rightarrow Q = 1,67 \times 7 \times 4 \times 5 \rightarrow Q = 234 \text{ g/min}$$

- Theoretical Yield = 2.8 ha/hour (without maneuver or interruption)

- Autonomy = 10 hectares (approximately 3 hours and a half)

Adjustment of sprinkle dose

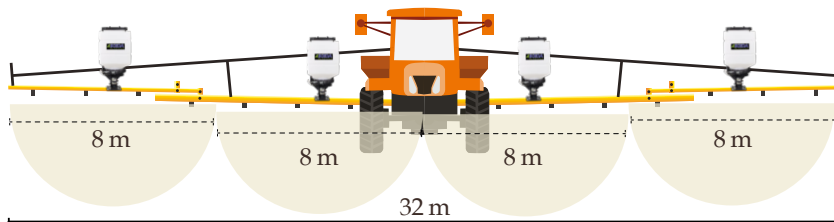
Example of Adjustment 2: Four sower MSRL 60-CR F15 assembled in the sprinkle bar of 32 meters of width.

- Total Work Width: $L = 32 \text{ m}$

- Work Speed: $V = 10 \text{ km/h}$

- Work Width by MSRL-CR: $L = 8 \text{ m}$

- Seed dose: $D = 7 \text{ kg/ha}$



$$Q = 1,67 \times L \times V \times D \rightarrow Q = 1,67 \times 8 \times 10 \times 7 \rightarrow Q = 935 \text{ g/min}$$

- Theoretical Yield = 32 ha/hour (without maneuver or interruption)

- Autonomy = 17 hectares (approximately 30 minutes)