



Ceres 450 4 row trailed potato planter

Now that the potato planting season is upon us, we have a newcomer in the field. Potato machine manufacturer AVR is launching the trailed Ceres 450 combined potato planter. The Ceres 450 is a 4-row trailed potato planter with a hopper capacity of up to 3,500 kg (4x75 cm) or 4,000 kg (4x90 cm).



■ The Ceres 450 in a nutshell

The Ceres 450 is a 4-row trailed potato planter with a hopper capacity of up to 3,500 kg (4x75 cm) or 4,000 kg (4x90 cm).

Each individual potato row assembly can be disconnected manually (electrical also available as an option).

The total wheel movement from left to right is 30° (+15°, -15°). The clever mechanical design ensures that the rotation axis always remains vertical, and that the wheels constantly remain in contact with the ground.

■ Advantages of the trailed assembly

When planting potatoes, the main advantage of a trailed machine besides the weight distribution is the fact that the user can also combine the Ceres 450 with tilling equipment, such as the specially designed AVR GE-Force C ridge cultivator, the basic AVR GE-Force and with other brands.

■ Culti Control

The Culti Control is a useful option. It ensures that the GE-Force C always maintains a constant cultivation depth, enabling the user to avoid double passes. The potato planting depth is always set independently.



■ Straight or round-sided ridges

To obtain a good ridge, it is vital to not only select the correct ridging hood, but also to set it correctly. The 4x75 version is therefore equipped with a narrow top ridging hood with round sides or a wide top hood (wear plates with special coating made from Boron 27) with straight sides. The 4x90 version is equipped with a wide top ridging hood (also made from Boron 27 wear plates) and straight sides. The ridging hood is operated as standard by means of an automatic pressure control. The accumulator in the hydraulic circuit ensures that the hood is always kept under constant pressure. The user can also opt for the well-known PDC system (Proportionally Distance Controlled). This system uses two ultrasound sensors to measure the amount of soil in the hood. Based upon this input, the pressure on the hood is adjusted in order to maintain even ridging.

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Ceres 450

4 row trailed potato planter

The tipping hopper on a potato planter without a ridging hood can be lowered to such an extent that a trailer full of seed potatoes can be unloaded straight into the hopper of the potato planting machine. This only requires dismantling the wooden beam.

■ Soil and crop protection

Protecting the soil during the potato planting process? The anti-erosion option moves up and down to create small terraced levels between the earthed up ridges. This terracing prevents the soil from being washed away during heavy rainfall. The potato planting machine can also be fitted with a fertilizer, a powder, grain and/or spraying system to protect the crops.

■ Control

The control panel of the Ceres 450 is designed in the same way as all the other AVR machines. The user can use the 7" touch screen to programme the macro functions, e.g. to ensure that the row can be started and finished in the same way, with just one push of the button. The associated joystick is ergonomically designed. If the tractor can be equipped with a GPS system, it will be able to control two aspects: on the one hand, switching the potato planting channel feeders, their vibrators and jets on and off, and on the other hand, the spray path system.



AVR manufactures an entire range of potato growing equipment (and other bulbous and tuberous crops). This includes equipment for planting bed preparation, planting, ridging, topping, harvesting and post-harvest handling and storage. AVR bvba is a Belgian company with headquarters in Roeselare, Belgium. The in-store equipment is manufactured in Veendam, Netherlands; the other machines in the range are manufactured in Roeselare, Belgium.

AVR's mission is to ensure that customers can harvest more marketable product with less input. In this process, AVR always stays true to its core values: reliability, single-mindedness, commitment.

With our Keen & Green philosophy, we focus on product innovation, development and high-quality manufacturing to meet market requirements. On the one hand, the 'Keen & Green' label stands for smart, market-oriented solutions (Keen) that improve efficiency, and on the other hand, for sustainability in terms of the use and consumption of the machinery (Green). In order to be able to provide the best possible service to its customers and dealers, AVR operates and invests in an extensive Service Department. AVR has an international workforce of approx. 130 employees, and a network of 105 dealers in more than 40 countries. In 2016, AVR achieved a turnover of 52 million euros.



Ask for more information, we'll be happy to help you:

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