



PRESS RELEASE

Trailed fertiliser spreader AXENT 90.1

KUHN completes its range of centrifugal fertiliser spreaders
with the new large trailed model, AXENT 90.1!

The AXENT 90.1 is a highly autonomous tool with a hopper capacity of 9,400 litres. Not only can it spread up to 400 kg/ha over 36 m at more than 20 kmph, with precision, but it can also work at widths of up to 50 m. It is equipped with the AXIS Power Pack spreading module with mechanical drive, so a low hydraulic flow is sufficient to power the conveyor belt. With these features it is adapted to a wide range of tractors from 180 hp.

The AXENT 90.1 fertiliser spreader boasts numerous high-tech features: the EMC, CDA, VARISPREAD 8 or PRO, and fully automatic conveyor belt. A winning combination to ensure that crops get the right dose of fertiliser and costs are kept under control.

- **Exclusive EMC technology (Electronic Massflow Control)** makes it possible to adjust the application rate, independently and automatically on the left and right, every second. The idea is simple: fertiliser flow is measured on each disc so that in the event of clogging or blockage, the flow rate of the outlet concerned is corrected immediately and automatically to provide the right dose of fertiliser on each side.
- **The CDA distribution system** makes spreading more precise and constant, even when there are variations in application rate, working width, and ground speed. An ultra-slow agitator (17 rpm over 360°) feeds the discs and is gentle with granules. The specific design of the metering outlets, in three points, ensures that the spreading discs are supplied progressively and uniformly. In addition, an outlet chute guides the fertilizer to the spreading discs to ensure an accurate drop point.
- **The VARISPREAD equipment** allows adjusting the working width directly from the tractor's ISOBUS terminal. With the VARISPREAD 8, the rate of fertiliser can be reduced progressively on 8 sections, 4 per side. VARISPREAD PRO section control consists of two electric motors, called SpeedServos, that are 2.5 times faster than a traditional cylinder. The SpeedServos enable high-speed and continuous working width adjustment by modifying the drop points and the fertiliser application rate over one-metre sections. This results in the spread fan being perfectly adapted to the shape of the plot, with optimum cover, even at high speeds.
- **A fully automatic conveyor** is located in a pre-chamber above the spreading discs. This means that the driver does not need to activate it to supply the AXIS Power Pack with fertiliser. Precise and regular fertiliser supply to the spreading modules guaranteed!

The AXENT 90.1 fertiliser spreader also boasts numerous **comfort features that improve the user experience.**

- **A hopper equipped with silent block suspension.** Hopper vibrations are reduced, and spreading is more precise and regular. Driving comfort is ensured in the field and on the road.



- **Four weighing cells** make it possible to monitor the amount of fertiliser in the hopper continuously and directly on the ISOBUS terminal or with the Spreadset application on a Smartphone. A real advantage in logistics optimisation and for anticipating refilling.

In terms of electronics, the machine is controlled with the CCI 800 or CCI 1200 ISOBUS terminals or any other ISOBUS terminal available on the farm. These terminals have numerous functions such as application-rate modulation with application maps, biomass sensor, and automatic section control with VARISPREAD 8 or PRO. It is also possible to use an AUX-N joystick like the CCI A3 with colour touch screen. Finally, KUHN Connect solutions and the MyKUHN portal optimises the user experience by enabling data to be transferred from the machine to the office, for instance.

All these great features make the AXENT 90.1 an ideal tool for contractors and arable farms. The first machines will be available for the 2024 fertilisation season.

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