Precision Fertilizer Spreader

AXIS 25









PRECISION FERTILIZER SPREADER **AXIS 25**

ENGINEERED FOR PRECISION.
BUILT FOR PRODUCTIVITY.

The KUHN Axis® 25 precision fertilizer spreader is engineered to help growers maximize nutrient efficiency, increase productivity and take full advantage of modern precision farming practices. As a modernized mounted spreader, it offers a dynamic combination of innovative technology and high areal coverage, maximizing efficiency in daily use.

Built around KUHN's exclusive CDA (Coaxial Distribution Adjustment) technology, the Axis 25 maintains a consistent spread pattern across changing field conditions, helping ensure accurate nutrient placement regardless of travel speed, application rate, or working width. With new high-performance spreading discs capable of working widths up to 140 ft. (42 m) and industry-leading application rates up to 1,488 lbs./min. (675 kg/min.), operators can cover more acres in less time while maintaining exceptional spreading accuracy.



GREATER AUTONOMY WHILE REMAINING COMPACT
The new Axis 25 fertilizer spreaders combine increased capacity with exceptional versatility. Offering capacities from 53 to 123.7 ft³ (1.5 to 3.5 m³), they deliver longer working intervals between refills while maintaining a compact footprint. The perfect balance for farms looking to boost productivity without stepping up to a larger spreader.



HIGHER FLOW RATE WITH THE SAME SET OF DISCS
On the new Axis 25, the outlet opening has been increased by more than 30%, while retaining its characteristic shape that eliminates the dose effect and ensures even distribution. These new high-performance spreading discs provide working widths up to 140 ft. (42 m), including up to 120 ft. (36 m) with urea and industry-leading application rates up to 1,488 lbs./min. (675 kg/min.), operators can cover more acres in less time while maintaining exceptional spreading accuracy.

A WEIGHING FRAME
The optional weighing frame is equipped with two loading cells, one on the left and one on the right, allowing continuous measurement of the remaining weight in the hopper every second. In addition to displaying the remaining quantity in the hopper, the weighing frame enables the simultaneous regulation of both outlets every second on the Axis 25, starting from the very first meters of spreading. This technology eliminates the need for calibration tests.



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PROVEN TECHNOLOGIES SERVING PRECISION



CDA DISTRIBUTION SYSTEM

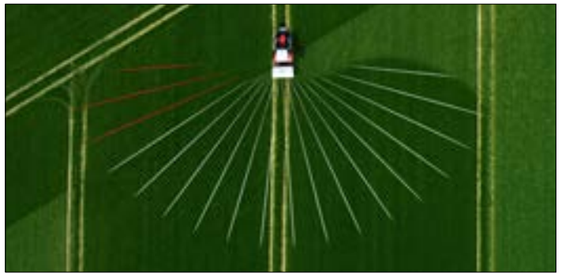
The CDA distribution system ensures precise and consistent spreading without dose effect: the lateral distribution remains unchanged even with variations in fertilizer application rate, working widths and working speed. A maintenance-free, ultra-slow rotating agitator feeds the discs while preserving the granules. The specific design of the three-point metering outlets promotes gradual and even feeding of the pallets. Finally, an outlet guide accompanies that fertilizer flow until it is picked up by the discs to ensure an exact drop point.



SPEEDSERVO ELECTRIC MOTORS

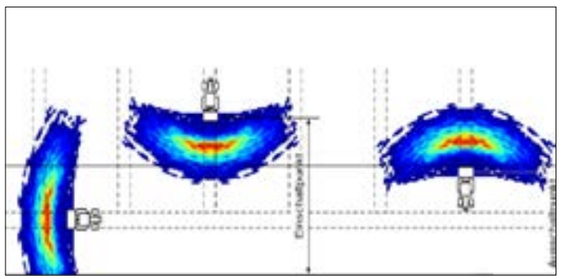
SpeedServo electric motors offer 2.5 to 5 times faster adjustment of metering outlet openings than a conventional electric actuator. This significant benefit provides:

- High precision and responsiveness in adjusting the application rate when changing speeds or when working with a variable rate application system
- Rapid and continuous application rate adjustment when working at variable widths, such as on headlands
- Reactive and constant adjustment of the fertilizer flow to the right and left every second.



VARISPREAD 18 TECHNOLOGY

VariSpread equipment allow you to vary the working width directly from the tractor's ISOBUS terminal. VariSpread 18 section control, available on the new electronically controlled Axis 25, allows for progressively reducing the fertilizer application rate across 18 sections, 9 per side. This is a significant advantage for preventing over-application on field corners.



OPTIMIZE EVERY PASS WITH INTELLIGENT HEADLAND MANAGEMENT

Automatic headland control with OptiPoint is a software solution that determines the optimal metering outlet settings based on the type of fertilizer being applied, the working speed and the selected spread width. Using GPS positioning, the system automatically identifies the precise locations where the outlets should open or close at headlands, helping to minimize overlaps and reduce application losses.

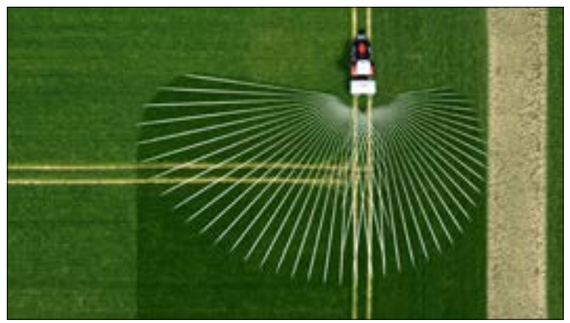


GPS-GUIDED VARIABLE RATE TECHNOLOGY

The AXIS M 25 is also capable of variable-rate technology (VRT) applications when connected to a GPS signal. By applying different fertilizer rates across distinct management zones, operators can improve return on investment (ROI) while reducing environmental impact, ensuring nutrients are placed where crops can use them most effectively.



NEW TECHNOLOGIES FOR EFFECTIVE BORDER MANAGEMENT



TELIMAT X BORDER DEFLECTOR

Axis 25 fertilizer spreaders can be equipped with the new TELIMAT X border deflector, now optimized with the addition of two flaps for even greater precision. This technology ensures perfectly controlled spreading along filed borders by following the sprayer's tracks. For optimal ease of use, this deflector is controlled via a double-acting hydraulic valve. Even in the event of an internal leak in the hydraulic valve, the TELIMAT X will not move unintentionally.



GSE X BORDER DEFLECTOR

The GSE X border deflector, available as optional equipment for the Axis 25, combines two key factors in fertilization: optimized yield and environmental responsibility. Hydraulically controlled directly from the tractor cab, it allows for inward spreading of fertilizer while driving along the border. The metering outlet on the border side is then shut off.
The GSE X is also capable of preventing fertilizer from being spread in between raised beds, making it ideally suited for spreading on specialty crops in raised beds.

A REINVENTED WORK ENVIRONMENT



EASIER HOPPER ACCESS

The hopper access ladder is perfectly integrated into the machine's design, while being sufficiently long and angled for enhanced comfort and safety. It offers two positions:

- The first provides access to the filling platform, ideal for opening big bags.
- The second, thanks to additional steps inside and outside the hopper, offers complete access for maintenance.



A MULTI-POSITION TARP

While protecting the hopper's contents, the cover improves working comfort. Its windows let in light and offer direct visibility of the fertilizer level through the extension's viewing windows. Three positions are available:

- Open, for loading
- Closed, for working
- Intermediate, to keep the hopper partially open and facilitate drying after washing.



MORE FUNCTIONAL CASTERS

The drop-off improve handling of the spreader. Switching from working to storage mode is simple: just press a pedal, without any disassembly. The rubber coating on the wheels enhances the grip and reduces effort during movement, while their stainless steel fastenings ensure long-lasting corrosion resistance. Finally, the 5° angle between the front and rear casters facilitates access to the machine during hitching and unhitching operations.



LIGHTING SOLUTIONS ADAPTED TO EVERY SITUATION

Axis spreaders offer several lighting configurations to optimize visibility, both on the road and in the field. For nighttime work, the spreadlight option automatically illuminates the spreading area on the sides of the machines as soon as the outlets are opened. Lighting is also integrated into the mudguards for improved visibility on the road. Finally, additional optional LED lights combine inner tank lighting and spreading area lighting, facilitating refilling operations and ensuring complete visibility for nighttime work.



PROVEN TECHNOLOGIES SERVING PRECISION

Machine operation is performed via ISOBUS terminals such as the CCI 800, CCI 1200 or any other ISOBUS terminal. Benefit from numerous features, including:

- Data transfer, such as prescription maps, between your CCI terminal and your office software using KUHN Connect solutions;
- Transfer of machine settings from the SpreadSet mobile app via the standard WIFI module;
- Automatic fertilizer application rate adjustment via GPS, based on soil potential as determined by a prescription map;
- Automatic section control via GPD using VariSpread 18;

It is also possible to use an AUX-N control joystick, such as the CCI A3 with a color touchscreen.

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Technical specifications

	AXIS 25
Working width	39'-140' (12 - 42 m) (depending on discs and products to spread)
Basic capacity	53' - 123'7" ft³ (1500 to 3500 L)
Maximum hopper payload	7,716 lbs (3,500 kg)
Filling height	4'4" (1.23 m)
Hopper width	7'8" - 9'6" (2.4 - 2.9 m) depending on extension
Loading width	7'8" - 9'6" (2.4 - 2.9 m) depending on extension
High flow rate (lbs/min)	1,488 lbs (675 kg) / min
Drop point control / Working width adjustment	Manual adjustment
Machine Setup	Fertilizer identification guide, Fertilizer spreading charts available on www.kuhn.com "Services" and on the SpreadSet mobile app
Agitator	Maintenance-free 17 rpm ultra-slow rotating agitator
Outlet control	SpeedServo: extremly fast motor monitoring
ISOBUS compatible	TC-SC, TC-GEO and TC-BAS as standard on machine side
Control box	ISOBUS CCI terminal or ISOBUS tractor terminal
DPAE (electronic groundspeed related application rate control)	Standard
OptiPoint	Standard
Section control	VariSpread 18 (18 sections, 9 per side) by modifying the quantity
Weighing frame	Optional
Half width shut-off	Standard
Protection sieve	Standard
Spreading discs included in base machine	Standard
Hitch	In coupling yokes with 2 height positions - Cat. 2
Gearbox	Maintenance free. Driven at 450 to 650 rpm
Empty machine net weight, approx.	959 - 1,488 lbs (435 - 675 kg)



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Information given in this document is only for informational purposes and is non-contractual. Our machines are in compliance with North American safety standards. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices must be operated in accordance with the requirements indicated in the operator's manuals and assembly manuals. We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

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