



Pneumatic fertiliser spreaders
AERO 32.1 - AERO GT 60.1





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AERO

A NEW MOMENTUM FOR YOUR FERTILISATION OPERATIONS

OPTIMISING APPLICATION RATES AND MAKING GOOD USE OF EVERY OUNCE OF FERTILISER IS A REAL ECONOMIC AND ENVIRONMENTAL CHALLENGE. YOU CAN RISE TO THIS CHALLENGE THROUGH PRECISION SPREADING WITH AN AERO FERTILISER SPREADER WITH BOOM.



ENTER THE WORLD OF PRECISION SPREADING

AERO fertiliser spreaders push the boundaries in performance and precision. They are equipped with booms with outlets divided between sections. So, you can modulate up to 4 or 6 doses of fertiliser (depending on model) or shut off the sections as required!

DON'T MAKE COMPROMISES ON SPREADING

Get rid of constraints related to wind conditions and the ballistic quality of fertilisers, and make savings on the cost of inputs. With these tools, you can spread fine, light or compound fertilisers, even when it's windy.

SPREAD WITH CONFIDENCE

The machine is controlled with an ISOBUS terminal. You can carry out precision farming without moving from the tractor cab: application rate modulation and section shut-off via prescription maps or biomass sensors, boom opening and closing, etc.

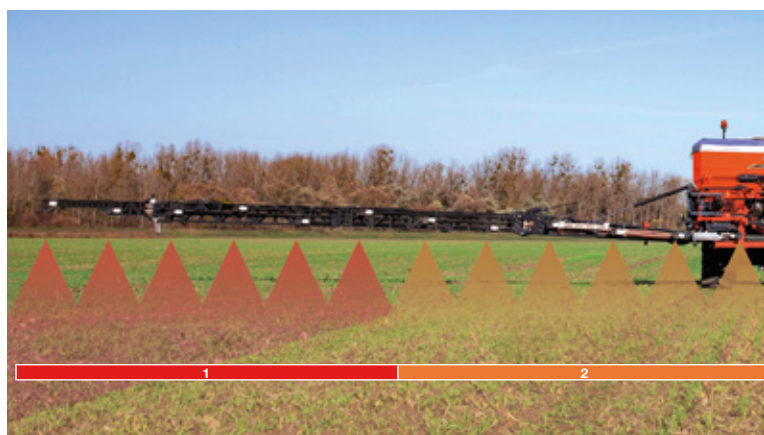
UNRIVALLED SPREADING PRECISION

With the AERO 32.1 fertiliser spreader, benefit from a precise and adjustable application rate over 4 sections, uniform spreading right up to the edge of the field, and integrated weighing system for optimum user comfort. This model comes in 24, 27, 28 and 30-metre versions to adapt to the working widths of spreaders.



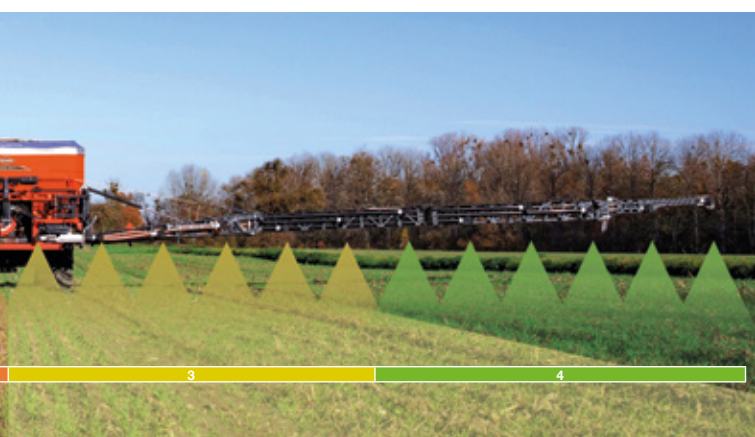
No need to do a calibration test thanks to the integrated weighing system!

Two weighing cells are integrated into the frame so that you can monitor the level of fertiliser in your hopper, continuously and directly, on your ISOBUS terminal or via the SpreadSet application on your Smartphone. There is a double advantage to this: the speed of the metering units can be modified, if necessary, by static weighing, to adjust the spread rate and optimise logistics by anticipating refilling.



Precise and modular application rate over 4 sections

The AERO 32.1 fertiliser spreader has 4 hydraulic metering units in 4 sections. Each metering unit is connected to 6 outlets and can be switched on or off and set individually. Consequently, it is possible to modulate 4 fertiliser doses or shut sections off when desired.



100 % of the dose right up to the edge of the field

You can improve your yields and make savings by using cheaper fertilisers! The AERO 32.1 makes it possible to spread fertilisers that are usually difficult to spread over large widths with centrifugal spreaders. With this machine, you can apply fine, light, or compound fertilisers, with precision, right up to the edge of the plot.

Uniform distribution

AERO 32.1 pneumatic fertiliser spreaders are equipped with a powerful blower to transport fertiliser to the boom ends. The fertiliser passes through a bend, before reaching the outlets. This exclusive design ensures optimum fertiliser spread to the left and right. The distance between each outlet is reduced. For late top spreading, just invert the outlets, it's so simple!

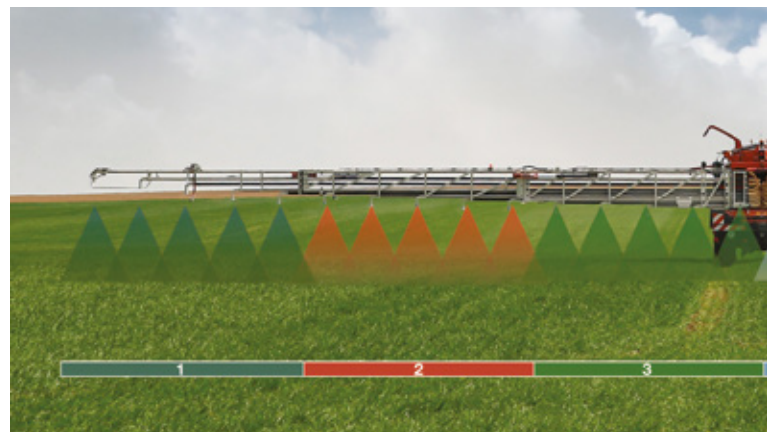
SPREADING PRECISION ON A LARGE SCALE

The AERO GT 60.1 trailed pneumatic fertiliser spreader stands out for its incredible efficiency and size. In line with the whole AERO range, it is capable of spreading all solid fertilisers with precision, so maximise your return on investment by replacing ammonium nitrate with urea!



Long operating range

AERO GT 60.1 trailed fertiliser spreader boasts a working width of 36 metres and a 6,300-litre hopper volume. This means you can load up to 4,700 kg of urea, for example. These great features combined with high ground speeds allow the machine to reach impressive levels of output of up to 400 hectares per day! If necessary, the working width can be reduced to 24 metres by folding the boom's end sections and closing the outer two sections by shutting off the metering units.

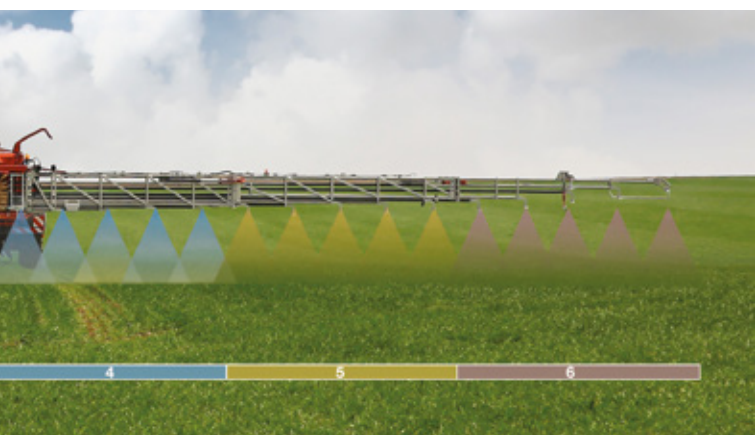


Precise and adjustable metering over 6 sections

The AERO GT 60.1 fertiliser spreader has 6 hydraulic metering units that form 6 sections. Each metering unit is connected to 5 outlets and can be switched on or off and set individually. Consequently, it is possible to modulate 6 fertiliser application rates or shut sections off when desired.

Chassis suspension for extra comfort!

The hydro-pneumatically suspended chassis not only stabilizes and eases the load on the booms during field work, but also provides for a stable machine on the road. The shock absorber technology makes road trips safe and comfortable at speeds of 25kph. The brakes are pneumatic.



Two blowers for extreme precision

Two high-performance blowers produce a constant and powerful air flow to transport the fertiliser to the boom ends at a speed of 200 kph. The fertiliser is then distributed uniformly. PTO speed can be adjusted between 700 and 1 000 rpm. The blowers are driven by an independent hydraulic system via the tractor's PTO.



Great boom stability

The stainless-steel booms on the AERO GT 60.1 are extremely stable thanks to:

- the frame's pendulum-type suspension equipped with balancing mechanism;
- the chassis' hydro-pneumatic suspension;
- the boom's parallelogram with integrated accumulators that dampen the shocks.

NO COMPROMISE ON SPREADING

Get rid of constraints related to windy weather and the ballistic quality of fertiliser by working with an AERO fertiliser spreader with boom. Make no compromise on spreading and make savings on fertiliser purchases!



Increase your fertilisation periods

Shorter weather windows don't leave much time for crop management. But with the AERO fertiliser spreader's boom system, you can carry out large-width fertilisation operations even when it's windy. Keep the non-windy days for more sensitive operations like spraying!



Optimise the application rate right up to the edge of the field

With border deflectors, AERO spreaders with booms are capable of delivering the right dose of fertiliser in the right place, with precision, right up to, but no further than, the edge of the plot. They can combine « yield » and « environment » modes with no compromise on spreading!



MAKE SAVINGS ON FERTILISER PURCHASES

AERO spreaders with booms make it possible to spread fertilisers, such as urea and bulk mixes, that are usually difficult to spread over large widths with centrifugal spreaders. They are capable of applying fine, light, or compound fertilisers, with precision, right up to the edge of the plot. Precision spreading is ensured, no matter the properties of the fertiliser. Consequently, you can make significant savings on purchases.



Ammonium nitrate



Prilled urea



Compound fertiliser



Potassium chloride



Organic fertiliser



Seeds



Cover crops



Widen your scope

Three metering units are available to suit the type of product, the desired application rate and working speed. The « standard » metering unit is suitable for a wide range of fertilisers and can work at application rates of between 50 and 600 kg/ha. The « intermediate » metering unit is ideal for nitrogen fertilisers and works from 20 to 350 kg/ha. The « fine » metering unit is designed for slug pellets, microgranules, and small seeds at application rates from 2 to 40 kg/ha.

TECHNOLOGY TO MAKE LIFE EASIER

AERO fertiliser spreaders feature an array of solutions so that you can work with confidence: safe and compact hydraulic booms, settings kept to a minimum, automated ground following, etc. So many great features enabling you to concentrate on the essential.



A compact boom for transport

In transport mode, the hydraulic booms fold to the sides or the rear of the hopper, depending on the model. They are well integrated into the dimensions of the machine, making it very compact and allowing you to manoeuvre and drive between fields with confidence.



Easy to load

No time is wasted with filling! You can open the cover from the tractor, with a hydraulic system for the AERO GT 60.1 and an electric system for the AERO 32.1. The large hopper opening makes it possible to load several big bags at the same time.



Save time on settings

As the ballistic quality of products is no longer important, you don't need to refer to spreading tables: just load and start spreading! In terms of calibration testing, only one of the metering units has to be calibrated, so adjusting the application rate to the fertiliser is quick and easy.



Excellent ground following

AERO fertiliser spreaders can be equipped with the « Distance Control » system which automatically adapts boom height to the shape of the land using two ultrasound sensors. This means that you can easily work at night and at high speeds.



Safety at work

The booms on AERO fertiliser spreaders have an automatic safety system which folds the ends if they come into contact with an obstacle, such as a tree or a pylon, for instance. The outer boom section can pivot rearwards or forwards 2.5 m at each end.

THE BENEFITS OF ISOBUS

Control your machine using an ISOBUS CCI 800 or 1200 terminal or any other ISOBUS terminal already on the farm. You can also use an AUX-N joystick, such as the CCI A3 with colour touchscreen.

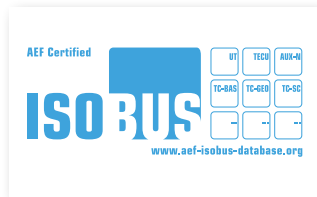


Application rate modulation per section via prescription maps or a biomass sensor

Data transfer between your CCI terminal and your office software thanks to KUHN Connect solutions

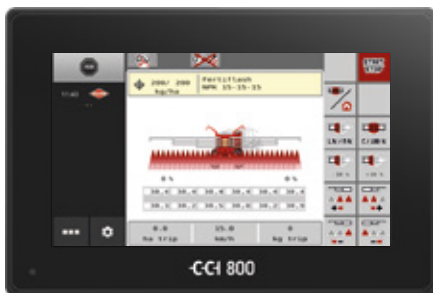


BENEFIT FROM MANY ISOBUS ASSETS



CCI 800 AND CCI 1200: A SINGLE TERMINAL FOR ALL KUHN MACHINES.

AEF-certified ISOBUS terminals CCI 800 and 1200 have three priorities: performance, visibility and flexibility. You can control your machines intuitively with their large, anti-glare touchscreen. They allow the simultaneous display of important information on one screen. Among other features, they make it possible to automate the application rate using prescription maps or a biomass sensor.



CCI 800: The compact ISOBUS terminal

The 8"/20.3cm screen displays the main machine and mini-views on the side. Click on the mini-view you wish to enlarge.



CCI 1200: innovative, high performance, wide screen

All essential information is displayed on the 12.1"/30.5 cm screen. Different display formats are available: mini-view / maxi-view / double UT.

A MULTITUDE OF APPLICATIONS COME AS STANDARD



TECU

Recover basic tractor information



CONTROL

Control your tasks and your ISO-XLM documentation



CONVERT

Connect to your biomass sensor



CAMERA

Connect a camera and display live images



HELP SYSTEM

The assistance you need

LOOK AT THE CCI APPLICATIONS



SECTION CONTROL

Automatic spreading control by GPS



RATE CONTROL

Application rate modulation by GPS (SHP and ISOXML) of several products (e.g. seeds+fertiliser)



DATA TRANSFER

Data import/export via agrirouter

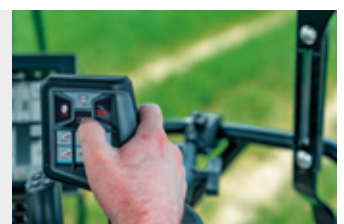


PARALLEL TRACKING

Steering assistance by GPS

All functions at your fingertips

Combine your CCI terminal with an ISOBUS CCI A3 joystick to have the control of the main functions of your fertiliser spreader at your fingertips.



KUHN CCI Connect

YOUR CCI 800 AND 1200 TERMINALS CONNECT TO INTERNET

MyKUHN

Find **KUHN CCI Connect**
packs on your MyKUHN space!
<https://mykuhn.kuhn.com/>



KUHN CCI Connect Lite (standard in some countries)



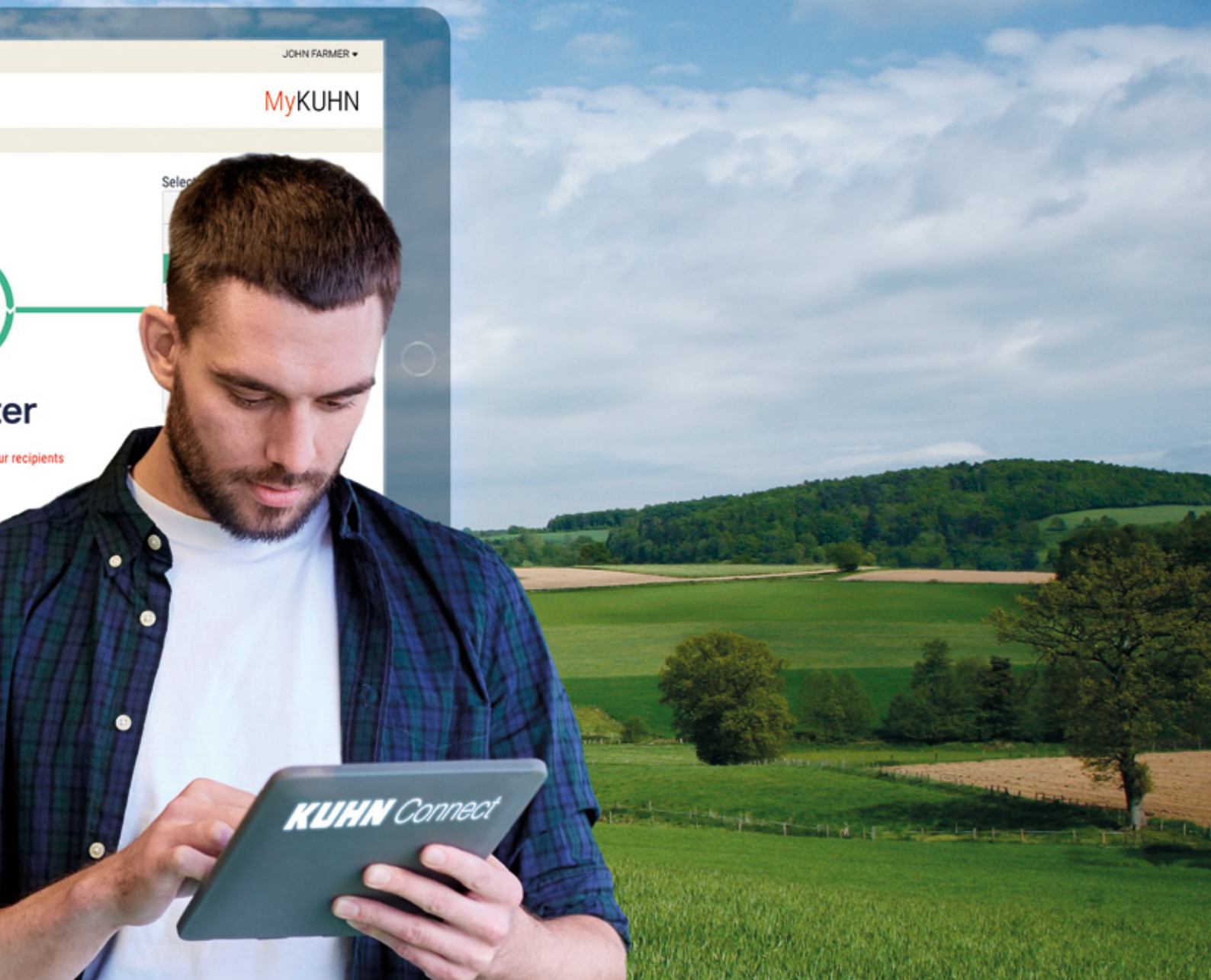
Online CCI Update

Your CCI terminal automatically updated!
The latest features automatically installed.

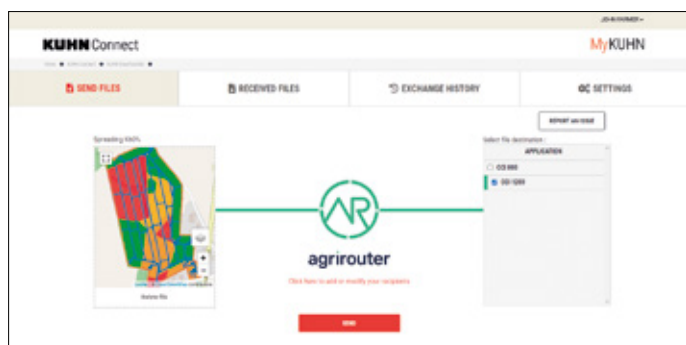


CCI Remote View

The latest features automatically installed.
On your MyKUHN account. With your KUHN dealer.



KUHN EasyTransfer (option)



KUHN EasyTransfer

Receive your prescription maps on your terminal directly!
And export your tasks at the end of the job.



Ready for agrirouter

Communicate with all software connected to agrirouter!
agrirouter -> multi-brand compatibility.

OPTIONS THAT MAKE ALL THE DIFFERENCE



Compatible with

AERO 32.1, AERO GT 60.1

Spreadlight: work night and day

AERO fertiliser spreaders are equipped, as standard, with rear LED lights so that you remain visible on the road from dawn to dusk. With Spreadlight optional lighting, you can light up your spread fan during nighttime operations.



Compatible with

AERO 32.1, AERO GT 60.1

Metering unit for microgranules: more possibilities

Three metering units are available to suit the type of product, the desired application rate and working speed. The « standard » metering unit is suitable for a wide range of fertilisers and can work at application rates of between 50 and 600 kg/ha. The « intermediate » metering unit is ideal for nitrogen fertilisers and works from 20 to 350 kg/ha. The « fine » metering unit is designed for slug pellets, microgranules, and small seeds at application rates from 2 to 40 kg/ha.



Compatible with

AERO 32.1, AERO GT 60.1

Border deflectors

For optimum spreading precision, border deflectors are fitted to the left and the right sides of the implement, as standard, for spreading 100% of the application rate right up to the border, without going beyond. And you don't even need to get down from the tractor with the optional electric control system! Spread distance can also be adjusted, for normal or late top spreading, by modifying the angle of the deflector.



Compatible with

AERO GT 60.1

Freelande: fertiliser savings

With the « Freelande » option you can save 4% of fertiliser by not spreading in treatment lanes. Specific metering units combined with the deflectors make this possible.



Compatible with
AERO GT 60.1

Air gun: easier to clean your fertiliser spreader

An optional air gun is available to remove fertiliser dust accumulated in the field, keeping your machine in perfect condition

Technical specifications

	AERO 32.1	AERO GT 60.1
Category	Mounted pneumatic fertiliser spreader	Trailed pneumatic fertiliser spreader
Working width (m)	24 - 27 - 28 - 30	30 - 36
Hopper volume (with extension) (l)	1,900 (3,200)	6,300
Maximum payload (kg)	3,200	5,000
Filling height (with extension) (m)	1.40 (1.78)	3.15
Transport height (m)	4.00 (with 45 cm ground clearance)	3.85
Overall width (m)	2.98	
Length (m)	2.50	7.90
Weight empty (kg)	2,150	7,000
Track widths (m)	-	2.25
Tyres	-	Wheels 520/85 R42 (other dimensions on request)
Distance Control	◆	
Boom safety	◆	
Number of sections	4 sections 24 m = 4 * 6,00 m 27 m = 4 * 6,75 m 28 m = 4 * 7,00 m 30 m = 4 * 7,50 m	6 sections 30 m = 6 * 5,00 m 36 m = 6 * 6,00 m
Number of outlets	24 m = 20 27, 28 and 30 m = 24	30 m = 25 36 m = 30
Max. application rate (kg/min)	Up to 360 (depending on product)	Up to 320 (depending on product)
Hopper low-level sensor	◆	
hopper cover	Electric control	Hydraulic control
Hydraulic flow and pressure requirements	60 l/min at 180 bar	
Min. power requirement (kW/hp)	135 / 180	
Terminal	ISOBUS	

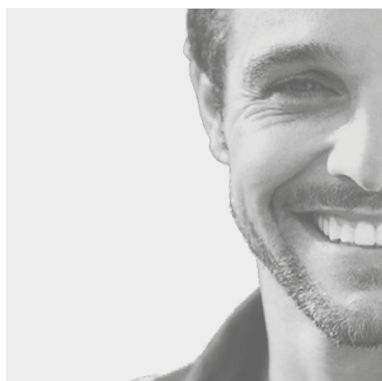
◆ Standard ◇ Optional - Not available



KUHN PARTS



Designed and manufactured to rival time. KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.



KUHN SERVICES*

KUHN sos order - Express spare parts service, 24/7**
KUHN protect+ - The choice of professionals!
KUHN i tech - For ever quicker repairs!
KUHN finance - Invest rationally!

* Not all services are available in all countries. ** except January 1, May 1 and December 25

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Check out KUHN's range of fertiliser spreaders.



1. MDS: Mounted centrifugal fertiliser spreaders - 2. AXIS: Mounted centrifugal fertiliser spreaders - 3. AXENT: Trailed centrifugal fertiliser spreaders - 4. AERO 32.1: Mounted pneumatic fertiliser spreaders - 5. AERO GT: Trailed pneumatic fertiliser spreaders

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