



Slurry technology & accessories



■Basic Line

■Multi Line

Field Line











BRIRI

Over 100 years of experience in agriculture

Organic fertilisers are our world!

As a manufacturer and producer of high-quality agricultural machinery, BRIRI is your innovative partner and expert in slurry technology, transport technology and solid manure application. We offer you individual complete solutions from designed assemblies.

We combine professional know-how and the best quality with precision and service. Completely in line with your personal wishes and needs.



from 1880 to today - from blacksmith to modern agricultural machinery manufacturer

The history of the BRIRI company dates back to 1880, when the Brink family ran a blacksmith's shop that, in addition to horseshoeing, also took over the typical tasks of a village blacksmith. In 1918, Franz Brink took over the management of the company. Later, in 1954, Alfons Riepenhausen married into the family business, and the company name was changed to BRIRI. From 1960, the company expanded its range of services to include the sale of agricultural machinery.

In the late 1960s, BRIRI also began repairing and manufacturing agricultural machinery, including bale conveyors and mixing plants. In the late 1970s, the production of slurry trucks started, which laid the foundation for today's specialisation in organic fertilisation. Master agricultural machinery mechanic Franz-Josef Riepenhausen took over the management of the company in 1970.

From 1990, BRIRI expanded its product range to include sweepers. In 1998, the company presented itself for the first time at EuroTier, an international trade fair. In 2000, the product portfolio included group milling machines, sweepers, slurry trucks and silo transport trucks.

In 2004, BRIRI took over the production of the Kemper manure and compost spreaders and began to offer spare parts for Kemper spreaders. In 2011, slurry tankers were added to the product range. In 2012, increasing demand led to the construction of a new assembly hall and a total production area of 10,000m2. In 2016, the company moved into a new 2-storey administrative building, and the workforce grew to 60 employees. From 2017, BRIRI increasingly focused on the development and manufacture of machines for slurry and spreading technology and established itself as a specialist for organic fertilisation with mature solutions.





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Slurry tankers for professional agriculture



BRIRI "Basic-Line" slurry tankers form the entry point into the field of professional slurry application. As single-axle, tandem or tridem vehicles in the vacuum and pump tanker versions, you can choose between a wide variety of equipment options. This is how we adapt to your individual needs.

This makes the slurry trucks ideal for small, medium-sized and larger farms. They impress with their ease of use, long service life and fair price-performance ratio

Standards of the BRIRI Basic-Line

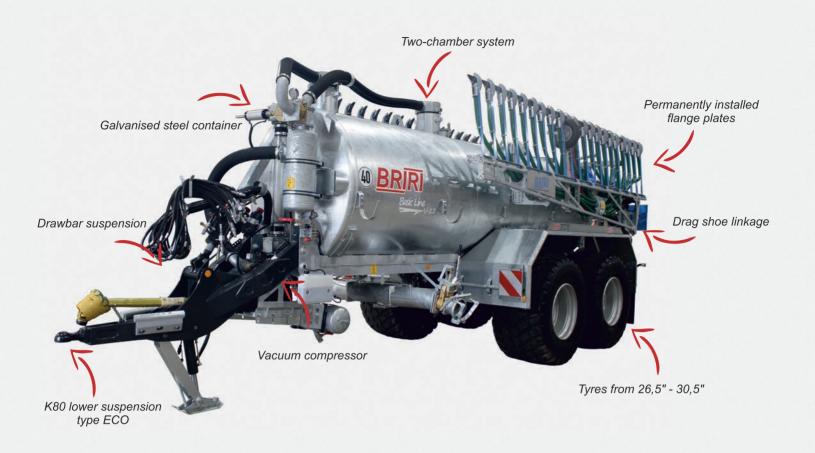
- Top hitch
- Galvanised steel tank
- Preparation lifting gear
- Preparation of suction arm
 - Boogie axle

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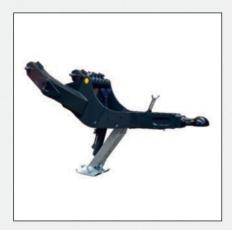




Slurry tankers for professional agriculture



Optional possibilities of the BRIRI Basic line



K80 lower suspension



Pneumatically sprung axle unit



Hoist





Slurry tankers for professional agriculture

Technical data of the BRIRI Basic line

Type selection					Vacuum vehicle	Pump tank vehicle	
BLS	BLD	BLT	Volume	Diameter	Length		
Х	Х		8.800 l	1.500mm	4.800mm	Х	Х
Х	Х		10.000 l	1.600mm	4.800mm	Х	Х
Х			10.700 l	1.750mm	4.200mm	Х	Х
Х	Х		11.300 l	1.600mm	5.300mm	Х	Х
Х			12.000 l	1.750mm	4.750mm	Х	Х
	Х		13.200 l	1.750mm	5.200mm	Х	Х
	Х		14.000 l	1.750mm	5.600mm	Х	Х
	Х		15.000 l	1.750mm	6.000mm	Х	Х
	Х		16.700 l	1.900mm	5.600mm	X	Х
	Х		17.300 l	1.900mm	5.800mm	Х	Х
	Х		18.600 l	2.000mm	5.600mm	X	Х
	Х		19.100 l	2.000mm	5.800mm	X	X
	Х		20.500 l	2.000mm	6.200mm	X	Х
		Х	21.400 l	1.900mm	7.200mm	X	Х
		Х	24.500 l	2.000mm	7.550mm	X	X
		Х	26.000 l	2.000mm	8.000mm	X	X
		Х	26.200 l	2.100mm	7.250mm	X	X
		Х	28.100	2.100mm	7.800mm	X	X
	Container / Chassis				Steel container with torsion-resistant chassis in self-		
						supporting	-
	Corr	osion	protection ,	optics /	Hot-dip galvanised, paint finish on request		
	Brake					Air brake system wit	
Pump technology						uum pump	Rotary lobe pump
Drive					S		Direct drive via wide-angle
					F	PTO shaft	drive shaft with shear bolt
Electrical equipment				ont	coupling		
Tyres					12V LED lighting according to StVZO 26.5" - 30.5" selectable according to list		
Mounting device Boom				oom	Flange plates at the rear as standard		
					<u> </u>		
Spreading technology					Application technology of any kind possible Control units / standard control box / BUS or ISOBUS		
Operation / control					L'Ontrol L	inits / standard cont	IOI DOX \ RO2 OL I2ORO2

■ Transport Technology



Slurry tankers for professional agriculture







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Slurry tankers with individual technology levels



BRIRI "Multi-Line" slurry tankers represent the product line for higher requirements with an individual level of technology. As single-axle, tandem or tridem vehicles in the vacuum and pump tanker versions, this line has a wide variety of pumping techniques and equipment options. The slurry trucks can thus be adapted to your individual technical needs. This makes the multi-line ideal for professional farms, contractors and machine communities in agriculture. They impress with comfortable controls, a high level of performance and a fair price-performance ratio.

Standards of the BRIRI Multi-Line

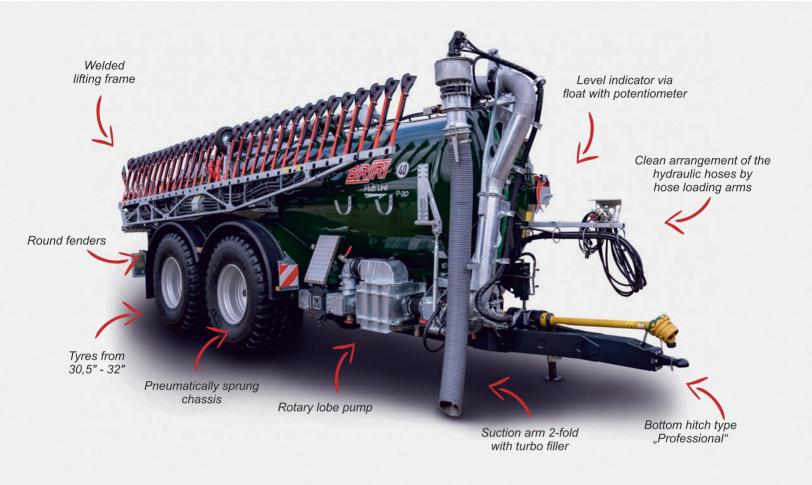
- Bottom hitch Type "Profi"
- Paintwork UNI RAL 6002
 - · Lifting gear frame
- Preparation of suction arm
- Pneumatically sprung chassis

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Slurry tankers with individual technology levels



Optional possibilities of the BRIRI Multi-Line



Non-contact forced steering



Hydraulic axle unit



Hoist





Slurry tankers with individual technology levels

Technical data of the BRIRI Multi-Line

Type selection					Vacuum vehicle	Pump tank vehicle	
MLS	MLD	MLT	Volume	Diameter	Length		
Х			12.000 l	1.750mm	5.200mm	Х	Х
Х			14.000 l	1.900mm	5.200mm	Х	Х
Х			16.000 l	2.000mm	5.200mm	Х	Х
	Х		12.000 l	1.600mm	6.000mm	Х	Х
	х		14.000 l	1.750mm	6.000mm	Х	Х
	Х		15.200 l	1.750mm	6.500mm	X	Х
	Х		17.000 l	1.900mm	6.200mm	X	X
	Х		18.000l	1.900mm	6.500mm	X	X
	Х		19.800l	1.900mm	7.250mm	X	X
	Х		20.000 l	2.000mm	6.500mm	X	X
		Х	22.000 l	1.900mm	8.000mm	X	X
		Х	26.000 l	2.000mm	8.500mm	X	X
		Х	28.000 l	2.100mm	8.500mm	X	X
		Х	30.0001	2.100mm	8.800mm	X	X
		Contai	iner / Chass	is	Steel con	ntainer with torsion-	resistant chassis in self-
						supporting	
	Corrosion protection / optics			inside with special coating, outside painted in UNI RAL			
			Brake		colour according to customer requirements Air brake system with ALB controller		
		Duman				uum pump	Rotary lobe pump
	Pump technology Drive					ve via wide-angle	Direct drive via wide-angle
			Drive			ve via wide-aligie PTO shaft	drive shaft with shear bolt
					٢	10 Shart	coupling
Electrical equipment				nt	12V LED lighting according to StVZO		
Tyres					30.5" – 32" selectable according to list		
Mounting device Boom				om	Lifting gear frame at the rear as standard		
Spreading technology				gy	Application technology of any kind possible		
Operation / control				ol	Control u	nits / standard cont	rol box / BUS or ISOBUS

BRIRI Technology

Slury Technology | Spreading Technology
| Transport Technology



Slurry tankers with individual technology levels







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Maximum efficiency and technology levels



The *BRIRI "Field-Line"* slurry trucks are just the thing for high requirements at the highest technical level. As single-axle, tandem or tridem vehicles, they are designed exclusively as displacement pump tankers. The cars are equipped as standard with a hydraulic pump drive, which guarantees a driving experience on a self-driving level. This makes the slurry trucks ideal for professional businesses, contractors and machine communities. They convince with maximum efficiency and maximum performance.

Standards of the BRIRI Field-Line

- Bottom hitch Type "Profi"
- Paintwork UNI RAL 6002
 - Lifting gear
- Preparation of suction arm
- · Pneumatically sprung chassis
- · Hydraulically driven rotary lobe pump
 - Application rate control

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Maximum efficiency and technology levels



Optional possibilities of the BRIRI Field-Line



Contactless forced steering



Lift axle / axle relief



Hoist 5 tons with pendulum compensation

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Maximum efficiency and technology levels

Technical Data of the BRIRI Field-Line

Type selection			Pump tanker with on-board hydraulics				
FLS	FLD	FLT	Volume	Diameter	Length		
Х			12.000 l	1.750mm	5.200mm x		
Х			14.000 l	1.900mm	5.200mm	X	
Х			16.000 l	2.000mm	5.200mm	X	
	х		12.000 l	1.600mm	6.000mm	X	
	х		14.000 l	1.750mm	6.000mm	X	
	Х		15.200 l	1.750mm	6.500mm	X	
	х		17.000 l	1.900mm	6.200mm	X	
	Х		18.0001	1.900mm	6.500mm	X	
	Х		19.8001	1.900mm	7.250mm	Х	
	х		20.000 l	2.000mm	6.500mm	Х	
		Х	22.000 l	1.900mm	8.000mm	x	
		Х	26.000 l	2.000mm	8.500mm	X	
		Х	28.000 l	2.100mm	8.500mm	X	
		Х	30.0001	2.100mm	8.800mm	X	
Container / Chassis			is	Steel container with torsion-resistant chassis in self-			
				supporting design			
Corrosion protection / optics			optics	inside with special coating, outside painted in UNI RAL			
					colour according to customer requirements		
			Brake		Air brake system with ALB controller		
Pump technology					Rotary lobe pump		
Drive					Drive of the on-board hydraulics via wide-angle PTO		
					shaft		
Electrical equipment				nt	12V LED lighting according to StVZO		
Tyres					38" – 42" 30.5" – 32" selectable according to list		
Mounting device Boom				5 tonne lifting gear at the rear as standard			
Spreading technology					Application technology of any kind possible		
Operation / control					ISOBUS		

■ Transport Technology



Maximum efficiency and technology levels









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Equipment & accessories

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Chassis



Bogie axle



Assembly pneumatic suspension



hydraulically suspended axle unit

Drawbar

From rigid top or bottom suspension to the spring-loaded ECO or professional hitch. Depending on the customer's requirements, we can configure the optimal hitch for each tractor.







Contactless forced steering BRIRI iMotion

The new BRIRI iMotion steering system for tandem and tridem trolleys will be available for all product lines in the course of 2024. The new contactless electro-hydraulic forced steering takes the steering of the towed machine to a new level. The advantages of contactless forced steering lie in the omission of the tie rod. This means that it is now possible to easily change towing vehicles.

Only one hydraulic and electrical supply line is required between towing vehicle and trailer vehicle. The steering of the axle is implemented here by vehicle-internal sensors and monitored and controlled as a function of speed. In addition to the standard steering, other steering programmes such as all-wheel steering or manual intervention are possible and fully integrated into our ISOBUS control system.



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Lifting device



Lifting gear with pendulum compensation and up to 5 tons load capacity





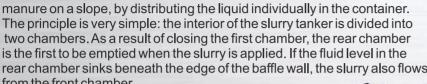


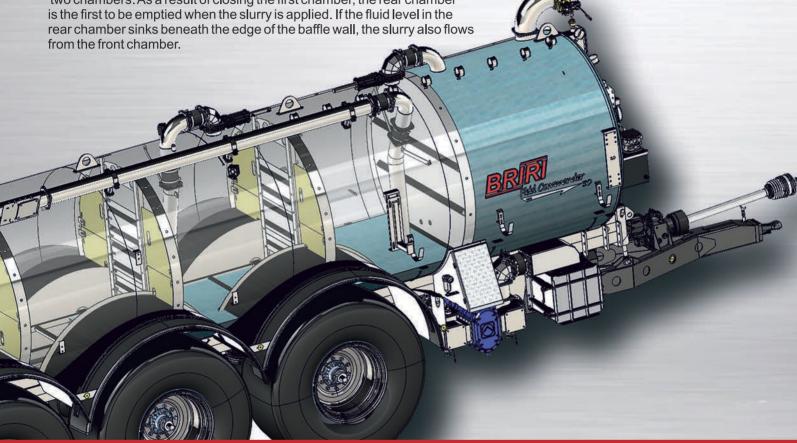


Everything in balance

Two-chamber system

With the two-chamber system, you can optimise the supporting load on your tractor, especially when spreading



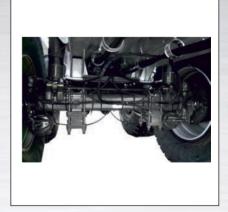




Drawbar suspension



Top cylinder



Axle relief





Pumps



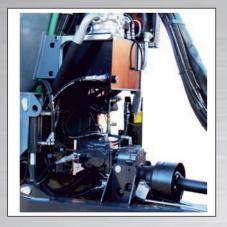
Vacuum compressor

In vacuum technology, quality pumps from Battioni and Hertell with a capacity of up to 14,000 l/min are used. All pumps are combined with an oil tank, water cooling can be integrated optionally.



Rotary lobe pump

At BRIRI, we rely on positive displacement pumps from the manufacturers Vogelsang or Börger. The flow rates can be up to 12,000 l/min. The pump can be driven both mechanically and hydraulically.



Hydraulic pump drive

Hydraulic pump drives ensure speed-independent output control. Due to the infinitely variable drive of the rotary lobe pump, a fast and exact reaction to the setpoint is achieved.



Filling



Turbo filler

In order to further optimise the filling process, a BRIRI turbo filler is used. In addition to increasing performance, the turbo filler reduces the foaming of the slurry and ensures a better filling level of the barrel. It is placed centrally under the drum in vacuum trucks, so that the filling process can be used on both the left and right suction nozzles. Regardless of pump technology, the turbo filler can also be integrated into the suction arm. This ensures a constant suction flow in the pipeline.



Shredding technology

In order to make the slurry more flowable and to protect the pump from foreign objects, we rely on the RotaCut from Vogelsang. This can be installed optionally on the slurry tanker.







Filling made easy

Suction arm with 1 joint



Suction arm with 2 joints



Front suction arm



Optionally, all our suction arm variants are also available with a telescopic tube







DockStar



The rocker is controlled by remote control, conveniently from the cab of the tractor. Due to the swinging suspension, precise manoeuvring is not necessary. A sensor integrated in the funnel prevents the slider from opening unintentionally. The position of the slider is indicated by a signal lamp attached to the Dock Star.

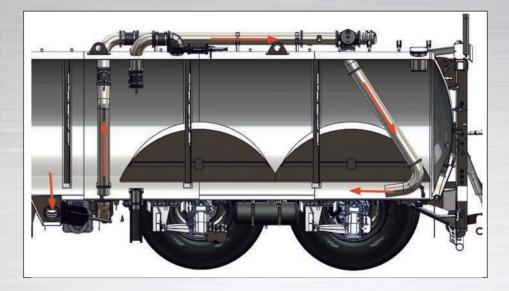






Hydraulic agitator for pump tanker

An agitator prevents deposits, blockages and ensures that the nutrients contained are evenly distributed before application. The slurry flows horizontally over the bottom of the tank by means of a bypass and causes turbulence. The deposits are flushed directly to the removal point of the container.



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Lighting and additional equipment

BRIRI always brings you into the right light.

With LED lighting fitted as standard, we put your vehicle in the limelight. Additional lighting installed on the side or at the rear can also be offered as an option.

In order to keep track even in the dark, we are happy to equip your vehicle with the appropriate work lights.

For the right all-round view, we offer you a professional camera system.













Large storage space and clean hands



Transport box



Handwash container

Central lubrication system / -bar

The use of a central lubrication system enables an optimal, central supply of lubrication points. The lubrication intervals can be set and flexibly adjusted via the controller.

An easily accessible central lubrication bar makes maintenance easier.





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Tyre pressure control system

In order to sustainably manage and protect the soil, tire pressure must be adapted to the most diverse soil conditions. With a tire pressure control system, the pressure change between field and road can take place quickly and comfortably.

The required tyre pressures can be stored in the terminal and are therefore always available quickly. This way, a soil-friendly application and a high level of driving comfort are guaranteed.

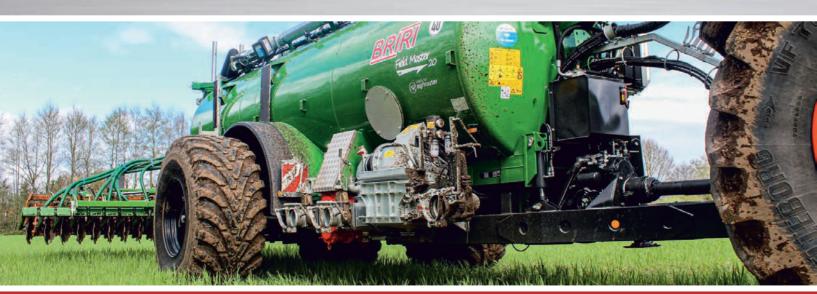






Hydraulically sprung telescopic undercarriage

Due to the growing demands and shrinking time windows in the field of organic fertilisation, we offer our customers the opportunity to improve the navigability, if necessary, with the optionally installed telescopic axis. The first axis can be hydraulically pushed out by 710 mm on each side. This means that it runs outside the lane of the tractor and guarantees a smooth ride on the ground.







Measurement and control technology

Flow meter | Bypass flow control

A flow meter enables precise application of nutrients in slurry trucks with mechanical pump drive. It transmits the exact amount in m3/ha. In combination with an electric 3-way valve, fully automatic control must also be implemented. Regardless of the working width and driving speed, the exact actual quantity is constantly checked and adjusted.



Hydraulic pump drive

The modular drive concept is designed for the operation of up to three hydraulic pumps, allowing up to two rotary lobe pumps, a turbo filler and a travel drive to be operated. Equipped in this way, minimum output quantities for small working widths and high output quantities for large working widths are possible. The stepless pump drive adjusts to the new setpoint within a very short time, either according to m3/ha or by means of NIR sensor according to kg/ha.



Dosing system for additives

The slurry additive is dosed by means of a diaphragm pump and documented with a contactless flow meter. The addition takes place during the filling process according to a fixed time or volume specification or during the application procedure after 1/ha. Precise addition of the dosing agent is thus guaranteed. The VA tank, which holds more than 200 litres, is integrated into the slurry tank and thus leaves room outside the tank for further equipment options. The fill level is clearly visible through a viewing window. Optionally, an empty alarm can be installed.



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Everything under control!







Standard control box



Additional external control



BUS/ISOBUS Control

ISOBUS control enables cross-manufacturer communication between tractor, slurry tanker and attachment. In addition, various farm management systems can be used to transmit application cards, for example. The control/operation takes place via soft pad or touchscreen terminals. Optionally, an ISOBUS-capable joystick can be used.

Terminal variations



BUS-Control Terminal 5,7"



ISOBUS-Control 8.4"







ISOBUS-Control 12"

Operating screen and functionality

All vehicles from the slurry technology can be operated via ISOBUS. (TC-UT) This can be the tractor's own terminal or an external ISOBUS terminal. An AUX-N joystick further enhances operating comfort (TC-AUX-N). Fertilisation according to application maps is possible in both manure and spreading technology (TC-GEO). The application of the NIR sensor on the slurry tanker allows the organic fertiliser to be dosed according to its ingredients N/A/P/K.

The attachments mounted on the slurry tanker can be controlled fully automatically via Section Control and thus prevent over- or under-fertilisation. Order data can be received via the Agrirouter and sent back to the office after processing.

















NIR-Sensor





Near-infrared sensors (NIR sensors) can significantly facilitate nutrient determination in agricultural fertilisers. NIR sensors capture the ingredients in real time and enable needs-based fertilisation according to legal requirements, taking into account specified target values.

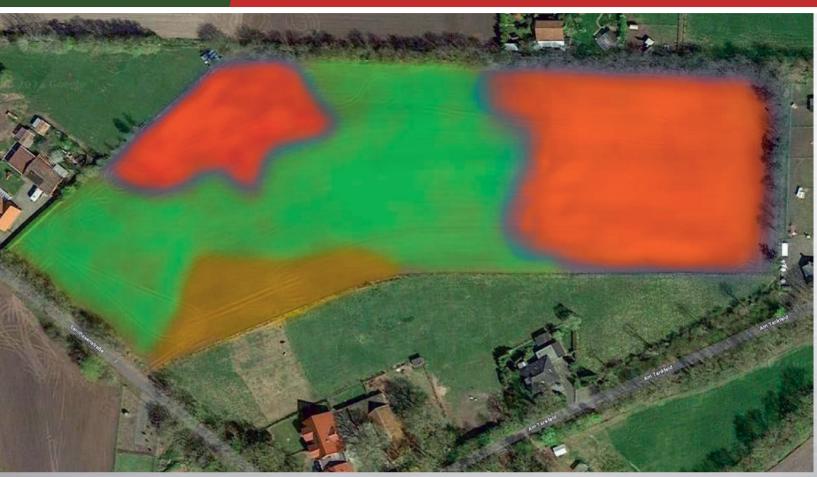
John Deere and Topcon NIR sensors are available. For both sensors, the interfaces are integrated into the BRIRI-ISOBUS controller.



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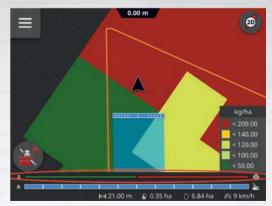
Area-specific fertilisation

In combination with an ISOBUS controller, the corresponding TC-GEO activations, partial area-specific fertilisation can be implemented.

Partial area-specific fertilisation is an important component in precision farming. The soil and growth differences within an area are taken into account in this fertilisation process. The aim is to apply the nutrients determined in the right amount in the right place at the right time.

Section Control

In order to protect a partial uneven area against selective over-fertilisation, an automatic section control is used. By switching off individual segments, an overlay of the partial areas is significantly reduced. Up to 24 partial widths can be switched.



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Sales areas







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MADE IN GERMANY





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