



SPREADING TECHNOLOGIES



Spreading and injection close to the ground

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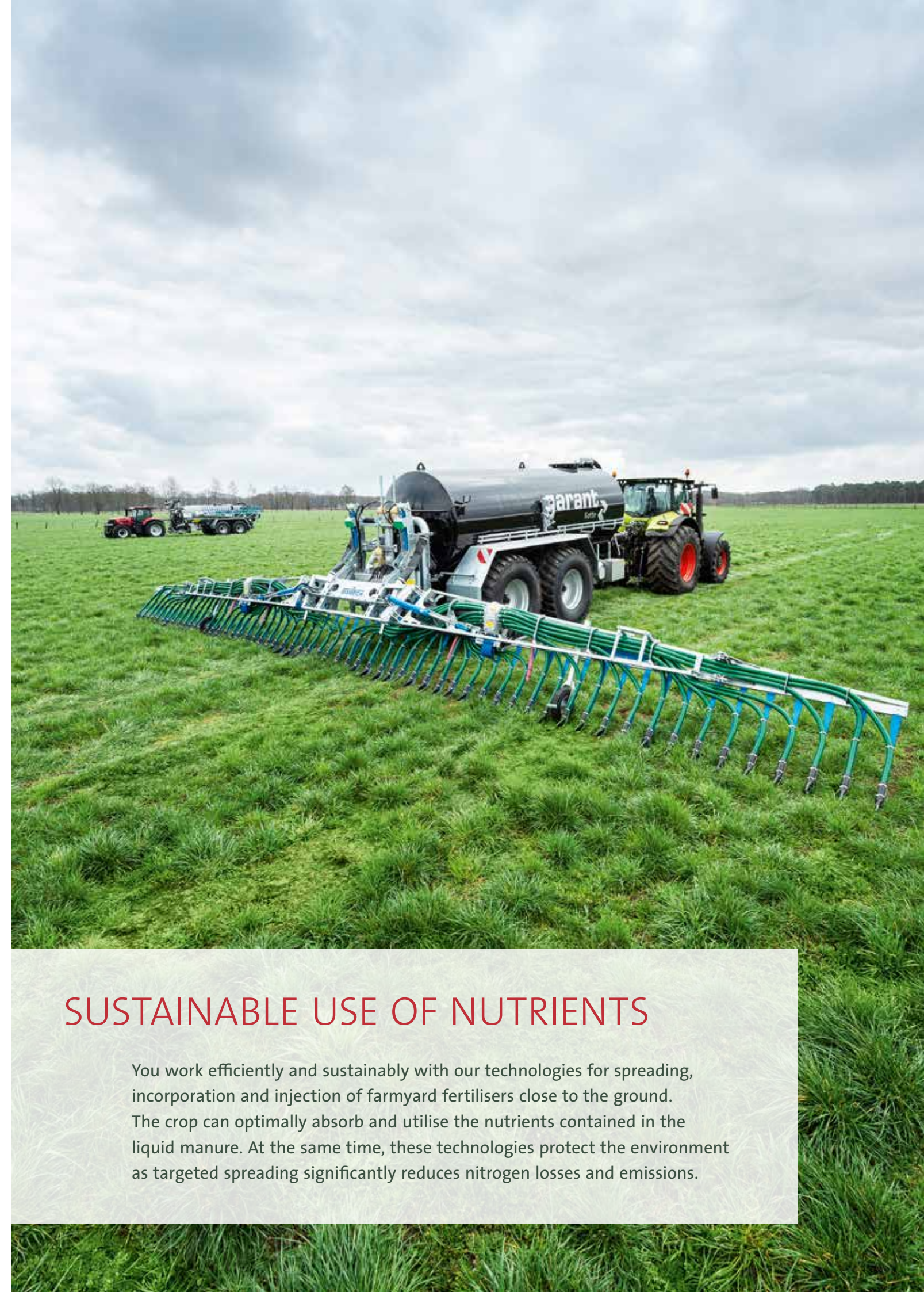
Evers Short disc harrow

garant slurry cultivator

garant SlurryInjector / - Profi (S)

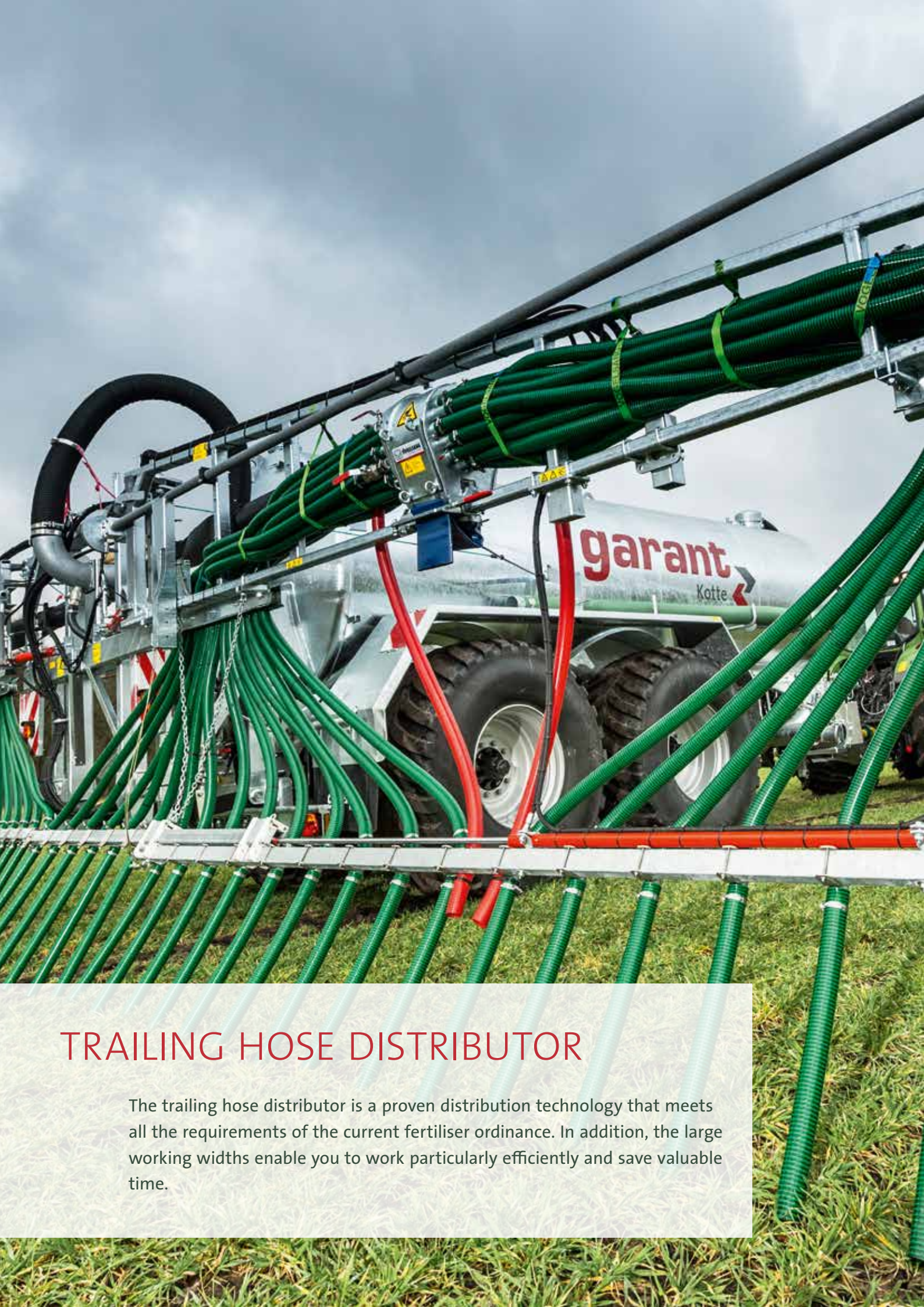
KUHN Striger for Strip Till

BOMECH disc injector



SUSTAINABLE USE OF NUTRIENTS

You work efficiently and sustainably with our technologies for spreading, incorporation and injection of farmyard fertilisers close to the ground. The crop can optimally absorb and utilise the nutrients contained in the liquid manure. At the same time, these technologies protect the environment as targeted spreading significantly reduces nitrogen losses and emissions.



TRAILING HOSE DISTRIBUTOR

The trailing hose distributor is a proven distribution technology that meets all the requirements of the current fertiliser ordinance. In addition, the large working widths enable you to work particularly efficiently and save valuable time.

With a trailing hose distributor you can spread the slurry in exact strips close to the ground. This significantly reduces nutrient emissions. In addition, this technology enables large working widths. We rely exclusively on trailing hose distributors from Vogelsang and thus supply you with a proven spreading technology.

Vogelsang trailing hose distributor

Vogelsang trailing hose systems enable you to work safely and comfortably thanks to their robust frame construction and optimum hose routing. Thanks to the intelligent section control and the precisison distributor, you can spread the slurry exactly where it is needed. You can choose between three Vogelsang trailing hose models for professional use: Whether it is the SwingUp, the SwingMax or the Swing Max36, you are guaranteed to get the technology that exactly matches your requirements and operations.



Vogelsang trailing hose distributor SwingUp 15 m

Overview of trailing hose distributor

	SwingUp	SwingMax	SwingMax36
Working widths (m)	7.5 to 18	18 to 33	36
Transport widths (m) *	Less than 3	Less than 3	Less than 3
Weight (kg)	754 – 1,680	2,200 – 3,300	4,300
Hose distance (cm)	25 or 30	25 – 34	22 – 31
Hose outlets	30 – 60	80 – 96	120
Number of distributor heads	2	2	3
Equipment options for section cut-off	<ul style="list-style-type: none">• Comfort Flow Control• TeleShift• half-boom part-width section cut-off	<ul style="list-style-type: none">• Comfort Flow Control• Double Fold• TopSwing• TeleShift• half-boom part-width section cut-off	<ul style="list-style-type: none">• Comfort Flow Control• Double Fold• TopSwing• TeleShift• half-boom part-width section cut-off

* depending on container diameter

When using a trailing shoe distributor you can place the slurry exactly where the crop needs it. For while the trailing hose distributor deposits the slurry on the ground, the trailing shoe opens the ground slightly during spreading. This creates a capillary effect. The liquid manure reaches below the ground and thus directly goes to the roots of your crop. Another advantage: You increase the quality of your fodder, as the crop does come into significantly less contact with the slurry.

Needless to say, we rely on proven quality and robust technology for our trailing shoe distributors: You can choose between Vogelsang and BOMECH systems.

Vogelsang trailing shoe distributor

The SwingUp Slide and SwingMax Slide trailing shoe distributors stand out for an excellent price-performance ratio. Compared to the Vogelsang trailing hose, this technology achieves an even higher nutrient efficiency.

BOMECH trailing shoe distributor

BOMECH's trailing shoe distributors have been developed for versatile applications and have proven their worth in practical applications for decades. The specially shaped BOMECH towing shoes made of hardened steel exert an active pressure of up to twelve kilograms per coulter on the ground. They thus open the crop in order to deposit the slurry precisely and purposefully.

With their well-designed frames, intelligent boom section management and wear-optimised distributor heads, they meet the highest quality requirements. BOMECH offers various models with working widths between 6.2 and 30 metres.

TRAILING SHOE DISTRIBUTOR

If you place the liquid manure directly under the crop, you make optimum use of the nutrients it contains. With a trailing shoe distributor, nutrient emissions can be reduced even further compared to the trailing hose distributor.



Vogelsang trailing shoe distributor SwingMax Slide 30m



BOMECH trailing shoe distributor Multi 21 m

Overview of trailing shoe systems

	Vogelsang SwingUp Slide / SwingMax Slide	BOMECH Flex	BOMECH Speedy one		BOMECH Speedy Small / Speedy	BOMECH Farmer	BOMECH Multi / Multi Profi	BOMECH Multi 4XL
Working width (m)	12 – 30	6.2 / 7.5 / 8.6	9 / 10.5		12 / 15 12 / 15	12 / 15	12 / 15 / 18 21 / 24	27 / 30
Transport width (m)*	less than 3	2.55 / 2.55 / 2.99	2.55		2.55 2.99	2.99 / 2.99	2.99 2.99	2.99
Weight (kg)	1,300 – 1,700 / 2,300 – 3,300	640 / 760 / 880	900 / 975		1,175 / 1,250 1,175 / 1,250	1,500 / 1,600	1,750 / 1,850 / 2,050 3,000 / 3,250	6,950 / 4,100
Hose distance (cm)	25 / 22.5 – 31.25	22	25		25	25	25	25
Hose outlets	48 – 60 / 80 – 96	28 / 34 / 40	36 / 42		48 / 60 48 / 60	48 / 60	48 / 60 / 72 84 / 96	108 / 120
Number of distributor heads	2	1	1		2	2	2	4
active pressure	—	standard	standard		standard	standard	standard	standard
Equipment options for section cut-off	<ul style="list-style-type: none">· Comfort Flow Control· Double Fold (SwingMax Slide)· TopSwing (SwingMax Slide)· TeleShift· half-boom part-width section cut-off	—	—		half-boom part-width section cut-off	half-boom part-width section cut-off	<ul style="list-style-type: none">· half-boom part-width section cut-off· Comfort Flow Control· hydraulic tip folding up to 3 m per side	<ul style="list-style-type: none">· half-boom part-width section cut-off· Comfort Flow Control· hydraulic tip folding up to 3 m per side

* depending on container diameter



Vogelsang trailing shoe distributor – excellent price-performance ratio and highly variable.



BOMECH trailing shoe distributor – well designed and particularly nutrient efficient thanks to active pressure.



Evers short disc harrow Toric Farmer

The Evers short disc harrow Toric Farmer is the ideal technology for surface tillage, especially on stubble or in the catch crop. The Toric Farmer is available in working widths of five or six metres. The short disc harrow can be equipped with support wheels or a tube packer roller for depth control.



garant slurry cultivator

The garant slurry cultivator incorporates slurry and fermentation substrates into the soil strip by strip. Thanks to its robust spring tines, it can also be used on uncultivated farmland. Moreover, you can level the soil again by using leaf spring closers or solidify it by using a tube packer roller. Thanks to its low dead weight, the garant slurry cultivator can also be attached to smaller slurry tankers.



INJECTION TECHNOLOGY

If you incorporate the slurry directly into the soil, you can make sure nutrients are used particularly efficiently and nutrient emissions are reduced. This is not only good for the environment, but also more beneficial for your business as you can reduce the use of mineral fertilisers. We offer an extensive product range so that you can choose the injection technology that best meets the conditions and requirements of your farm.

garant SlurryInjector

The garant SlurryInjector incorporates the slurry directly and over the entire area of cultivated arable land. Its large spring tines thoroughly mix the soil and thus achieve excellent results. A harrow is integrated as standard to level the soil. Moreover, an attached tube packer roller can simultaneously solidify the soil.



garant SlurryInjector Profi (S)

The tine injectors garant Slurryinjector Profi and garant SlurryInjector Profi S for self-propelled sprayers enable you to quickly and effortlessly inject your liquid fertiliser into the soil. We offer numerous equipment options so you can put together the variant that meets the requirements of your farm. Whether it is used on cultivated or uncultivated arable land – the SlurryInjector Profi (S) stands out for its high output while also ensuring optimum use of nutrients.



KUHN Striger for strip till

The strip till technology has proven itself over many years and is used throughout the world. This technology is particularly suitable for contractors and large farms to use the slurry as underfoot fertilizer. It is injected in strips so that the nutrients are directly available to the crop.



BOMECH disc injector

The BOMECH disc injector is a compact and lightweight slurry spreader that is ideal for use on grassland and cultivated farmland. The disc injector slits open the soil so it can fully absorb the substrate in a very short time. At the same time, the turf is hardly damaged.



Overview of injection technology

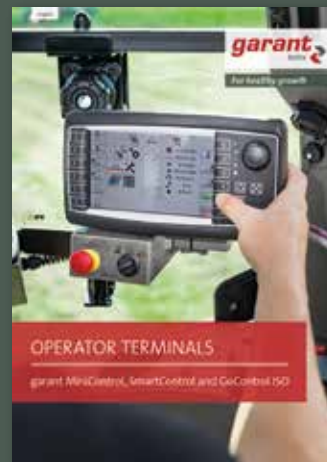
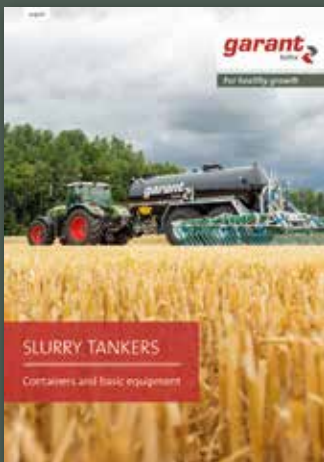
	Evers short disc harrow Toric Farmer	garant slurry cultivator	garant SlurryInjector		garant SlurryInjector Profi	garant SlurryInjector Profi S	KUHN Striger for Strip-Till	BOMECH disc injector
<i>Suitable for...</i>	farmland (uncultivated)	farmland (uncultivated)	farmland (cultivated)		farmland (uncultivated)	farmland (uncultivated)	farmland (uncultivated or partly cultivated)	grassland farmland (cultivated)
<i>Technology suitable for slurry tankers</i>	Yes	Yes	Yes		Yes	No	Yes	Yes
<i>Technology suitable for self-driving vehicles</i>	Yes	No	No		No	Yes	Yes	No
<i>Working width (m)</i>	5.04 (hydraulic folding) / 6.16 (hydraulic folding)	4.60 (hydraulic folding) / 6 (hydraulic folding)	3 / 5 (hydraulic folding) / 6 (hydraulic folding) / 7.5 (hydraulic folding)		2.75 / 4.25 (hydraulic folding) / 5.25 (hydraulic folding) / 6.25 (hydraulic folding)	6 (hydraulic folding) / 7.2 (hydraulic folding)	6 (hydraulic folding)	6.4 / 7.2
<i>Number of discs / coulters / tines</i>	36 / 44 toothed discs	11 / 13 spring-loaded tines with double heart coulters	12 / 20 / 24 / 30 reinforced large feather tines 45 x 12 mm with double springs		11 / 17 / 21 / 25 feather tines with narrow coulters	20 / 24 fixed tines with narrow shares	8 tines	32 / 36 discs
<i>Distance between discs / coulters (cm)</i>	28	50	25		50	60	ca. 10 – 20	20
<i>Distributor head</i>	Vogelsang DosiMat	Vogelsang DosiMat	Vogelsang ExaCut		Vogelsang DosiMat	Vogelsang DosiMat	Vogelsang DosiMat	Alrena
<i>Distribution hose</i>	NW 50	NW 50	NW 50		NW 50	NW 50	NW 50	NW 50
<i>Support wheels for depth control</i>	For equipment without roller	standard	For equipment without roller		standard	—	standard	optional
<i>track loosener</i>	—	—	standard		—	—	—	—
<i>finger weeder</i>	—	—	standard		optional	—	—	—
<i>Tube packer roller / Pressure rollers</i>	optional	optional	optional		optional	standard	standard	—
<i>Dropstop</i>	—	—	—		—	optional	optional	standard
<i>Optional</i>	tube packer roller	leaf spring feeder or roller	—		rotary harrow	—	hydraulic track markers	—
<i>Tare weight (kg)</i>	without roller: 2,500 / 2,700 with roller: 2,800 / 3,250	without roller: 650 / 1,000 / 1,150 with roller: 950 / 1,500 / 1,730	without roller: 1,500 / 1,750 / 1,970 with roller: 1,850 / 2,150 / 2,420		without roller: 950 / 1,350 / 1,500 / 1,750 with roller: 1,300 / 1,900 / 2,100 / 2,400	3,250 / 3,750	3,000	1,050 / 1,150

For healthy growth

This has been our guiding principle in the five decades that we have been developing and producing individual slurry technology for agriculture under the “garant” brand. With a broad product portfolio, our family-run company based in Rieste, Lower Saxony, has become to the German market leader for liquid manure technology. Our slurry tankers stand out for their sophisticated technology that is tailored to your needs.

Every vehicle is different

Thanks to the modular construction principle, you can put together exactly the equipment for your slurry tanker that best meets your requirements. This brochure provides an overview of the extensive selection of spreading technologies. Our slurry tankers and basic equipment are presented in the brochure “Slurry tankers“. Information on additional equipment and on our operator terminals can be found in the brochures of the same name.



dealer stamp