



SPREADING TECHNOLOGIES



Spreading and injection close to the ground

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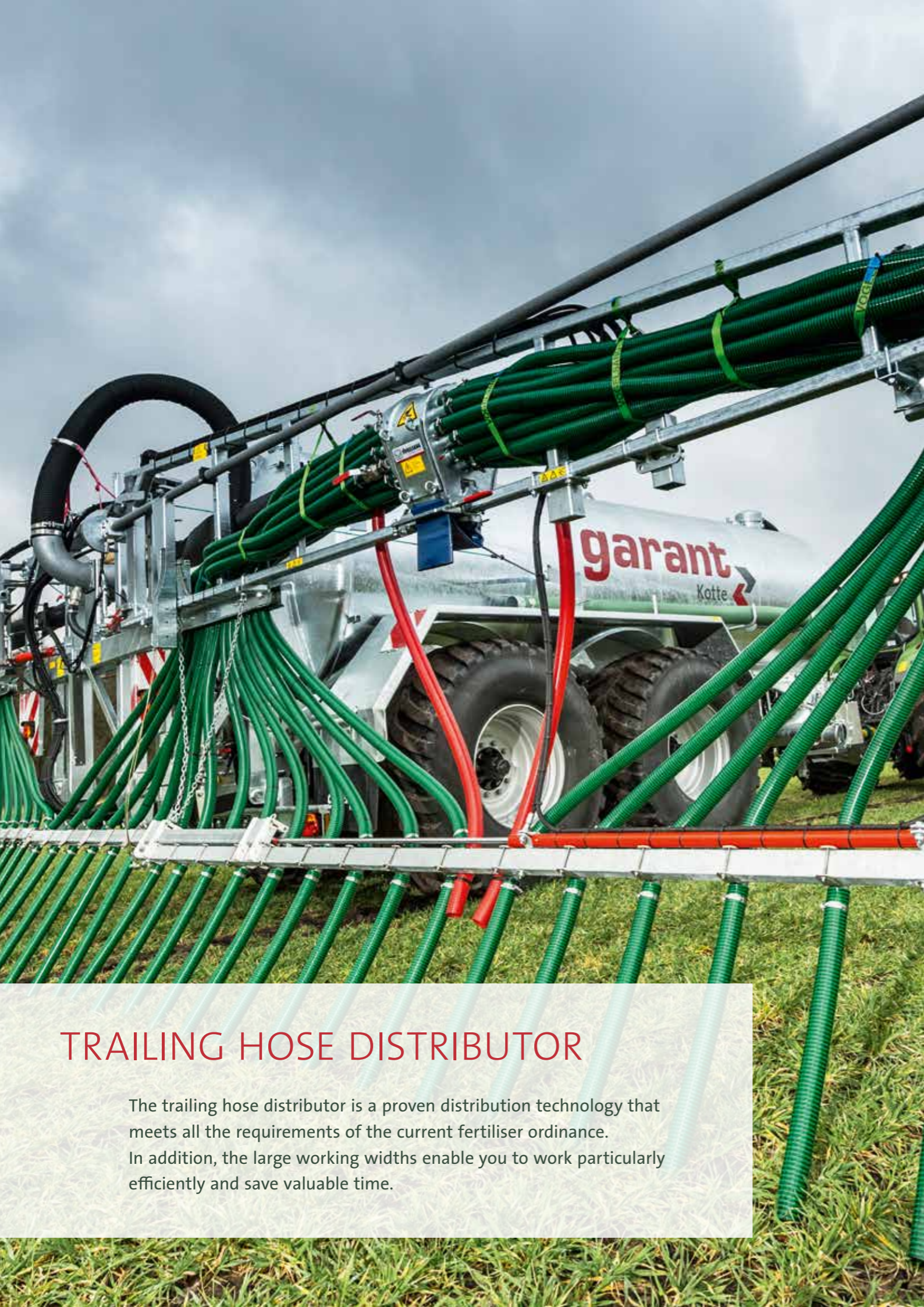
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SUSTAINABLE USE OF NUTRIENTS

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 precision 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 SwingMax 24 m

Overview of trailing hose distributor

	SwingUp	SwingMax	SwingMax36
Working widths (m)	7.5 to 18	up to 30	36
Transport widths (m) *	less than 3	less than 3	less than 3
Weight (kg)	754 - 1.930	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



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.

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 BOMECH trailing shoe distributor

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

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 5.3 and 30 metres.



Vogelsang trailing shoe distributor SwingMax Slide 30m



BOMECH trailing shoe distributor Multi 21 m

Overview of trailing shoe systems

	Vogelsang SwingMax Slide	BOMECH Flex	BOMECH UP		BOMECH Speedy one	BOMECH Speedy Small / Speedy	BOMECH Farmer	BOMECH Multi / Multi Profi	BOMECH Multi 4XL
Working width (m)	21 – 30	5.3 / 6.2 / 7.5 / 8.6	6 / 7.5 / 9 / 10.5		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 / 2.55 / 2.99	2.55		2.49	2.49 2.99	2.49 / 2.99	2.99 2.99	2.99
Weight (kg)	2.300 – 3.300	460 / 640 / 760 / 880	530 / 560 / 660 / 700		900 / 975	1,175 / 1,250 1,175 / 1,250	1,500 / 1,600	1,750 / 1,850 / 2,050 3,000 / 3,250	3,950 / 4,100
Hose distance (cm)	25 – 31.25	22	25		25	25	25	25	25
Hose outlets	80 – 96	24 / 28 / 34 / 40	24 / 30 / 36 / 42		36 / 42	48 / 60 48 / 60	48 / 60	48 / 60 / 72 84 / 96	108 / 120
Number of distributor heads	2	1	1		1	2	2	2	4
active pressure	—	standard	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 	No part-width section cut-off	<ul style="list-style-type: none"> · No part-width section cut-off · Bomech Field Contour System (FCS) for perfect ground contouring 		No 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 	<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

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

Evers Toric Compact short disc harrow

The Toric Compact is the ideal machine for the flat incorporation of slurry and digestate behind a slurry tanker. The compact design and low dead weight make this machine particularly suitable for retrofitting. The sturdy leaf spring elements of the discs ensure optimum ground hugging. Depth control can be ensured either via support wheels or via a tubular bar roller.



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 slurry cultivator

The garant slurry cultivator works slurry and fermentation substrates into the soil in strips. Thanks to its robust spring tines, you can also use it effortlessly on uncultivated arable land. As an option, you can level the soil again in the same operation by means of a leaf spring spreader or reconsolidate it by means of a tube packer roller.

Thanks to its low dead weight, the garant slurry cultivator can also be mounted on smaller slurry tankers.



garant SlurryInjector

The garant SlurryInjector injects slurry directly into the entire surface of cultivated fields. The large spring tines of the injector intensively mix the soil and thus achieve an excellent result. The harrow, which is integrated as standard, then levels the soil. Optionally, the soil can be reconsolidated in the same operation by an attached tube packer roller.



Evers Quarter StripTill

The Quarter from Evers is a strip-till row injector that has been tried and tested for years. This technology is particularly suitable for contractors and large farms to make the slurry usable as sub-soil fertiliser. It is applied to the soil in strips and is thus optimally available for the plants.



TBL slurry injector

The TBL slurry injector is available in working widths of 6 / 7.5 / 8.25 metres with horizontal folding cylinders. The working widths 9 / 9.75 / 12 and 15 metres have a scissor construction for folding. Thanks to this innovative scissor construction, the TBL slurry injector has a low dead weight and a long service life. Optimum contour adaptation can be achieved by individual suspension of the discs. A unique feature is the SectionControl function of the disc sections: In addition to the hose shut-off, a maximum of three disc sections per side are also raised, so that the soil is not worked without slurry being applied.



Overview of injection technology

	Evers short disc harrow Toric	Evers Short disc harrow Toric Mono	Evers Short disc harrow Toric Compact		garant Slurry cultivator	garant SlurryInjector	Evers Quarter Strip-Till	TBL slurry injector
<i>suitable for...</i>	farmland (uncultivated)	farmland (uncultivated)	farmland (uncultivated)		farmland (uncultivated)	farmland (cultivated)	farmland (uncultivated)	grassland / cereals
<i>technology suitable for slurry tankers</i>	Yes	Yes	Yes		Yes	Yes	Yes	Yes
<i>technology suitable for self-driving vehicles</i>	Yes	Yes	No		No	No	Yes	Yes
<i>working width (m)</i>	5,04 / 6,16	7,80 / 8,40 / 9	6		4,60 / 6	5 / 6 / 7,5	4,5 / 6	6 – 15
<i>number of discs / coulters / tines</i>	36 / 44 Discs	26 / 28 / 30 Discs	34 Discs		11 / 13 spring-loaded tines with double heart shares	20 / 24 / 30 reinforced Large spring tines 45 x 12 mm with double springs	6 / 8 elements	—
<i>distance between discs / coulters (cm)</i>	28	30	35		42 / 46	25	75	18,75 / 25
<i>distributor head</i>	Vogelsang DosiMat	Vogelsang DosiMat	Vogelsang DosiMat		Vogelsang DosiMat	Vogelsang ExaCut	Vogelsang DosiMat	Vogelsang DosiMat
<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	optional	standard	—
<i>track loosener</i>	—	—	—		—	standard	—	—
<i>finger weeder</i>	—	—	—		—	standard	—	—
<i>follower</i>	optional	standard	optional		optional	optional	standard	—
<i>dropstop</i>	—	—	—		—	—	—	standard
<i>Optional</i>	Different types of rollers	—	—		levelling tines or roller	—	—	Section Control
<i>tare weight (kg)</i>	without roller: 2.500 / 2.700 with roller: 2.800 / 3.250	2.750 / 2.870 / 2.990	without roller: 1.990 with roller: 2.850		with levelling tines: 1.320 / 1.480 with roller: 1.520 / 1.680	without roller: 1.500 / 1.750 / 1.970 with roller: 1.850 / 2.150 / 2.420	2.580 / 3.315	2.250 – 4.300

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, is the German market leader for liquid manure technology. Our slurry tankers encompass 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.

