



straumann



Universal spreader

VS spreader



Versatile and robust

– The VS spreader



Robust

All-steel trough with optional extensions for high performance

Efficient

2-disc universal spreading unit with even lateral distribution

Exact
Dynamic weighing system for precise fertilising (optional on VS 2005)

Precise
Boundary spreading device for clean working

VS spreader models

Strautmann is setting standards in terms of stability, long service life and flexibility. A high degree of stability under load and a long service life are the most important features that characterise a good spreader.

We are better at spreading!

- VS 1205–2005
- Gross vehicle weight rating of 12–22 t
- Long-lasting precision due to robust spreading unit with Hardox wearing parts

With the Strautmann universal spreaders:

- ✓ You use manure as a valuable fertiliser
- ✓ You discharge your spreading material in accurate manner
- ✓ You spread earth-moist lime and compost without any problems
- ✓ You spread manure in standing stocks

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For utmost precision and efficiency

– The universal spreading unit



Spreading beaters

- Segment beaters with screwed milling tines
- Easily rotatable and replaceable
- In Hardox quality, 12 mm thick
- Very easy to install
- Standard anti-wrap guard for fast and comfortable removal of baler twine from the spreading beaters



Spreading discs

- Wearing plates, discs and throwshovels in Hardox quality
- Adaptation of spreading width via easy adjustment of throwshovels
- Large-sized discs with 4 throwshovels each ensure an optimum spreading pattern and high throughput rates



Boundary spreading device

- Hydraulic operation
- For spreading along field edges or waters
- Exact and clean working
- Available for left-hand and/or right-hand side



Dosage gate

- For dosed spreading of fine spreading components such as sewage sludge or compost.



Chain drive

- Robust drive via large-sized roller chain (1 1/4")
- Optional oil lubrication simplifies maintenance required and ensures reliable lubrication of the drive



Gimbal spreading unit drive

- Optional drive via cardan shafts and gearboxes
- Low amount of maintenance required with long service life
- Reliable power transmission
- Very smooth running

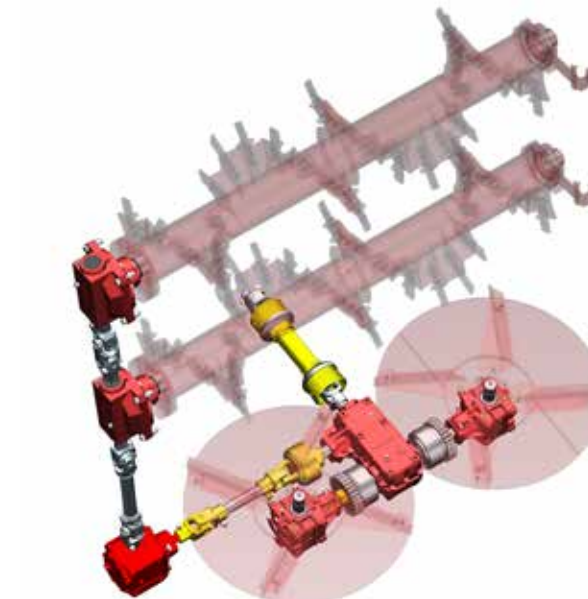
Adjustment of spreading unit bonnet

- Easy adjustment of spreading quality
- Adjustment of dosage gate enables adaptation to any kinds of spreading material and conditions
- Saves power & diesel
- For uncompromising precision



Drive protection

- Separate protection of spreading unit and each individual disc by means of cam-type cut-out clutches
- Gearboxes (red) are protected against damage
- Separate cam-type cut-out clutches (yellow) enable more accurate distribution of power and offer more operational safety



Robust and intelligent design

– Superstructure & floor



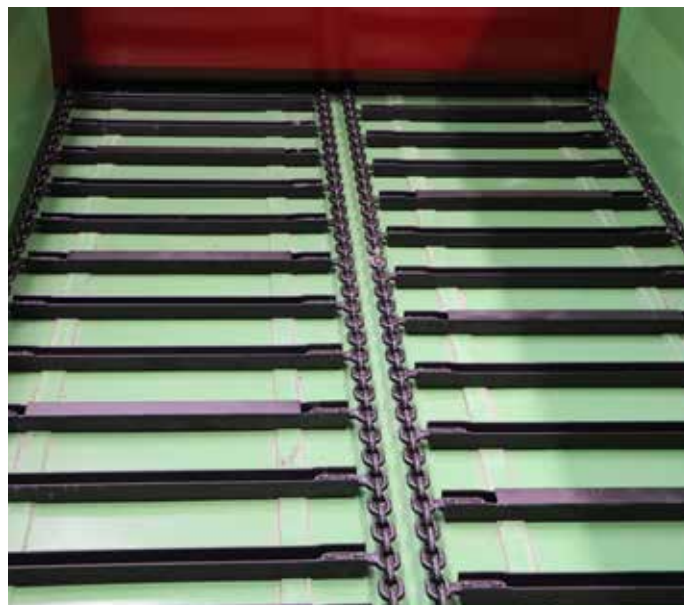
Spreader trough

- Robust, fully welded all-steel trough ensures a high degree of durability, even under tough operating conditions
- Easy charging even with large equipment
- Standard edge protector prevents damage during charging



Extensions

- Increased volume due to 300 mm extension
- Higher filling degree and better utilisation of the entire spreading unit clearance, even in case of fine crumbled spreading materials such as compost
- Standard edge protector prevents damage during charging



Transport floor

- 4 round steel chains, 14 mm thick with a breaking load of 25 t each
- Clean and complete emptying of sticky spreading materials due to roof profiles on every third transport floor strip
- Drive via hydraulic motor



Sprockets

- Very large sprockets with 6 pockets
- Strong support even when reversing the transport floor
- Small turning angle reduces wear
- Extended service life of round steel chains



Automatic tightening of transport floor chain

- Easy visual check of tension
- Easy retightening of chain if necessary
- Upright and comfortable posture during tensioning work
- Reduces wear, thus saving costs

Safety & comfort

– On the field and on the road



Standard boogie chassis

- Perfect driving characteristics on the road and on the field
- Excellent suspension comfort
- Large tyres can be mounted to enable optimum ground protection
- Large pendulum radius ensures a high degree of stability and driving balance even on uneven ground



Passive steering

- Standard equipment on VS 2005, otherwise optional
- Higher manoeuvrability during cornering
- Reduces damage to the sward in grassland use
- Safety on the field and on the road
- Reduced tyre wear and easy towing during cornering



Lift axle

- No negative tongue loads, even when the spreader is half-empty
- Improved transmission and utilisation of the tractor's tractive force

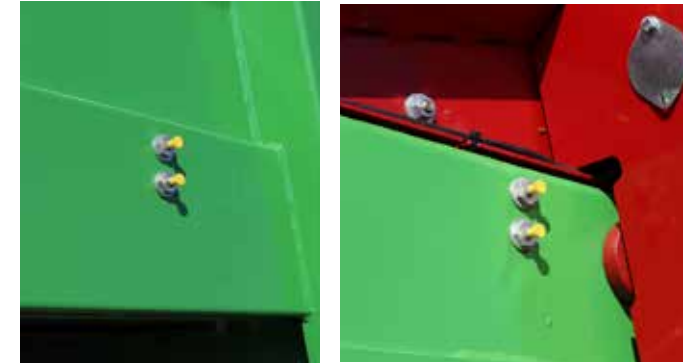


Electronic-hydraulic forced steering axle system for VS 2005

- Protection of ground, tyres and chassis during cornering
- For more driving comfort and safety
- Speed-dependent steering angle reduction
- Additional safety due to the fact that rocking of the vehicle at high speed is prevented

Quality in every component

– Clever details



Joint lubrication points

- Make daily maintenance considerably easier
- Ensure long-term occupational reliability of important driving elements



LED lighting

- Very clearly visible
- Offers safety in road traffic even in the dark or poor visibility conditions



Routing of hydraulic pipes (VS 2005)

- Permanently installed hydraulic pipes ensure high-quality and tidy routing
- Reduced amount of maintenance and service



Everything under control

– The operating options



E-control light

- Operation of hydraulic functions via direct tractor connection
- Adjustment of transport floor speed via rotary potentiometer
- Speed monitoring with transport floor stop
- Switching on and off of work lights



E-control

- Comfortable operation of hydraulic functions via toggle switches
- Adjustment of transport floor speed via rotary potentiometer
- Speed monitoring with transport floor stop



ISOBUS controls

The new ISOBUS applications of the Strautmann manure spreaders set new benchmarks in terms of operating convenience and intelligent machine control. The particularly intuitive operating surfaces make work for the driver significantly easier and ensure utmost discharge accuracy under all conditions. Due to continuously monitoring the discharge quantity, soil fertility and yield are increased while simultaneously reducing the costs for organic fertilisation.

The Strautmann ISOBUS software is AEF-certified and easily compatible with all common tractor terminals.



Smart 570

- Standard right-hand terminal
- 5.7" coloured touch screen
- Volume and weight-dependent spreading quantity control possible
- Numerous automatic functions ensuring intuitive and comfortable machine operation



Touch 800

- Large coloured touch screen
- Ideal for spreading according to application maps
- Volume and weight-dependent spreading quantity control possible
- Spreading quantity control according to position possible
- Order management, storage on USB stick

Exact weighing & efficient fertilising

– Precision Farming

The Strautmann ISOBUS control enables discharge of spreading materials according to position. Thanks to the data of the application map and GPS-aided operation, the spreading material can be exactly spread where it is required in the corresponding quantities to achieve the best possible yield.

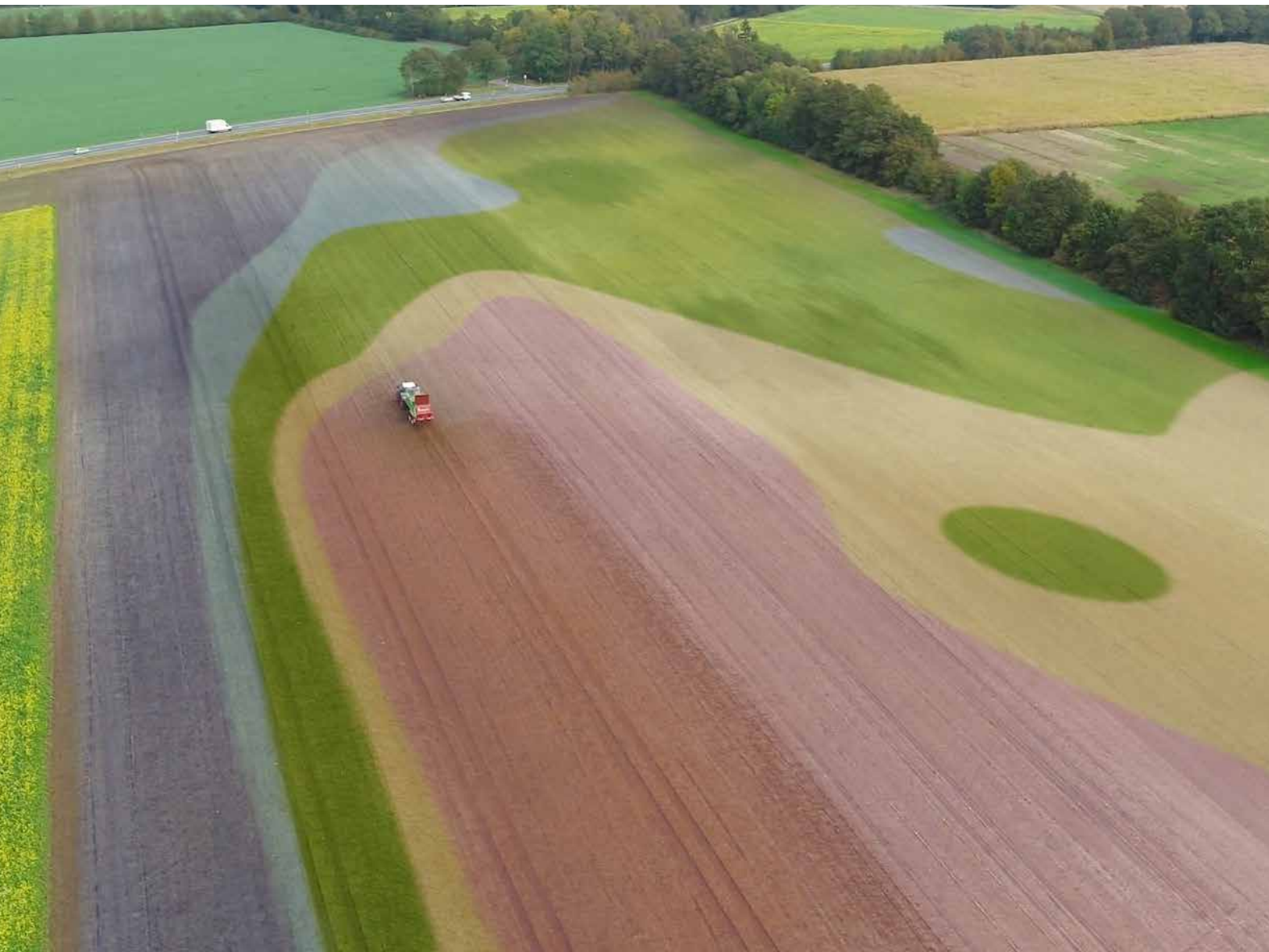
The Strautmann Touch 800 terminal processes all common application map formats, such that the maps can be rapidly and easily read in and processed.

Preparation

- Analysis of ground condition and transfer to a field catalogue
- Preparation of an application map with different discharge quantities per partial area
- Data transfer to a USB data carrier
- Tractor equipped with GPS receiver

Effects

- Spreader position on the field is determined via GPS
- Alignment with application map
- Automatic adaptation of nominal quantity (discharge quantity)
- Automatic adaptation of transport floor speed taking into account the dosage gate setting and the travelling speed



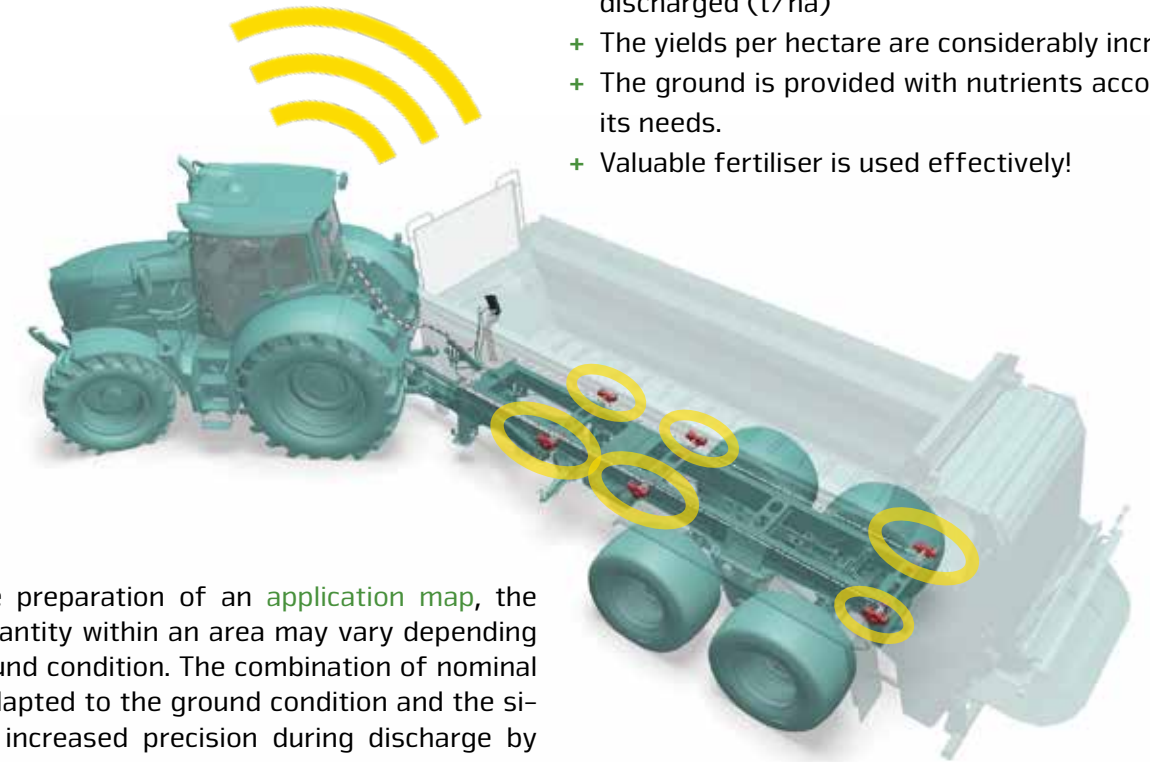
Dynamic weighing system

The new dynamic Strautmann weighing system is the basis for exact discharge of organic fertilisers. This new system – unlike other weighing systems on the market – permanently registers the weight reduction during discharge and compares it with the set quantity to be discharged. Thus, a discharge to the kilogramme is achieved under any conditions. This is a great advantage in particular in case of inhomogeneous spreading materials such as e.g. manure of different density.

The weighing system is fully integrated in the ISOBUS software.

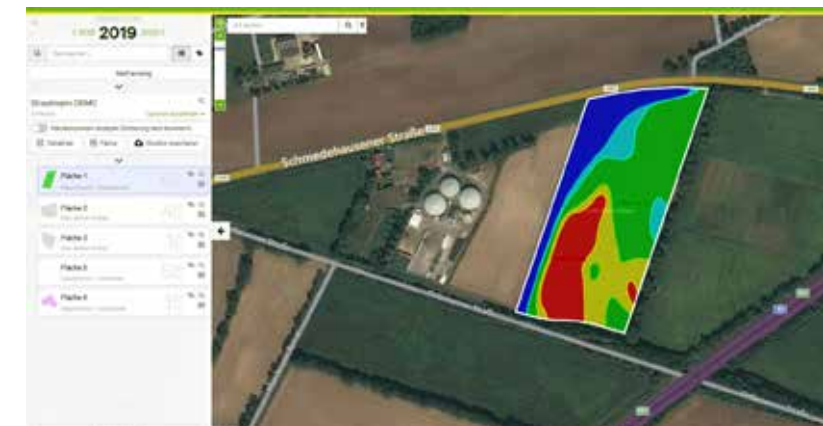
Your benefit

- + The desired quantity of spreading material is discharged (t/ha)
- + The yields per hectare are considerably increased.
- + The ground is provided with nutrients according to its needs.
- + Valuable fertiliser is used effectively!



Due to the preparation of an **application map**, the nominal quantity within an area may vary depending on the ground condition. The combination of nominal quantity adapted to the ground condition and the significantly increased precision during discharge by means of the dynamic weighing system considerably maximises your yield.

All common application map formats can be very easily read in via a USB stick.



Your advantages

- + Considerable increase of yields
- + Perfect supply of inhomogeneous ground conditions within an area
- + Valuable fertiliser is discharged where it is required
- + Costs are minimised, benefit is increased

Customised

– Additional equipment options



- Wooden bottom**
- Clean bottom, clean roads
 - Mounted below the transport floor
 - Prevents gross dirt deposits at the chassis – for long conservation of value



- Lighting**
- LED lighting package
- Round-the-clock operation by means of LED work lights
 - Bright illumination of work environment



- Clearance and side-marker lights**
- Additional safety in road traffic



- Central lubrication**
- Manual daily maintenance no longer required
 - Ideal for long working intervals

Technical data

Technical data	VS 1205 with 710/50 R 26.5 tyres	VS 1605 with 710/40 R 22.5 tyres	VS 1805 with 710/40 R 22.5 tyres	VS 2005 with 710/50 R 26.5 tyres
Dimensions				
Height [m]	3.54	3.47	3.47	3.57
Outside wheel width [m]	2.75	2.66	2.76	2.81
Charging height [m]	2.64	2.57	2.57	2.77
Length	8.14	8.14	8.14	8.64
Dead weight				
with 2-disc wide-angle spreading unit from [kg]	6,500	7,300	7,400	8,200
Gross vehicle weight rating				
with top linkage [kg]	12,000	16,000	18,000	20,000
with bottom linkage [kg]	13,000	17,000	19,000	22,000
Power required				
Power required from	88 kW / 120 HP	88 kW / 120 HP	88 kW / 120 HP	110 kW / 150 HP
Inside dimensions of superstructure				
Length [m]	5.53	5.53	5.53	6.03
Length up to dosage gate [m]	4.85	4.85	4.85	5.35
Width [m]	1.93	1.93	1.93	1.93
Side panel height [m]	1.06	1.06	1.06	1.06
Loading capacity				
Loading capacity [m³]	16.5	16.5	16.5	18.0
Loading capacity up to dosage gate [m³]	14.5	14.5	14.5	16.0
Spreading unit				
Spreading unit clearance [m]	1.55	1.55	1.55	1.55
Dosage gate clearance [m]	1.55	1.55	1.55	1.55

Figures, technical data and weights may change due to technical development and are not binding for delivery.





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