



strautmann



Universal spreader

PS spreader



Precision for large volumes

– The PS spreader



Robust
All-steel trough with optional ex-
tensions for high performance

Precise
Boundary spreading device for
clean working

Exact
Optional dynamic weighing system
for precise fertilising

Professional version
Robust spreading unit drive
with cardan shafts and gearboxes

Efficient
2-disc universal spreading unit
with even lateral distribution

PS 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!

- Gross vehicle weight rating of 22 – 34t
- Robust & powerful
- Accurate

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 com-
post.
without any problems
- ✓ You spread manure in standing lives-
tock

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The big ones get things moving...

– The PS spreader series

Your advantages

- + High power
- + Spreading width of up to 24 m
- + Accurate lateral distribution
- + Exact spreading pattern
- + Maximum throughput rate



PS 2201/2401

- Gross vehicle weight rating of 22/24 t
- Loading capacity of 21.6/23 m³
- Efficient universal spreading unit with a spreading width of up to 24 m
- Hydraulic tandem chassis with optional suspension
- Passive steering or electronic-hydraulic forced steering axle system (SES)

Technical modifications reserved



PS 3401

- Gross vehicle weight rating of 34 t
- Loading capacity of 28.3 m³
- Efficient universal spreading unit with a spreading width of up to 24 m
- Hydraulic tridem chassis with lift axle and electronic-hydraulic forced steering axle system

Technical modifications reserved

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.
- Inclined by 10° for even material flow



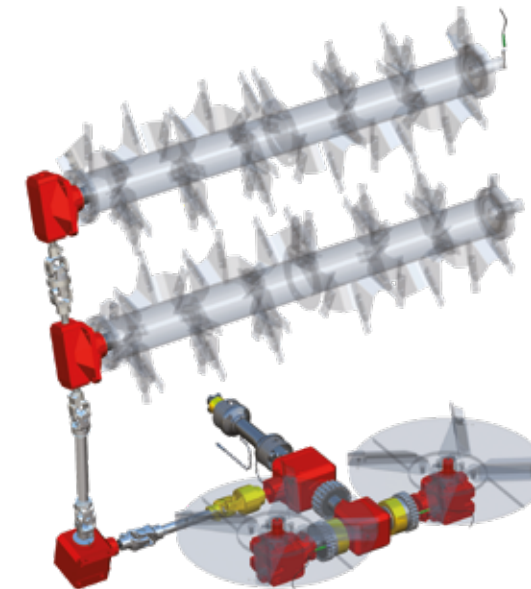
Spreading unit drive

- Standard 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 clutch
- 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



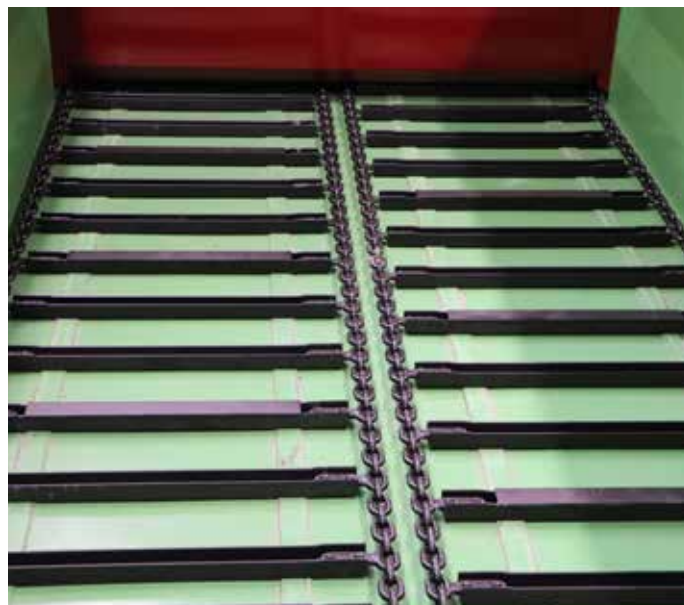
Spreader trough

- Robust, fully welded all-steel trough with platform of 2.20 m in width
- Easy charging even with large equipment
- Standard edge protector prevents damage during charging



Extensions

- Increased volume due to 500 mm extension
- Available for left-hand and/or right-hand side
- Hydraulically folding as an option to reduce the discharge height



Transport floor

- 4 round steel chains, 16 mm thick with a breaking load of 28 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 tensioning 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



Hydraulic chassis with optional suspension

- Particularly high degree of stability
- Large tyres up to 30.5" possible
- Optimum adaptation to ground
- Safety on the field and on the road



Lift axle

- No negative tongue loads, even when the spreader is half-empty
- Improved transmission and utilisation of the tractor's tractive force
- Standard equipment on the PS 3401; available as an optional extra on the PS 2201/2401



Electronic forced steering axle system

- 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
- Standard equipment on tridem chassis
- Optional equipment on tandem chassis (standard passive steering)



Drawbar suspension

- For more driving comfort and safety
- Standard mechanical suspension
- Hydraulic version available as an optional extra



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 Straumann 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 Straumann 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 and GPS-aided control, the spreading material can be accurately spread where it is required in the corresponding quantities to achieve the best possible yield

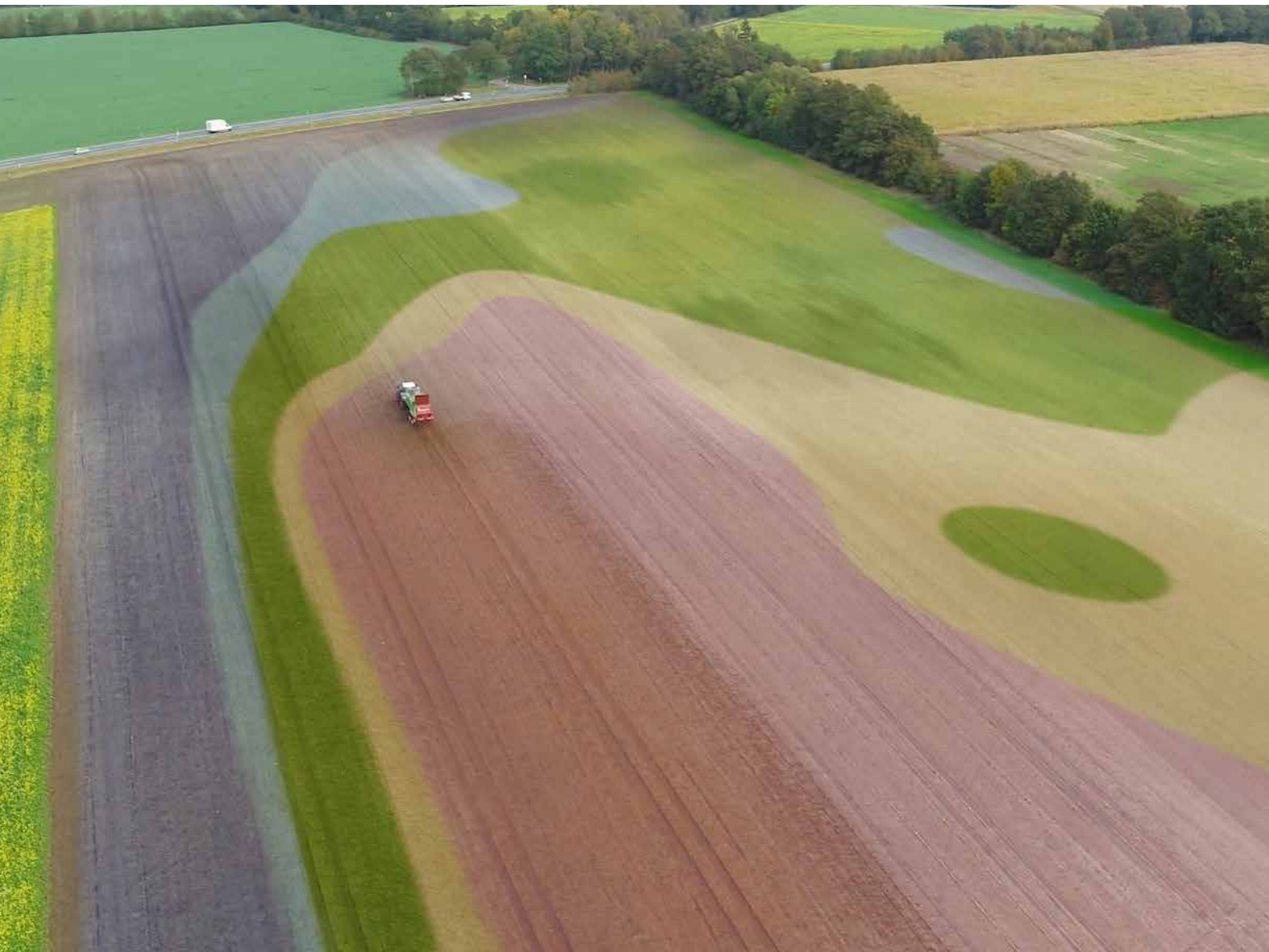
The Strautmann Touch 800 terminal processes all common application map formats, such that the maps can be rapidly and easily read in and processed.

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 consideration the dosage gate setting and the travelling speed



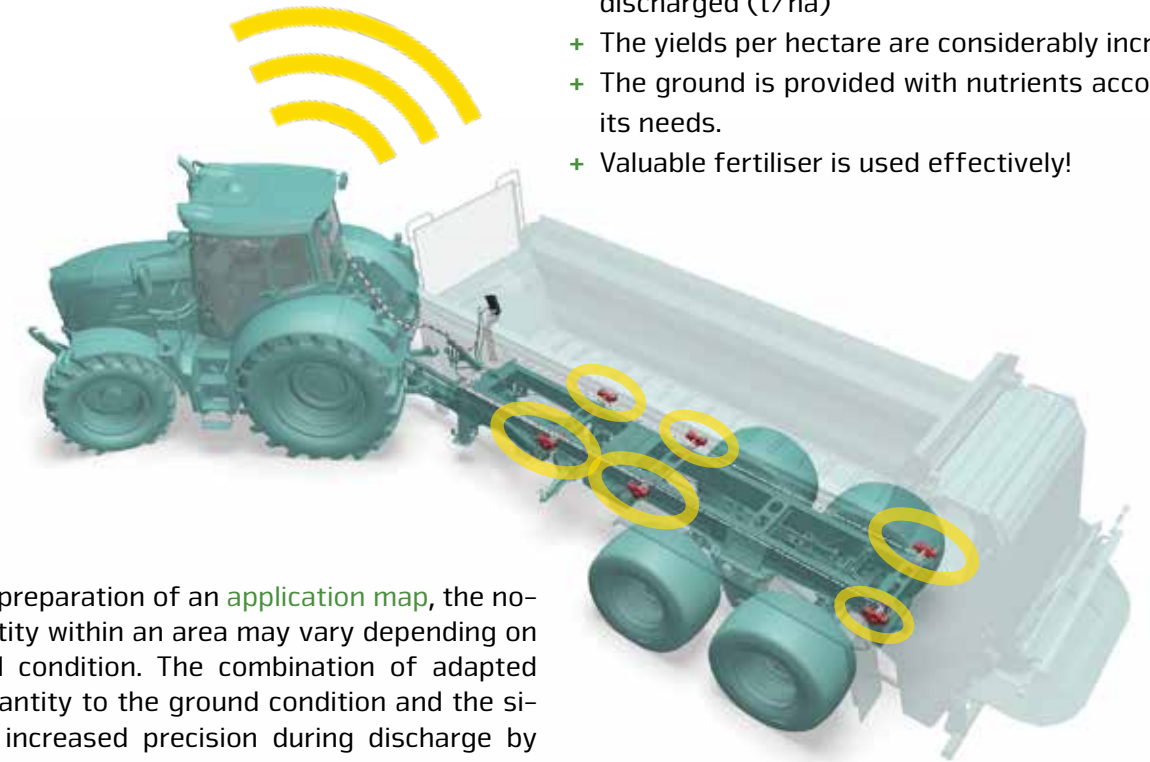
Dynamic weighing system

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.

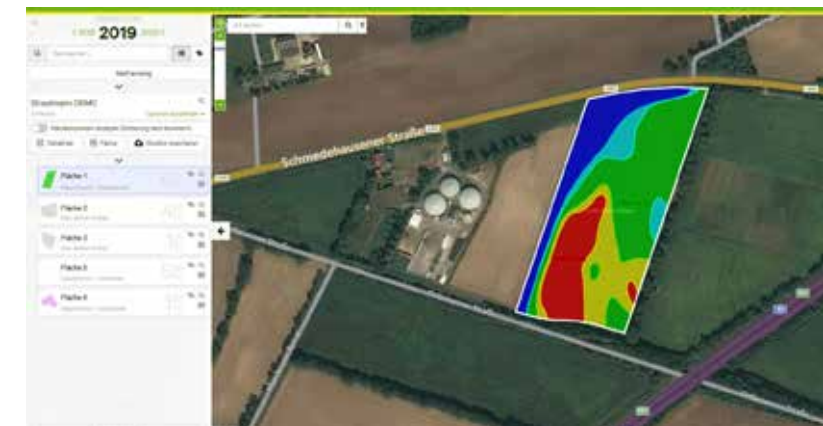
Your benefit

- + 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 adapted nominal quantity 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

Quality in every component

– Clever details



Comfortable ladder

- Convenient access into the steel trough
- Safe entry via non-slip treads



Joint lubrication points

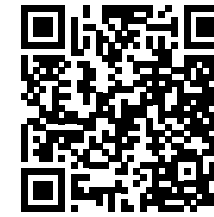
- Make daily maintenance considerably easier
- Ensure long-term occupational reliability of important driving elements



LED lighting

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

See machines in action:



Just scan the QR code or visit the Straumann YouTube Channel.



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

	PS 2201	PS 2401	PS 3401
Overall dimensions (tyres 710/50 R 26.5)			
Length [m]	9.34	9.74	11.30
Outside wheel width [m]	2.81	2.81	2.81
Height [m]	3.71	3.71	3.71
Charging height [m]	3.12	3.12	3.12
Dead weight			
with 2-disc wide-angle spreading unit from [kg]	10,500	11,000	13,700
Gross vehicle weight rating			
Gross vehicle weight rating [kg]	22,000	24,000	34,000
Power required			
Power required from	125 kW / 170 HP	136 kW / 185 HP	162 kW / 220 HP
Inside dimensions of superstructure			
Length up to dosage gate [m]	5.95	6.35	7.80
Length up to spreading unit [m]	6.45	6.85	8.40
Width [m]	2.20	2.20	2.20
Side panel height [m]	1.40	1.40	1.40
Loading capacity			
Loading capacity up to dosage gate [m³]	21.6	23.0	28.3
Spreading unit			
Spreading unit clearance [m]	1.65	1.65	1.65
Dosage gate clearance [m]	1.65	1.65	1.65

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





www.strautmann.com

B. Strautmann & Söhne GmbH u. Co. KG



Bielefelder Straße 53
D-49196 Bad Laer
Phone: +49(0)5424/802-0
Fax: +49(0)5424/802-76
info@strautmann.com
www.strautmann.com