

FERTILISER SPREADERS **SPICA, TAURI AND POLARIS**



CONTENTS

Technology	4
Filling, calibration test and drainage	4
Adjustment of rates and working widths	6
FERTITEST	8
FERTIWAY – working width adjustment	10
Spreading pattern	12
Spica	14
Equipment overview	16
Spica 8	18
Border spreading	19
Accessories	20
Technical data	21
Tauri	22
Equipment overview	24
Border spreading	26
TRIBORD 2D border spreader	27
Tauri 8	28
Operation	29
Tauri 12	30
Weighing system	31
Width section control	32
Operation	33
Accessories	34
Technical data	35
Polaris	36
Equipment overview	38
EPSILON spreader vanes	40
Assistance systems	42
Weighing system	43
TRIBORD 3D border spreader	44
Operation	45
ECONOV section control	46
Accessories	50
Technical data	51
Comparison of models	52

Fertilisation accounts for about a third of the operating costs in arable farming. That’s why the technology used is all the more important to minimise losses and increase both efficacy and precision. Our five fertiliser spreader models in three performance ranges make your work easier and support you in reaching your goals. Experience Spica, Tauri and Polaris – fertilising precision in LEMKEN Blue.

BECAUSE IT'S EASY



Filling made easy

Whether straight from a big bag or a front loader bucket – with a tank width of over 2.20 metres, filling is as straightforward as can be. Never lose even a single grain or granule again.

Drainage – down to the very last granule

The inclined shutter combined with the easily installed feeder chute ensure that the tank drains completely and can be cleaned effortlessly. So that your spreader will give you lasting joy.



Calibration testing in no time

The feeder chute required for calibration is quick and easy to install without any need for tools. The bucket also needed for calibration testing can simply be attached to the chute. Everything is therefore at hand for supremely comfortable calibration.

A QUESTION OF ADJUSTMENT

APPLICATION QUANTITY

Manual adjustment

In our Spica 8 and Tauri 8 models, operators set the application quantity manually on the spreader. A clear scale allows the shutter to be adjusted with great precision down to the kilo.



Speed-dependent adjustment

In the Tauri 12, Polaris 12 and Polaris 14 a weighing cell automatically adjusts the shutter opening dependent on speed to ensure that there is neither over-fertilisation nor under-fertilisation in any section. This guarantees reliably even application.



WORKING WIDTH

Manual adjustment

In all models except the Polaris 14, error-free, precise manual adjustment is supported by a clear, easy-to-read scale on the spreader.



Automatic electronic adjustment

In the Polaris 14, the working width is adjusted fully automatically thanks to highly precise GPS tracking.



FERTITEST – SPREADING TABLES ARE SO PASSÉ

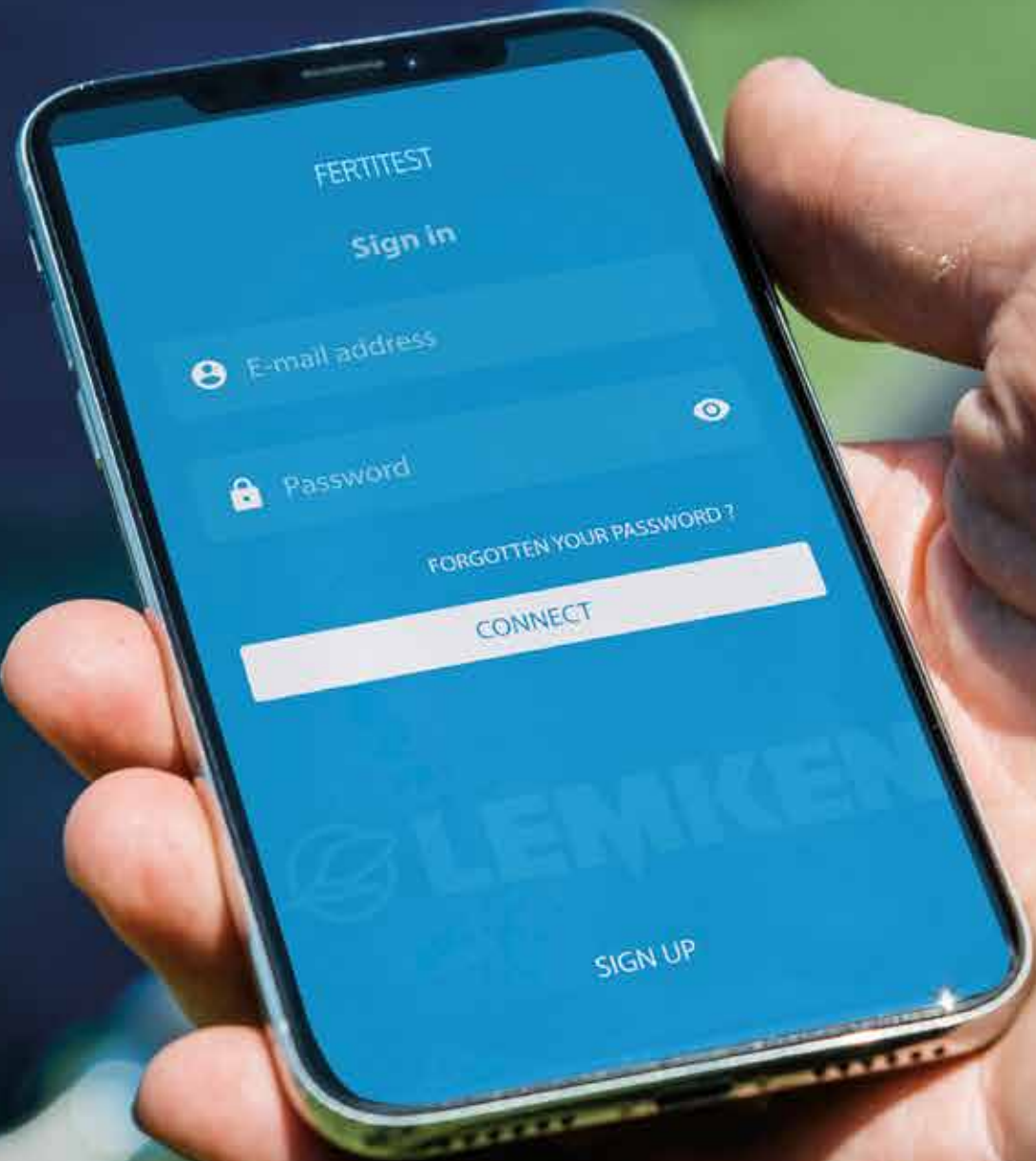
Correct adjustment is an essential prerequisite for fertilisation that is precisely aligned with needs. By using the right configuration, you ensure that you use fertiliser with maximum efficiency to achieve the intended fertilisation outcomes. It is important to keep in mind that each type of fertiliser requires different, specific settings.

The **LEMKEN FERTITEST app** was developed to enable you to determine the correct settings as easily as possible. This free app delivers the correct settings for your fertiliser spreader quickly and easily right to your fingertips. We suggest that you perform a calibration test and check the application width to ensure maximum precision. You can then simply transfer the resulting values to your fertiliser spreader. In the models of the 8 series, this is done manually on the spreader, while in models with ISOBUS control (12 and 14), you enter the calculated settings via the terminal. Results can also be exported and transferred via a USB stick or memory card to make it even easier to transfer values to an ISOBUS terminal.

Simply forget about scrutinising spreading tables for hours. **LEMKEN FERTITEST** makes life easy – whether with a computer or a mobile end device.

fertitest.lemken.com

The **LEMKEN FERTITEST app** is available from:



Only four steps to determine the right values:

1. Select the material to be spread: mineral fertiliser, natural fertiliser, slug pellets or seeds
2. Select the exact variety of the chosen material
3. Select the fertiliser spreader model and spreader vane type, working working width, ground speed and application quantity
4. Receive your recommended settings

FERTIWAY

WORKING WIDTH CONTROL THAT SETS NEW BENCHMARKS

Our sophisticated **FERTIWAY system** regulates the working width by changing the fertiliser drop point. This technology has two major advantages:

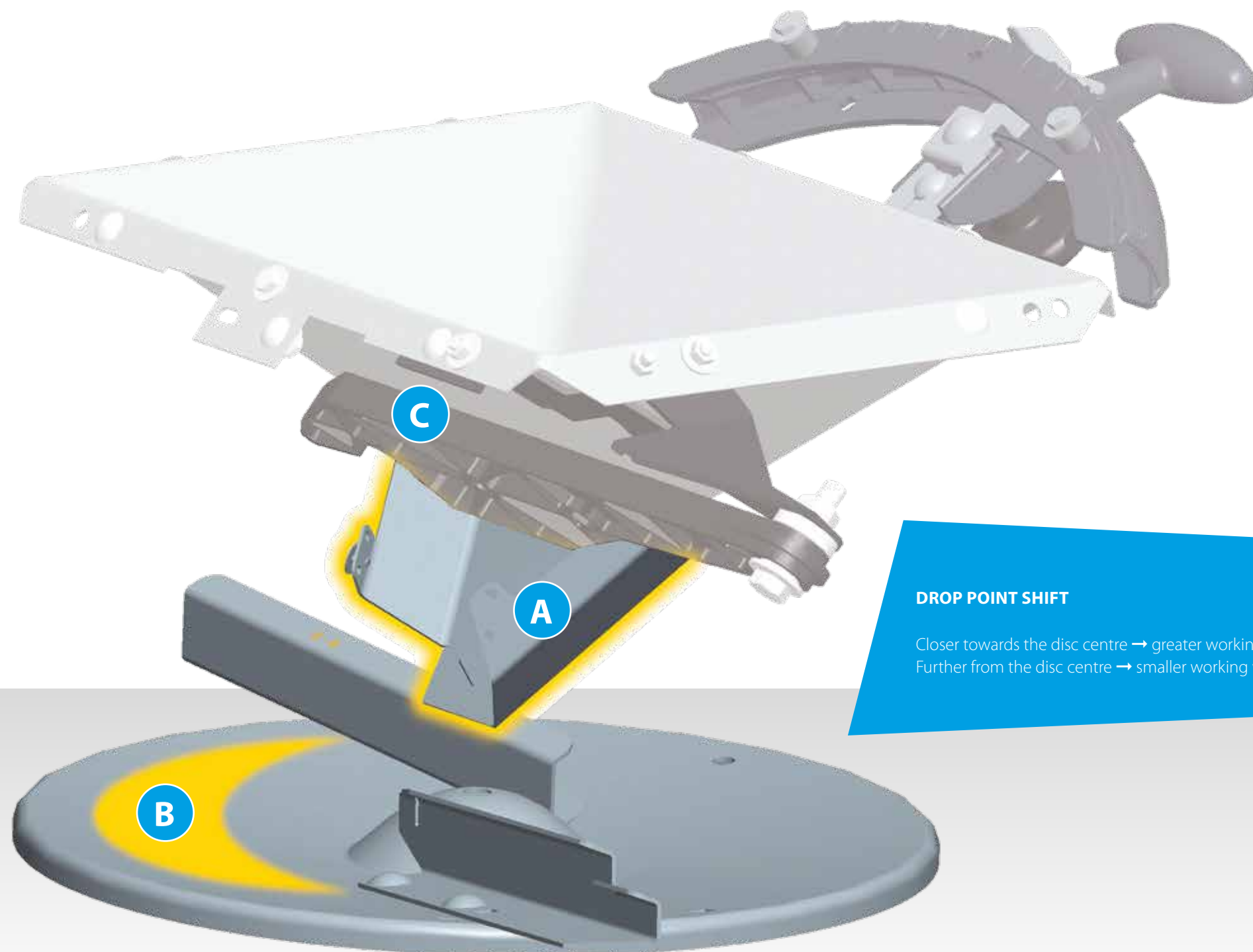
First, fertiliser granules remain intact without breakage.
Second, granule abrasion is prevented.

A Infinitely variable feeder

The inclined feeder supplies fertiliser precisely and directly to the spreader disc.
The resulting “chute effect” slightly accelerates the fertiliser material.

B Drop point

C The inclined shutter can be opened and closed instantaneously and ensures complete drainage, regardless of the weight still in the tank.



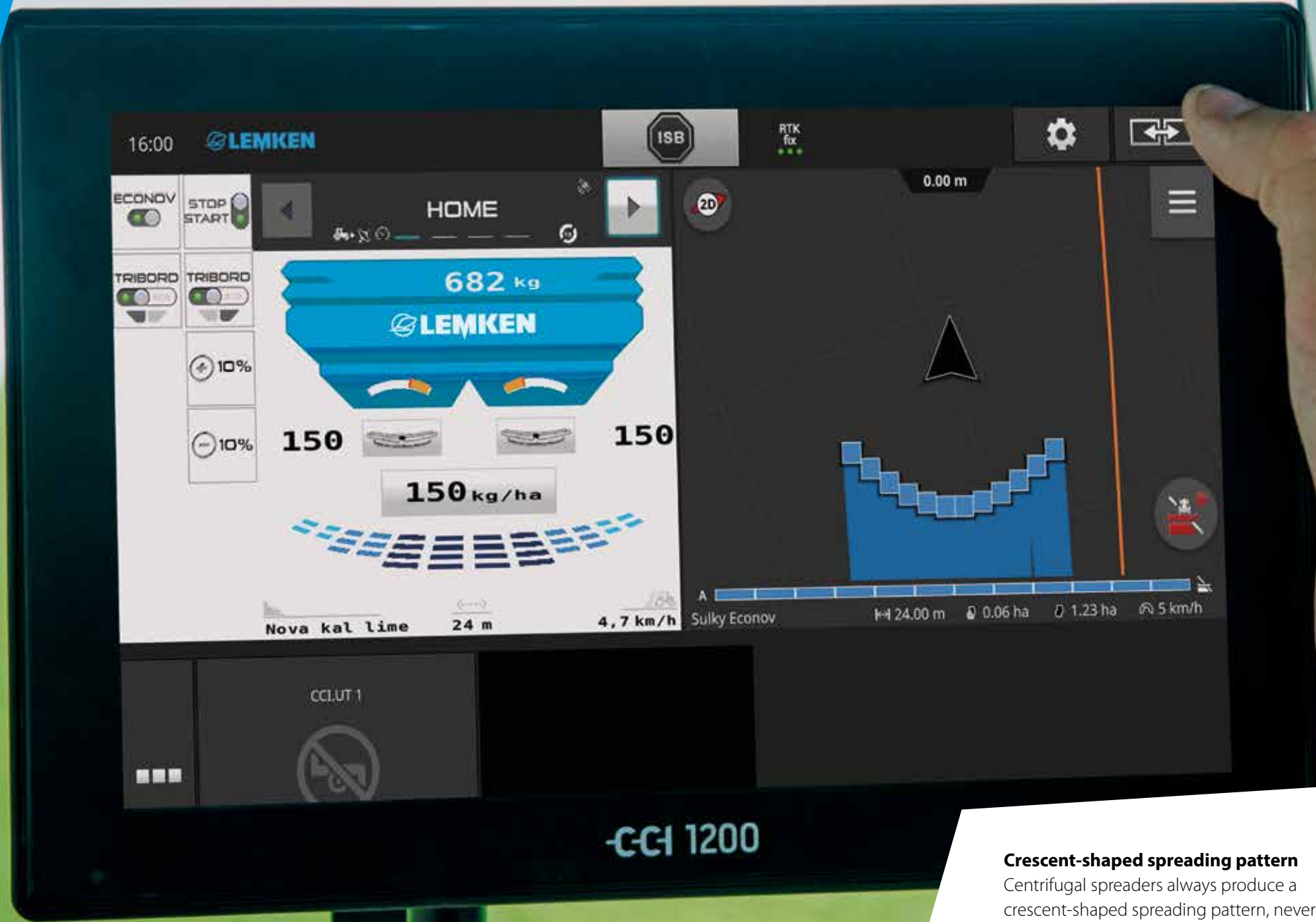
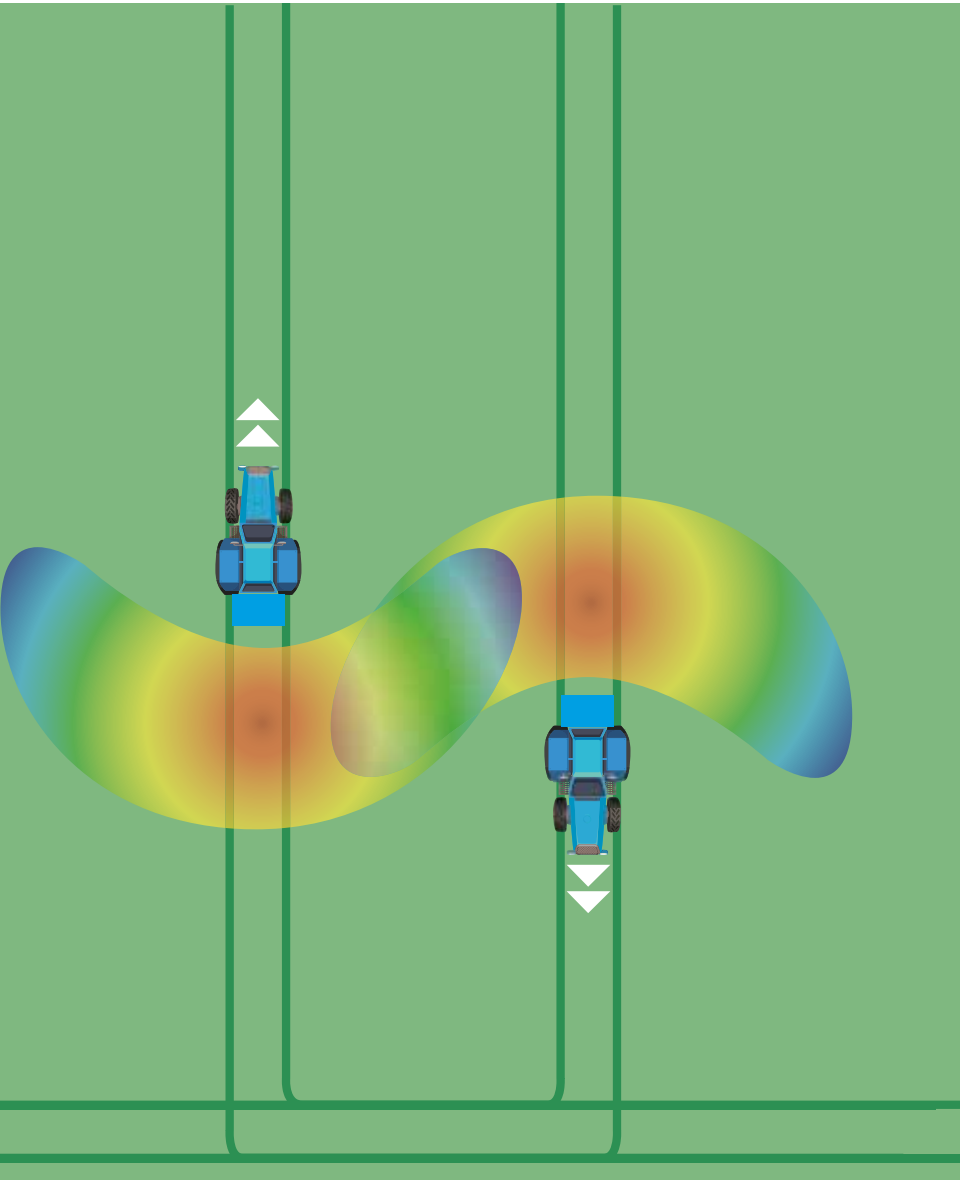
DROP POINT SHIFT

Closer towards the disc centre → greater working width
Further from the disc centre → smaller working width

SPREADING PATTERN PERFECT DISTRIBUTION

Overlap
Our **LEMKEN** fertiliser spreaders incorporate state-of-the-art technology to ensure optimal overlap between fertiliser layers and passes. This overlap produces a

highly homogeneous spreading pattern. Thanks to sophisticated spreading technology, fertiliser is reliably and optimally distributed even with very large working widths of up to 50 metres.



Crescent-shaped spreading pattern
Centrifugal spreaders always produce a crescent-shaped spreading pattern, never a straight one. Our patented **ECONOV** is the only section control system on the market able to map actual spreading patterns accurately in a crescent shape and to activate and deactivate accordingly along field borders.

SPICA

SMALL YET POWERFUL



Loss-free filling, reliable adjustments and precise application – the **Spica** embodies our focus on the essential. After all, that's sometimes all you need to achieve your desired goals.

BRILLIANT DOWN TO THE TINIEST DETAIL

Robust dip-coating
for a long spreader service life
without rust



Angle adjustment and display
for precise late top dressing



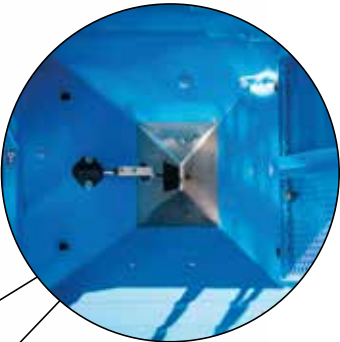
Easily readable scale
for accurate quantity adjust-
ment down to the kilo

Working width
up to 24 metres

Tank volume
from 900 to 2,100 litres



Gentle, oscillating agitator
for an even flow of granulate



Two funnel outlets
and the inclined shutter ensure an even
flow of fertiliser, even on slopes or when
fill levels are low

Mobile feeder chute with bucket
for comfortable calibration testing
and easy drainage



ECOBORD stainless steel spreader vane
for spreading along field borders. Thanks to this border
spreader system, you not only comply with EU directives,
but also protect the environment.

THE SPICA 8 SPEED ON THE FIELD

With tank volumes from 900 to 2,100 litres and up to 24 metres working width, the **Spica** is ideal for smaller farming businesses, above all. This implement was designed for making the handling of your fertiliser spreader

as easy as possible – and this goal was achieved through and through. Mounting, filling, adjusting – it only takes a few steps before you're all set to work on your fields. The operator controls the spreader remotely from the cab via intuitively as-

signed buttons. With a range of optional equipment from our wide range of accessories, the Spica leaves nothing to be desired in terms of operator comfort.



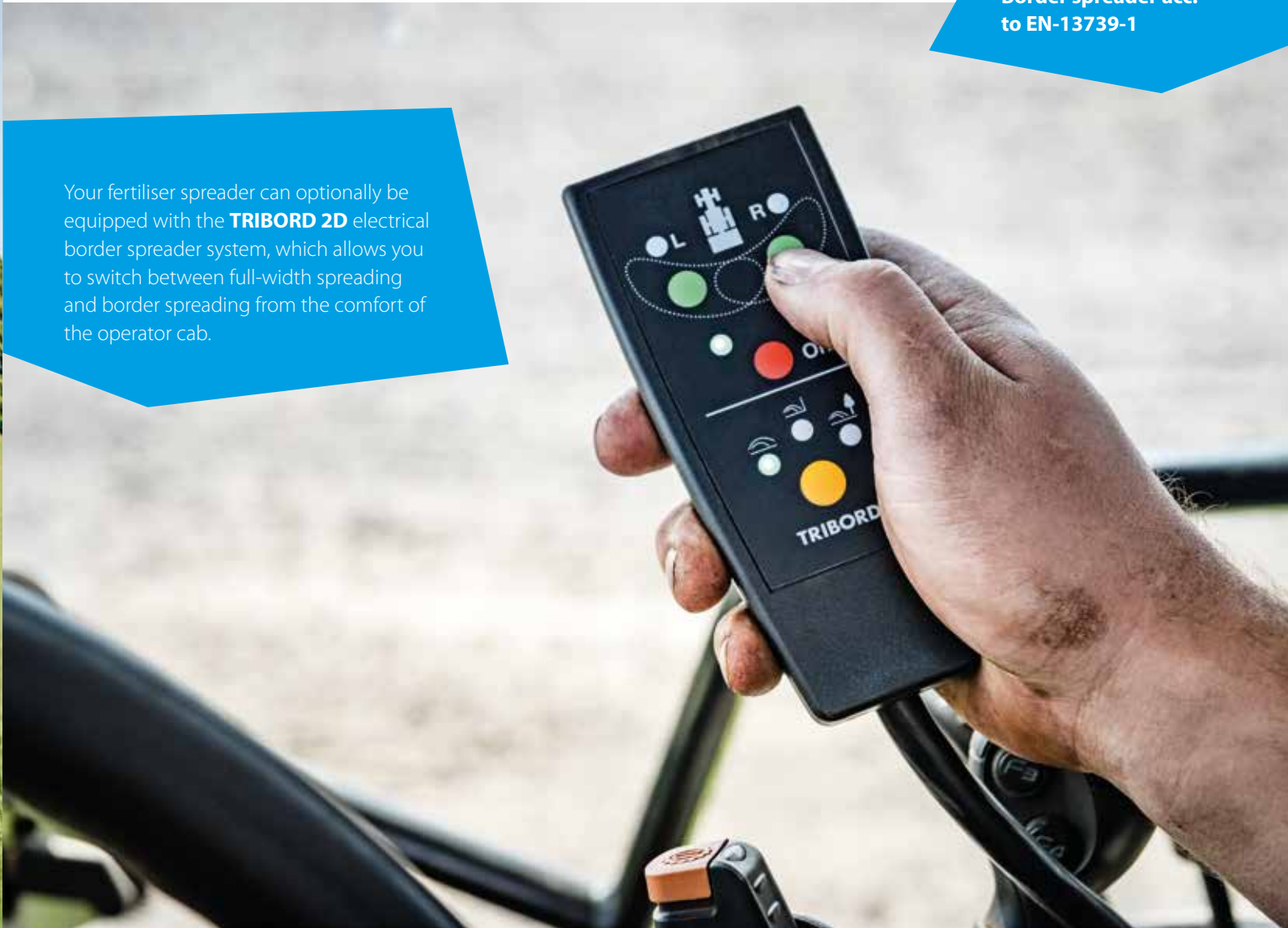
BORDER SPREADING WITH EASE AND COMFORT



In the Spica 8, **ECObord** spreader vanes are used along borders to ensure that no fertiliser is applied beyond the field boundaries. These vanes are quick and easy to attach to the spreader discs without any special tools.

Border spreader acc.
to EN-13739-1

Your fertiliser spreader can optionally be equipped with the **TRIBORD 2D** electrical border spreader system, which allows you to switch between full-width spreading and border spreading from the comfort of the operator cab.



EVEN GREATER FUNCTIONALITY WITH GENUINE LEMKEN ACCESSORIES

Perfectly fitting tank lid
to keep your fertiliser reliably dry.

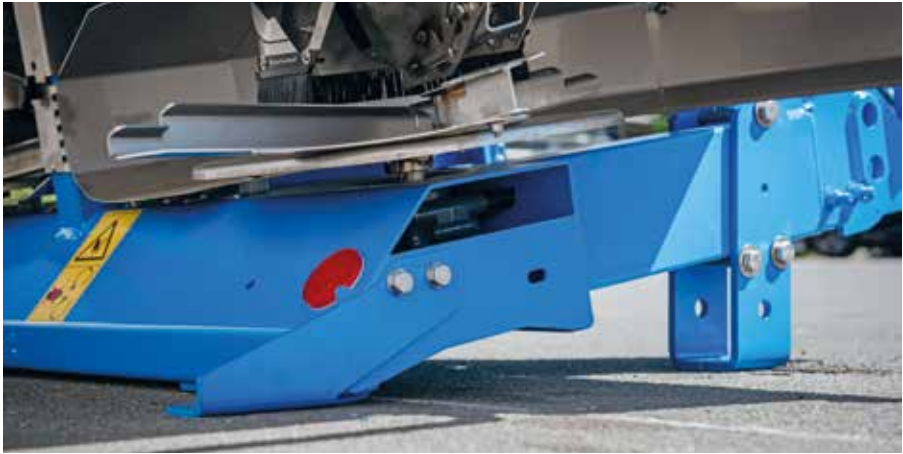
The Tauri tarpaulin (shown here) is identical with the optional Spica tarpaulin.



Calibration test kit
comprising a feeder chute,
bucket and adjustment shutter



Application rate reduction
to allow small volumes between three and
60 kilograms to be applied.



Stands
for easy mounting and dismounting
without any need for pallets.

SPICA 8 TECHNICAL DATA

	Working width 9–18 m	Working width 12–24 m		
Max. tank volume	900 litres	900 litres	1,500 litres	2,100 litres
Overall width	2.29 metres	2.29 metres		
Filling dimensions	1.23 x 2.21 metres	1.23 x 2.21 metres		
Filling height	0.91 metres	0.91 metres	1.12 metres	1.32 metres
Weight (approx.)	300 kg	300 kg	345 kg	385 kg
Load capacity	2,100 kg	2,100 kg		

TAURI

READY FOR ANYTHING



Our Tauri models offer not only larger tank volumes and greater working widths, but also more comfort, especially with the **Tauri 12** model. With its wide range of features, the Tauri is the perfect match for mixed and livestock farming businesses.

OPTIMAL EQUIPMENT



ISOBUS preparation
for easy connection of an ISOBUS terminal to the Tauri 12



Angle adjustment and display
for precise late top dressing



TRIBORD 2D border spreader
for switching between full-width and border spreading

Robust dip-coating
for a long spreader service life without rust

Tank volumes
between 1,500 and 3,000 litres

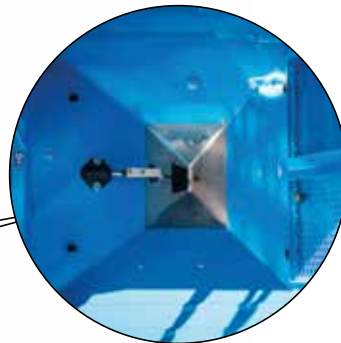
Weighing unit (with the Tauri 12)
for even more precise application



Gentle, oscillating agitator
for an even flow of granulate



Extra-wide extensions
for easy filling



Two funnel outlets
and the inclined shutter ensure an even flow of fertiliser, even on slopes or when fill levels are low

ECOBORD stainless steel spreader vane
for spreading along field borders

Easily readable scale
for precise quantity adjustment down to the kilo (only with the Tauri 8)

Working width
up to 36 metres

Mobile feeder chute with bucket
for comfortable calibration testing and easy drainage

BORDER SPREADING WITH EASE AND COMFORT

In the Tauri, **ECOBORD** spreader vanes are used along borders to ensure that no fertiliser is applied beyond the field boundaries. These form part of the standard equipment in both the Tauri 8

and Tauri 12. The spreader vanes are quick and easy to attach to the spreader discs without any special tools. Your fertiliser spreader can optionally be equipped with the **TRIBORD 2D**

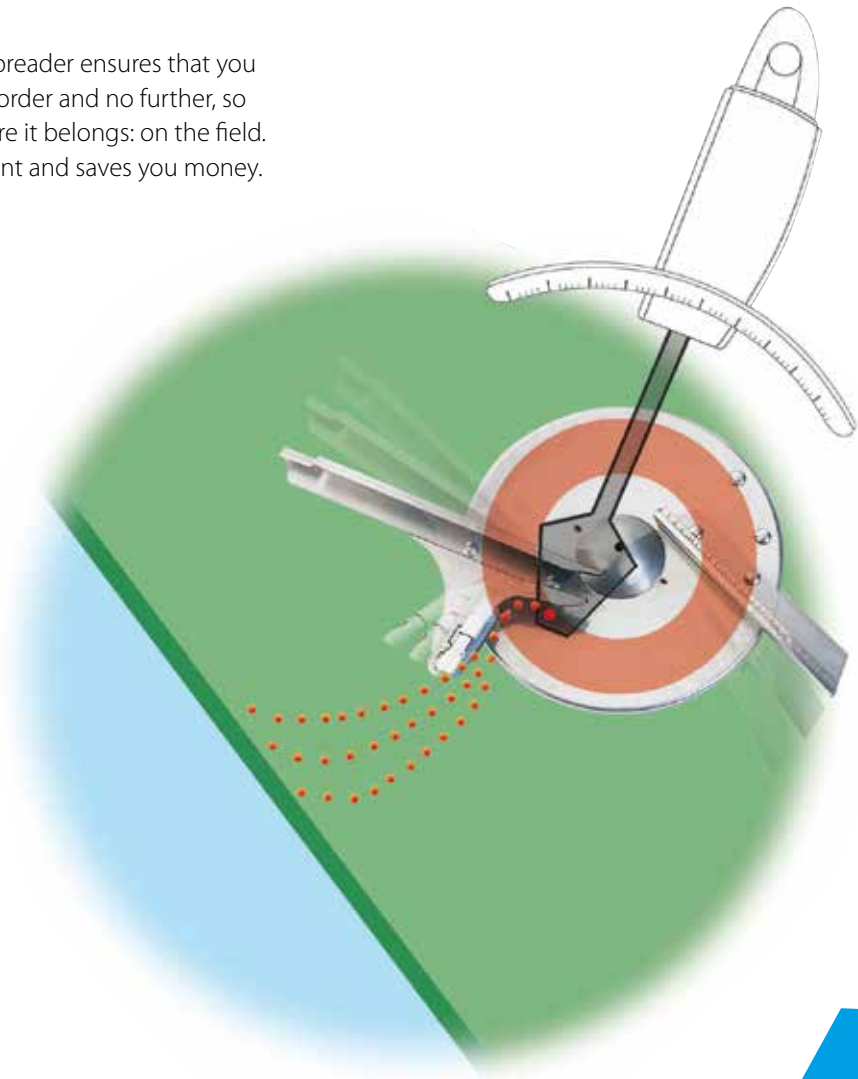
electrical border spreader system on the right-hand side, which allows you to switch between full-width spreading and border spreading from the comfort of the operator cab.



TRIBORD 2D BORDER SPREADER SYSTEM

Precise borders

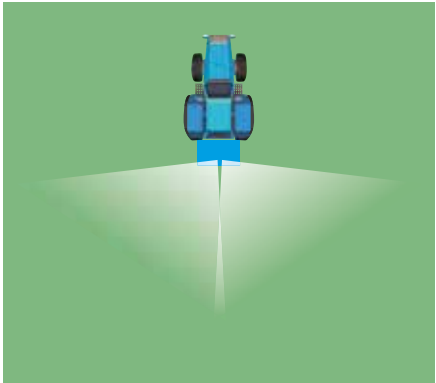
The **TRIBORD 2D** border spreader ensures that you spread exactly to the field border and no further, so that you apply fertiliser where it belongs: on the field. This protects the environment and saves you money.



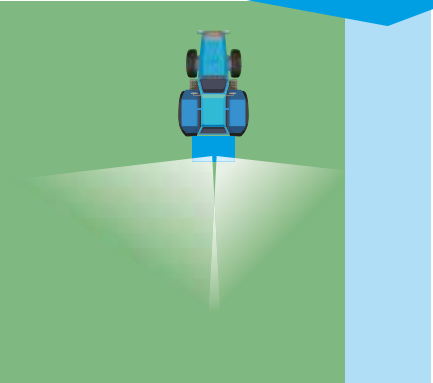
Border spreader acc.
to EN-13739-1

Spreading modes

Our **TRIBORD 2D** border spreading system features two spreading modes: "full width" and "border spreading". The switch between full-width and border spreading is made easily from the comfort of the operator's cab. When switching from full-width to border spreading, the fertiliser drop point on the spreader disc is adjusted so that fertiliser is ejected from a special border spreading vane to shorten the spreading distance as required. This diversion is particularly gentle to granulate and effectively prevents granulate breakage.



Full working width



Border spreading
100% of fertiliser is supplied to the special border spreading vane.

THE TAURI 8 GREATER EFFICACY

The **Tauri 8** impresses with a large loading volume of up to 3,000 litres. Extensions with a width of over 2.40 metres make filling the tank with granulate a breeze, as no fertiliser is lost even when

working with a wide front loader bucket. This implement delivers higher fertilising efficacy through large spreading distances of up to 36 metres in addition to a greater tank capacity.



INTUITIVE OPERATION

The clearly designed remote control for the **Tauri 8** facilitates opening and closing the shutters and switching between full-width and border spreading mode.



THE TAURI 12 SIMPLY PRECISE

With features including a weighing system, width section control and ISOBUS control, the **Tauri 12** ensures highly precise fertiliser application and makes operating this spreader extremely comfortable.



WEIGHING SYSTEM PRECISE DOSING



Automatic weighing
Continuous, automatic weighing during application ensures that fertiliser is applied consistently and evenly, even if the granulate flow properties change.



Fertiliser savings of up to 10%
Often, farmers notice too late that they applied fertiliser at an incorrect rate, but LEMKEN's sophisticated weighing system makes such errors a thing of the past. The system prevents application losses of up to 10%, which can occur due to imprecise application technology.

Consistent application even on slopes
The spreader features an inclination sensor as standard to ensure that even, consistent application rates are maintained even when driving along slopes. The sensor automatically adjusts for measurement errors resulting from uneven weight shifts during work.



How does the weighing system work?
The weighing sensor with inclination detection measures the weight reduction caused by fertiliser outflow. The job computer aggregates this parameter with the distance travelled and the set working width so that the application rate can be calculated precisely. The current tank fill level is displayed directly in the cab to ensure you have all the information you need at a glance.

GPS-CONTROLLED SECTION CONTROL

All good things come in sixes

In the Tauri 12, width sections are implemented automatically via the adjustment of the application quantity. The shutters can be opened and closed in four stages. The amount dispensed is then either 0% when the shutter is closed, 33% when it is in position 2, 66% when it is in position 3, or 100% of the application rate when the shutters are fully open. As a result, there are six width sections available.



EASE OF OPERATION

Optimal preparation

Whether you use one of the LEMKEN CCI terminals or any other ISOBUS terminal of your choice – ISOBUS preparation comes as standard. You can therefore simply connect your terminal and start driving.



EVEN GREATER FUNCTIONALITY WITH GENUINE LEMKEN ACCESSORIES

Perfectly fitting tank lid
to keep your fertiliser reliably dry.



Calibration test kit
comprising a feeder chute,
bucket and adjustment shutter.



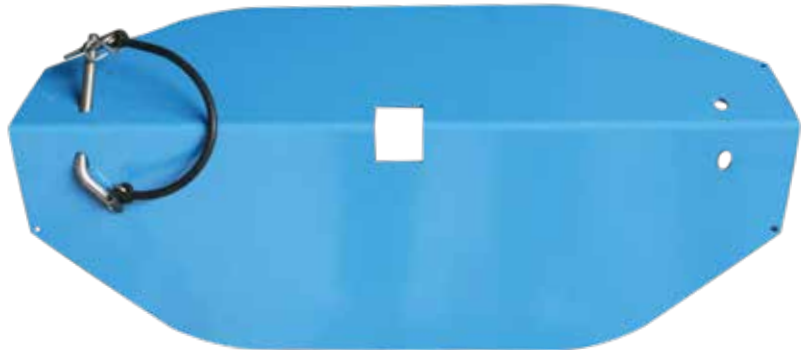
Application rate reduction
to allow small volumes between three and
60 kilograms to be applied.



Stands
for easy mounting and dismounting
without any need for pallets.



Separation plates
for crystalline fertiliser and grass seeds.
These prevent compaction of material for
spreading and ensure seamless applica-
tion.



TAURI 8 TECHNICAL DATA

Working width	12–36 metres			
Max. tank volume	1,500 litres	2,150 litres	2,350 litres	3,000 litres
Overall width	2.48 metres		2.98 metres	
Filling dimensions	1.23 x 2.40 metres		1.23 x 2.80 metres	
Filling height	1.06 metres	1.27 metres	1.29 metres	1.49 metres
Weight (approx.)	305 kg	350 kg	355 kg	400 kg
Load capacity	3,000 kg			

TAURI 12 TECHNICAL DATA

Working width	12–36 metres			
Max. tank volume	1,500 litres	2,150 litres	2,350 litres	3,000 litres
Overall width	2.48 metres		2.98 metres	
Filling dimensions	1.23 x 2.40 metres		1.23 x 2.80 metres	
Filling height	1.06 metres	1.27 metres	1.29 metres	1.49 metres
Weight (approx.)	405 kg	450 kg	455 kg	500 kg
Load capacity	3,000 kg			

POLARIS

OUTSTANDING PRECISION



Larger, wider, more precise – with the **Polaris**, spreading precision is more than just a word, and that at working widths of up to 50 metres. Sophisticated technology such as the patented Epsilon spreader vane system or the GPS-based **ECONOV** section control are in a league of their own.

POLARIS DOES MORE



ISOBUS preparation
for straightforward connection of popular ISOBUS terminals



Weighing unit
for even more precise application



Angle adjustment and display
for precise late top dressing



ECONOV
The GPS-based automatic section control system with 12 true width sections (only with the Polaris 14)

Tank volumes
between 1,900 and 3,000 litres or 2,400 and 4,000 litres (depending on the base tank size)

Two funnel outlets
and the inclined shutter ensure an even flow of fertiliser, even on slopes or when fill levels are low



Patented EPSILON spreader vanes
for guaranteed spreading precision at large working widths

Gentle, oscillating agitator
for an even flow of granulate. Even with a full tank, this system ensures that granulate is not compacted.

Working width
up to 50 metres

Mobile feeder chute
for comfortable calibration testing and easy drainage

EPSILON SPREADER VANES

Where spreading precision is more than just a word.

The **EPSILON** system was developed to ensure that an even distribution is consistently maintained across very large working widths. The patented spreader vane shape delivers an even spreading

pattern, even when working across widths of up to 50 metres. The double vanes, which are arranged in an epsilon shape, allow two fertiliser

streams to be applied one above the other. The resulting four fertiliser streams per spreader disc produce overlap and thus even distribution.



HIGHLIGHTS:

- Developed for large spreading widths of up to 50 metres
- Optimal transverse distribution
- Tolerant to side wind, adjustment and operating errors



ASSISTANCE SYSTEMS

“As much as necessary and as little as possible” – that’s good – or even best – fertilising practice. And our smart assistance systems make this easy to implement. You drive, and the spreader does the rest. Two examples: Your Polaris features a weighing system as stan-

dard, which ensures greater application precision. The Polaris standard equipment also includes the **TRIBORD 3D** border spreader system, which allows you to finely control fertiliser application along borders from the comfort of the operator’s cab. **ECONOV** width section

control, which is part of the standard equipment in the Polaris 14, automatically adjusts both application quantities and working widths based on GPS data. As a result, farming 4.0 is no longer a mere promise, but becomes solid reality on your fields.



WEIGHING SYSTEM



Saves time and fertiliser
The robust weighing frame with integrated pin combines maximum reliability with superior precision.

Automatic weighing
No more endless weighing testing. Continuous, automatic weighing during application ensures that fertiliser is applied consistently and evenly, even if the granulate flow properties change.

Fertiliser savings of up to 10%
Often, farmers notice too late that they applied fertiliser at an incorrect rate, and imprecise application technology can often cause spreading losses of up to 10%. This is where our sophisticated weighing system comes in.

Consistent application even on slopes
The integrated inclination sensor automatically adjusts for measurement errors resulting from uneven weight shifts when working on slopes.

How does the weighing system work?
The weighing sensor with inclination detection measures the weight reduction caused by fertiliser outflow. The job computer aggregates this parameter with the distance travelled and the set working width so that the application rate can be calculated precisely. The current tank fill level is displayed directly in the cab to ensure you have all the information you need at a glance.

TRIBORD 3D

BORDER SPREADER SYSTEM

Precisely to the border

Whether along waterways, paths or adjacent crops – the **TRIBORD 3D** border spreader allows you to apply fertiliser granulate with superior control. Your Polaris is optionally also available with a border spreader system on the left

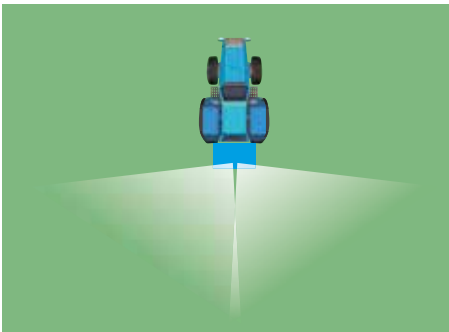
side, allowing you to move around your fields in any direction while spreading precisely even with difficult field contours.

Spreading modes

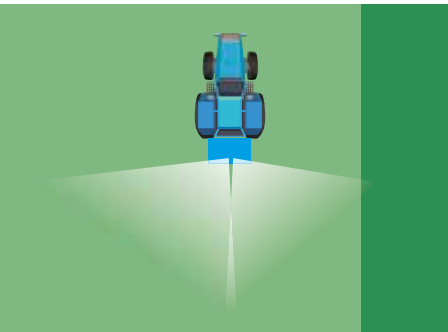
Three different spreading modes can be

set comfortably from the tractor cab. Depending on the selected mode, the special border spreader vane is supplied with more or less fertiliser via an electric actuating cylinder, and the application angle is adjusted accordingly.

Border spreader acc. to EN-13739-1

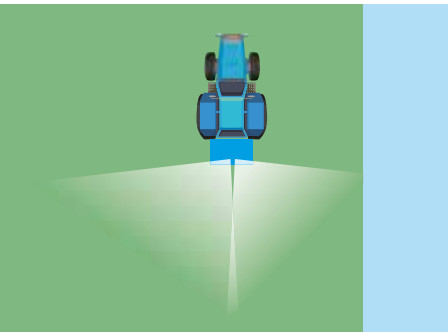


Full working width



Yield-oriented border spreading

100% of the material is spread up to two metres from the field border. Use: along field borders to adjacent crops



Environmental border spreading

100% of fertiliser is supplied to the special border spreading vane. Use: along field borders to waterways or paths

EASE OF OPERATION



Full control with your CCI terminal

The **CCI-1200 ISOBUS** terminal: superior technology, delivered via a sophisticated 12.1" widescreen display with multi-touch operation at smartphone level. The terminal layout is flexible, allowing it to be used in both landscape and portrait mode to ensure that your CCI-1200 always shows all the information you need at a glance. The display can additionally be split to show several applications at the same time. Implement controls can, for example, be displayed together with a map for GPS-based width section control.



The new **CCI-800 ISOBUS** terminal offers the same level of functionalities as the CCI-1200 terminal, but in a more compact size.



Optimal preparation – with the Polaris 12

The Polaris 12 features ISOBUS control as standard, just like its "bigger brother".

ECONOV

AUTOMATIC WIDTH SECTION CONTROL

Our GPS-based **ECONOV** section control system not only takes a lot of strain off operators, but also protects the environment and helps you save operating costs. **ECONOV** switches the 12 cres-

cent-shaped width sections on and off fully automatically at the headland or field edge as soon as there is any risk of unwanted overlaps or application gaps. **ECONOV** thus ensures that there is

neither over-fertilisation nor under-fertilisation in any field sections. This also minimises the risk of lodging in the crops, and the more efficient use of materials supports savings of at least 6%.

PRECISE DISTRIBUTION ACROSS 12 SECTIONS

Individual width sections can be switched on or off both from the outside towards the centre, and from the centre towards the outside. This technology, which is unique on the market, ensures supremely effective application.

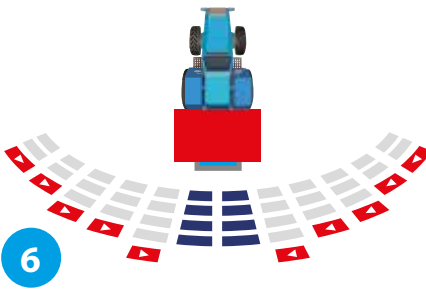
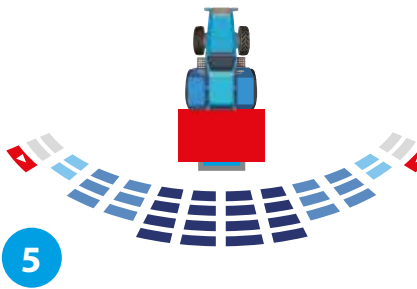
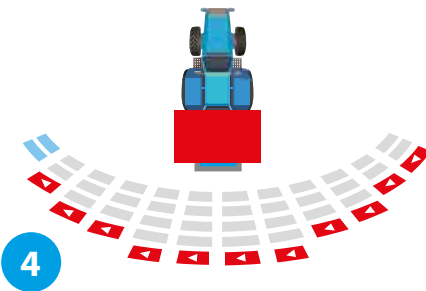
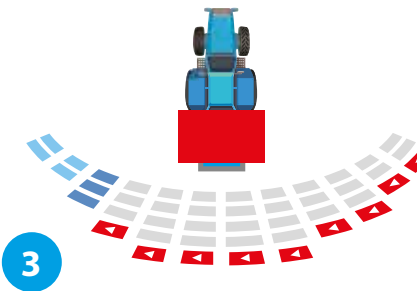
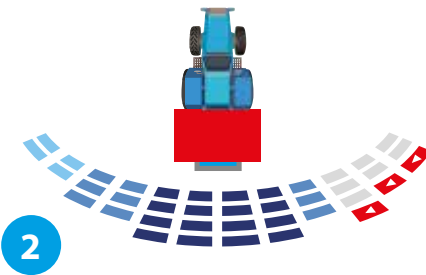
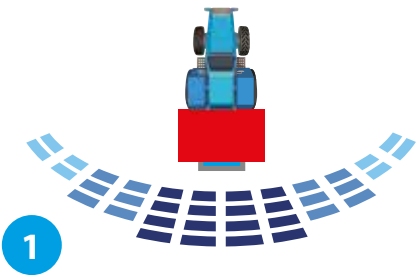
ECONOV

From the outside towards the centre, and from the centre towards outside!



HIGHLIGHTS:

- Fully automatic system for reduced operator loads
- Fertiliser savings of at least 6%
- Even fertiliser distribution
- Width section-specific fertilisation



1 **ECONOV** with **ISOBUS** switches 12 width sections independently of the working width (here with full working width and 12 open width sections).

2 As the working width gets smaller, e.g. during the last pass, width sections are automatically closed in keeping with the width that still needs to be spread (here: 3 closed width sections on the right-hand side).

3 The width sections on the right-hand side are closed, and those on the left-hand side are gradually closed from the centre towards the outside.

4 Towards the end of spreading work in wedge-shaped fields, only one width section on the very outside remains open.

5 When the machine reaches a straight headland, the width sections are gradually closed from the outside towards the centre to reflect the actual, CRESCENT-SHAPED spreading pattern.

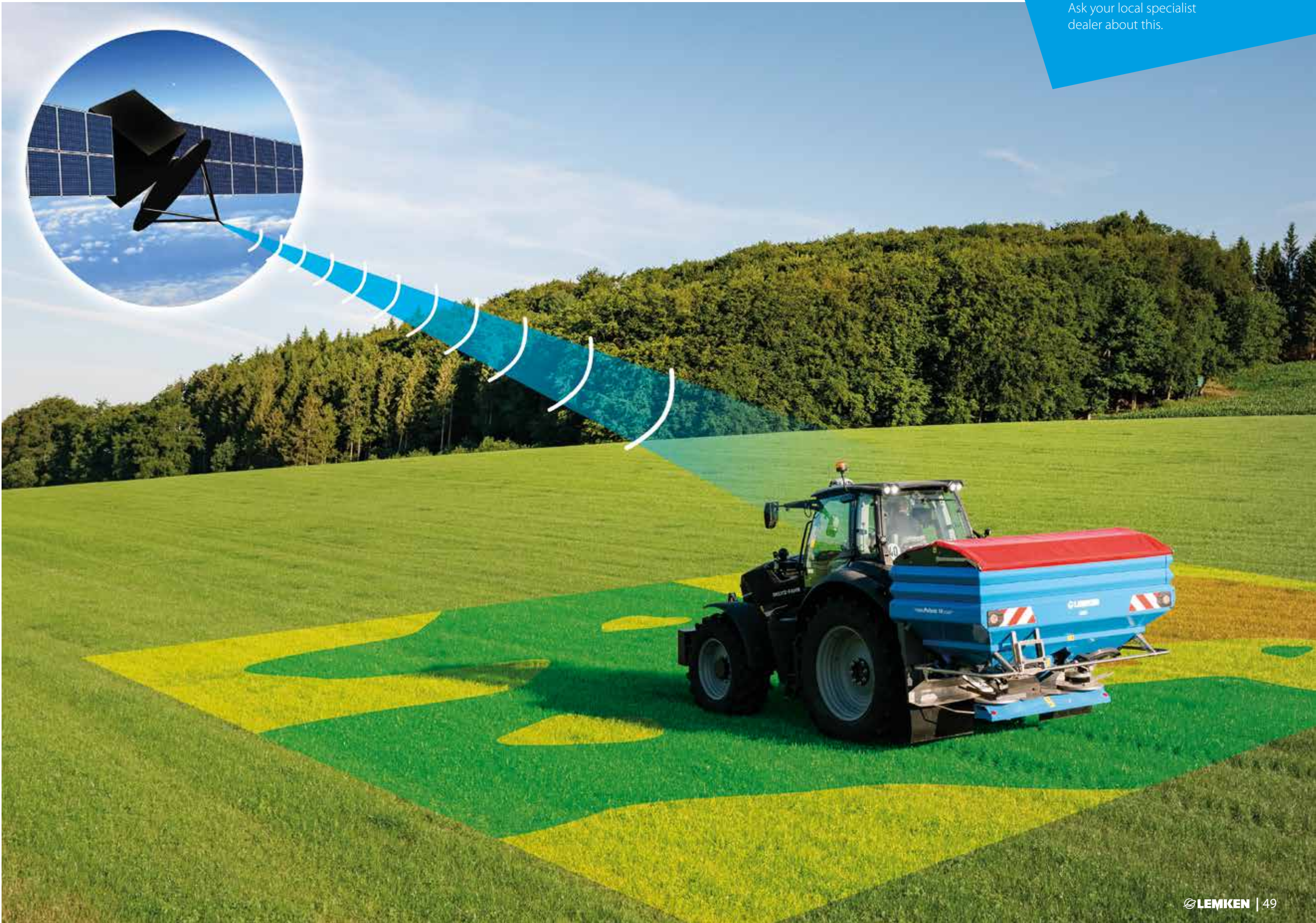
6 On straight headlands, only the two width sections in the centre remain open before all sections are closed. This ensures maximum precision when spreading in a crescent pattern.

PRECISION FARMING WITH ECONOV

Precise.
More precise.
ECONOV.

With our innovative **ECONOV**, precision farming becomes reality. The application quantity can be adjusted independently on both sides, as the left and right gates are operated separately. Combined with a DGPS signal and an **ISOBUS** TaskController GEO, application maps can be implemented with outstanding precision. Different application rates can be implemented for the right and left of the spreader. That's what we call needs-based fertilisation.

Compatible with
numerous map systems!
Ask your local specialist
dealer about this.



EVEN GREATER FUNCTIONALITY WITH GENUINE LEMKEN ACCESSORIES



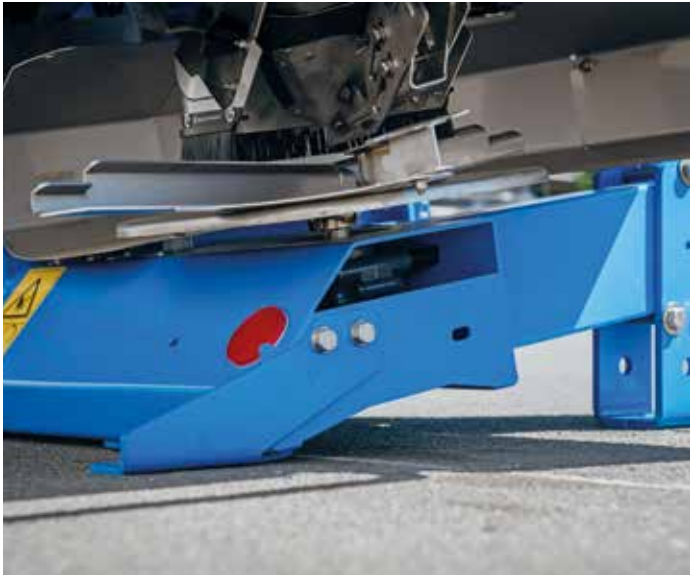
Hydraulic drive
for constant disc speeds even on slopes



Roller tarp
available in a mechanical or hydraulic version



Calibration test kit
comprising a feeder chute, bucket and adjustment shutter



Stands
for easy mounting and dismounting without any need for pallets.

**Hydraulically lowerable
border deflector**
for spreading across half working widths



Folding step
for comfortable tank inspection









POLARIS 12 TECHNICAL DATA

Working width	12–44 m		
Max. tank volume	1,900 l	2,500 l	3,000 l
Overall width	2.70 m		2.98 m
Filling dimensions	1.17 x 2.31 metres		1.17 x 2.81 metres
Filling height	1.23 m	1.41 m	1.52 m
Weight (approx.)	540 kg	557 kg	585 kg
Load capacity	3,000 kg		

POLARIS 14 TECHNICAL DATA

	Working width 12–44 m			Working width 12–50 m		
Max. tank volume	1,900 l	2,500 l	3,000 l	2,400 l	3,200 l	4,000 l
Overall width	2.70 m		2.98 m	2.98 m		
Filling dimensions	1.17 x 2.31 metres		1.17 x 2.81 metres	1.32 x 2.81 metres		
Filling height	1.23 m	1.41 m	1.52 m	1.26 m	1.44 m	1.62 m
Weight (approx.)	540 kg	557 kg	585 kg	670 kg	705 kg	730 kg
Load capacity	3,000 kg			4,000 kg		

MODEL COMPARISON

	Model	Max. spreading width in m	Max. tank size in l	ISOBUS	Weighing unit	Working width adjustment	Quantity adjustment	Section control	Border spreading	Precision farming with application maps
	SPICA 8	18 / 24	900 / 2100	not available	not available	manual	manual	–	Via ECOBORD spreader vane (optional): TRIBORD 2D	–
	TAURI 8	36	3000	not available	not available	manual	manual	–	Via ECOBORD spreader vane (optional): TRIBORD 2D	–
	TAURI 12	36	3000	optional	yes	manual	automatic, speed-dependent	6 width sections by regulating the application quantity	Via ECOBORD spreader vane (optional): TRIBORD 2D	✓
	POLARIS 12	44	3000	optional	yes	manual	automatic, speed-dependent	2 width sections by regulating the application quantity	TRIBORD 3D	✓
	POLARIS 14	44	3000	standard	yes	automatic, via ECONOV	automatic, speed-dependent	ECONOV 12 width sections	TRIBORD 3D	✓
	POLARIS 14	50	4000	standard	yes	automatic, via ECONOV	automatic, speed-dependent	ECONOV 12 width sections	TRIBORD 3D	✓

SPREADING **SUCCESS!**





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