

PRESS RELEASE

BERGMANN: New and further development of the manure and universal spreaders

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BERGMANN stands for innovative spreader technology and superior distribution accuracy. The spreader technology and associated control systems are being continually developed further. Recently, development focussed on the **V-Spread** wide spreader unit, optimisation of the distribution accuracy and the connectivity of the hardware to the manufacture-independent **agrirouter** data exchange platform.

Wide spreading also with low-bed universal spreaders

At the Agritechnica 2019, BERGMANN presented the unique, patented **V-Spread** wide spreader unit with a material-dependent working width of up to 36 m and an ideal spread pattern for both the twin-axle universal spreaders of the TSW 5210 and TSW 6240 series and the three-axle TSW 7340 S universal spreader. From the 2022 season, the **V-Spread** will now also be available for the TSW 2140 E low-bed universal spreader. The effective combination of the V-shaped spreader disk arrangement transversely to the driving direction and an increased spreader disk diameter makes for a more even material distribution over the disks and therefore a perfect distribution on the field.

Advantages of **V-Spread** over standard spreaders:

- Greater working widths at top spreading quality
- Fewer passes per area and therefore less soil compaction
- Use of tram lines also possible at more than 24 m
- Increased throughput
- Reduced spreader wear through fewer passes

V-Spread requires the tilling roller cardan drive. This ensures convenient and low-maintenance operation and is much quieter than a chain drive, making the driver's work easier.

BERGMANN is the only manufacturer to offer the cardan tilling roller drive, complete with all its benefits, from the smallest to the largest universal spreader (8 to 34 t permissible gross weight).



Image: The new, patented **V-Spread** wide spreader unit on the TSW 2140 E low-bed universal spreader.



Image: The TSW 2140 E low-bed universal spreader with **V-Spread** in action, spreading spent mushroom compost.

Video TSW 2140 E with **V-Spread**:

<https://youtu.be/G2DJUq37jrE>

Video comparison between a standard spreading unit and the wide spreader unit **V-Spread**:

<https://youtu.be/IQPMQWPhd5o>

Special topic page **V-Spread**:

<https://www.bergmann-goldenstedt.de/en/products/product-range/universal-spreaders/v-spread/>

Exact distribution quantities

BERGMANN is presenting its new, optional **ExaRate** weighing compensation system for the next season. **ExaRate** allows an even more exact fertiliser distribution than the proven weighing system.

Integrated in the ISOBUS software, **ExaRate** continually monitors the weight reduction during spreading, compares it to the specified distribution quantity (t/ha) and continually adjusts the actual distribution quantity to the specified distribution quantity. The result: exact distribution under many conditions – a feature demanded by users especially for expensive and sensitive materials, such as lime, dry poultry manure and sewage sludge. This makes the organic fertiliser go even further, supplying the soil with just the right amount of nutrients for a higher crop yield. Naturally, the BERGMANN control concept also allows Variable Rate Control (VRC) – the section-specific cultivation using application cards.



Image: **ExaRate** allows exact distribution of all types of farm fertiliser at superior accuracy through continuous weighing during the unloading process.

Innovations on the spreader unit

BERGMANN is starting the new season with a small pilot series of their revised lower tailgate for the TSW 5210 S/W series of universal spreaders and higher series models. Although in the standard version, the adjustment will still be done manually, there will now be a single, central adjustment spindle rather than the two threaded spindles at the sides. A convenient hydraulic adjustment option from the driver's seat will also be available. In addition, the shape of the spread pattern limiter has been optimised to allow even more exact spreading at headlands. The shape of the spread pattern limiter is based on the design of the V-Spread wide spreader unit.



Image: The new lower tailgate adjustment system: here, the hydraulic adjustment is shown in combination with the **V-Spread** wide spreader unit.



Image: The new shape of the spread pattern limiter makes for even more exact spreading at headlands.

Easy data exchange

Since 2020, BERGMANN is a partner in the agrirouter consortium and therefore “ready for **agrirouter**”. **Agrirouter** is a neutral, generic web-based platform for data exchange between machines and agricultural software of different makes.

All BERGMANN vehicles are ISOBUS-compatible. If they feature the optional ISOBUS function as well as a CCI 800,

CCI 1200 or other ISOBUS- and **agrirouter**-compatible terminal, they can conveniently transmit machine, GPS and job data in ISO XML format to the desired end points via terminal and **agrirouter**. With **agrirouter**, the user can specify what data will be transmitted to various agricultural software systems, such as a Farm Management Information System (FIMS).



Image: The manure and universal spreaders from the M/TSW 2120 series are ready for **agrirouter**.

Europe-wide approval

All spreaders from the M/TSW 2120 series are fully certified with complete **EU type approval** according to EU Regulation 167/2013 as standard. Especially when reselling within the EU, type approval is an advantage, as it removes the need for individual national approvals. The CoC (Certificate of Conformity) papers are supplied with each vehicle.

Ludwig Bergmann GmbH is a medium sized family-run business in its third generation and has been successfully manufacturing agricultural machinery and vehicles for over 125 years. It is one of the major manufacturers and providers of customised technology for professional farming operations and farm contractors.

The combination of long-standing experience and contemporary, innovative technology is one of its greatest strengths. Constant focus on

the needs and expectations of customers, adapting to changing technical requirements, the continuous development and improvement of products and a keen "feel" for customer requirements have made BERGMANN a reliable worldwide farming partner.

With its wide range of products, BERGMANN offers efficient and practical solutions that include **manure spreaders, universal spreaders, loader wagons, forage transport trailers, body swap systems, grain transfer trailers, beet transfer trailers and bodies for self-propelled vehicles.**

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We would be grateful for a sample copy of the published article.