

The weed harrow **Thulit**



Resource conservation in agriculture is a holistic approach that takes into account environmental, social and economic aspects to preserve the environment for future generations. With increasing demands for sustainable and environmentally friendly agriculture, reducing the use of chemical crop care products is becoming increasingly important. For some farms this is the first step into organic farming, for others it is a reason to look at integrated crop care.

The common goal is to combine a wide range of measures to maintain soil fertility and safeguard yields. Effective and gentle weed management is essential for this purpose. In addition to measures such as appropriate crop rotation, mechanical burying, uprooting or shallow cutting of weeds can be effective in preventing weed growth.

With expertise and the right technology, mechanical weed control can be efficiently integrated into farming operations, conserving resources and making an important contribution to sustainable and future-proof agriculture. The **LEMKEN Thulit** weed harrow provides you with optimum support and makes weed management a **success factor in your arable farming**.





Every detail a highlight

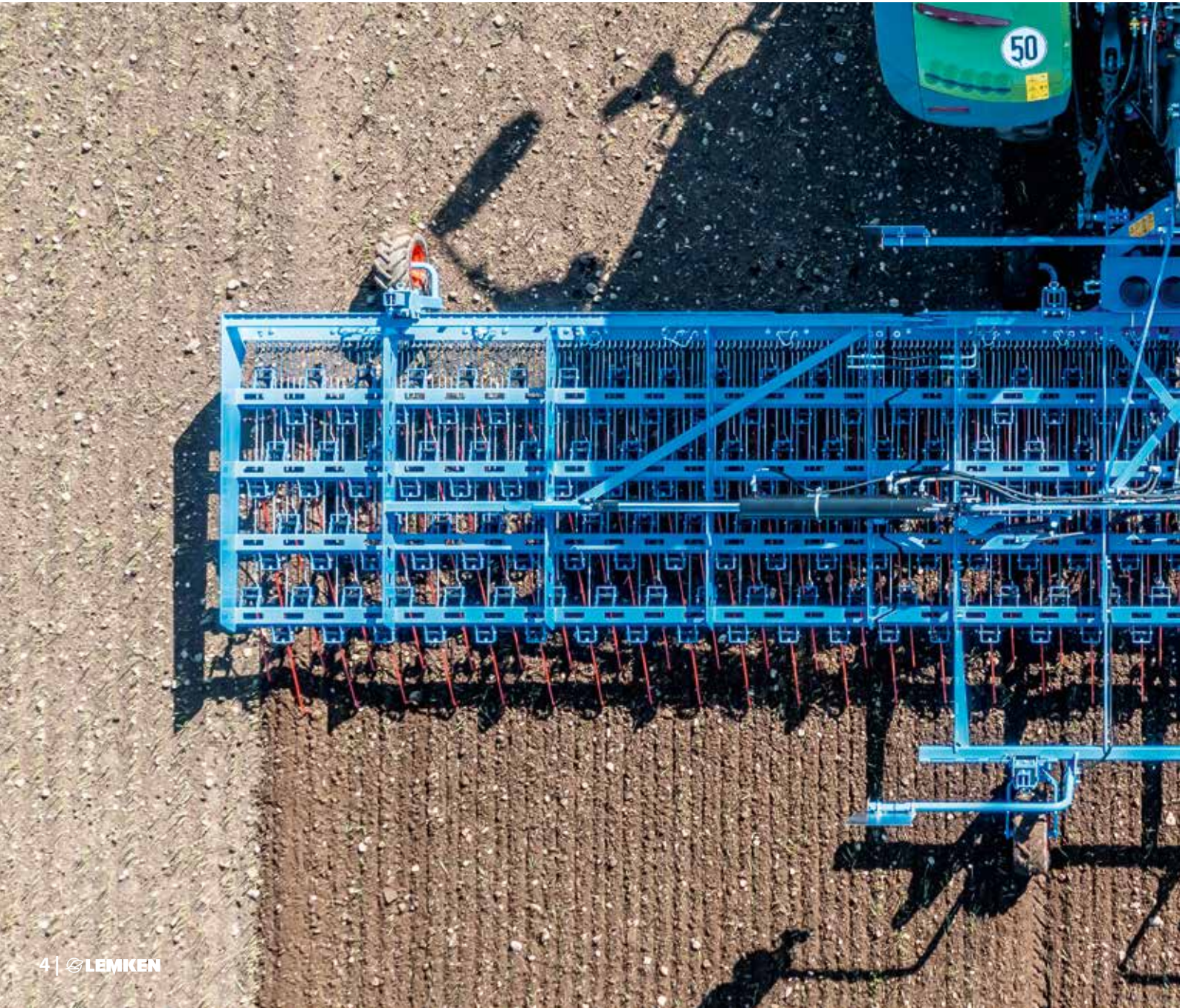
Frame design

The unique frame design with 4 bars and 8 rows of tines ensures an **exceptionally stable frame**. With a reduced number of bars, the beam profiles can be designed for superior stability, while also keeping the **total weight low**.

Tine arrangement

The Thulit weed harrow works **without blockage even with large amounts of organic matter**.

To achieve this, the tines are arranged asymmetrically with a unique line spacing of 31.25 mm. The optimised ratio of this line spacing to the 575 mm tine length ensures maximum effectiveness in weed control.



Tine geometry

The Thulit uses robust 8-mm diameter tines to transfer force to the soil. This is essential to ensure that the tines have sufficient **lateral stability** to remove weeds reliably, even in dry working conditions and with crusted soils.

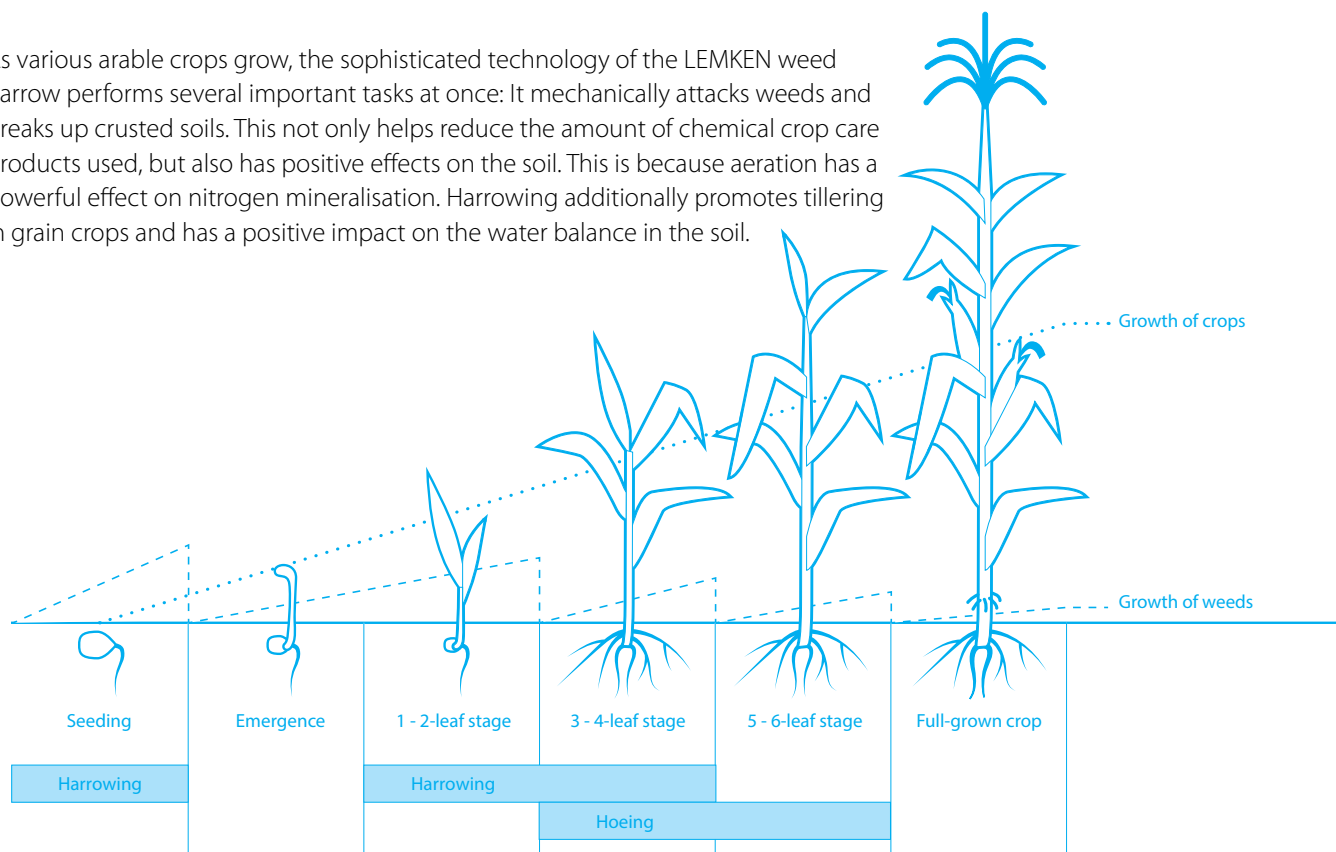
Tine pressure

The adjustment options for the tine pressure range from 100 g to a maximum contact force of 5,000 g per tine. Thanks to the flexible OptiTine hydraulic system, the individual tines always work with **exactly the same tine pressure** in every working situation.



Looks spick and span – and that's what it is!

As various arable crops grow, the sophisticated technology of the LEMKEN weed harrow performs several important tasks at once: It mechanically attacks weeds and breaks up crusted soils. This not only helps reduce the amount of chemical crop care products used, but also has positive effects on the soil. This is because aeration has a powerful effect on nitrogen mineralisation. Harrowing additionally promotes tillering in grain crops and has a positive impact on the water balance in the soil.



The Thulit weed harrow **extends the time window for mechanical weed control** and comes into its own where hoeing technology reaches its limits. When used in combination, weed harrows and hoeing machines help to achieve **weed-free crops** without using chemical crop care products.

OptiTine hydraulic tine pressure adjustment

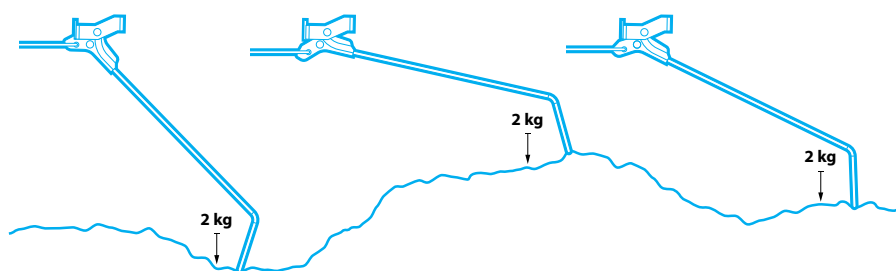
The tine pressure can be infinitely adjusted from the tractor cab, even while driving. The adjustment options for the tine pressure range from gentle harrowing (100 g) to a maximum contact force of 5,000 g per tine. The indirect loading of the harrow tines ensures **constant pressure with any tine position or angle**, both on level surfaces and when working in ridge crops.





Each tine an individual

The tine pressure is infinitely adjustable via a hydraulic system. To ensure that each tine can be controlled separately, the tines are connected to a ram and combined in cylinder bars with 5 to 16 rams. These form a completely closed, sealed and double-acting system, which means that the pressure is the same everywhere and the rams can work in both directions. Both the nickel-plated cylinder track and the hard chrome-plated piston rod are designed for **maximum service life**.



Unique multi-tool

The tine is the tool on the harrow that contributes most to achieving optimum results. The Thulit tines have a 118° curvature and a diagonal length of 575 mm to ensure constant tine pressure regardless of the tine position. With a diameter of 8 mm and a wear range of 120 mm, the tines are very robust and have sufficient lateral stability even in dry working conditions and with crusted soils. The result: **excellent performance and directional stability** without lateral swerving.



Quick-change system

The tines of the Thulit weed harrow can be changed without spending valuable time dismantling parts. Tines are changed quickly and easily in three steps:

- Remove the connecting rod without tools
- Loosen the screw
- Remove the harrow tine

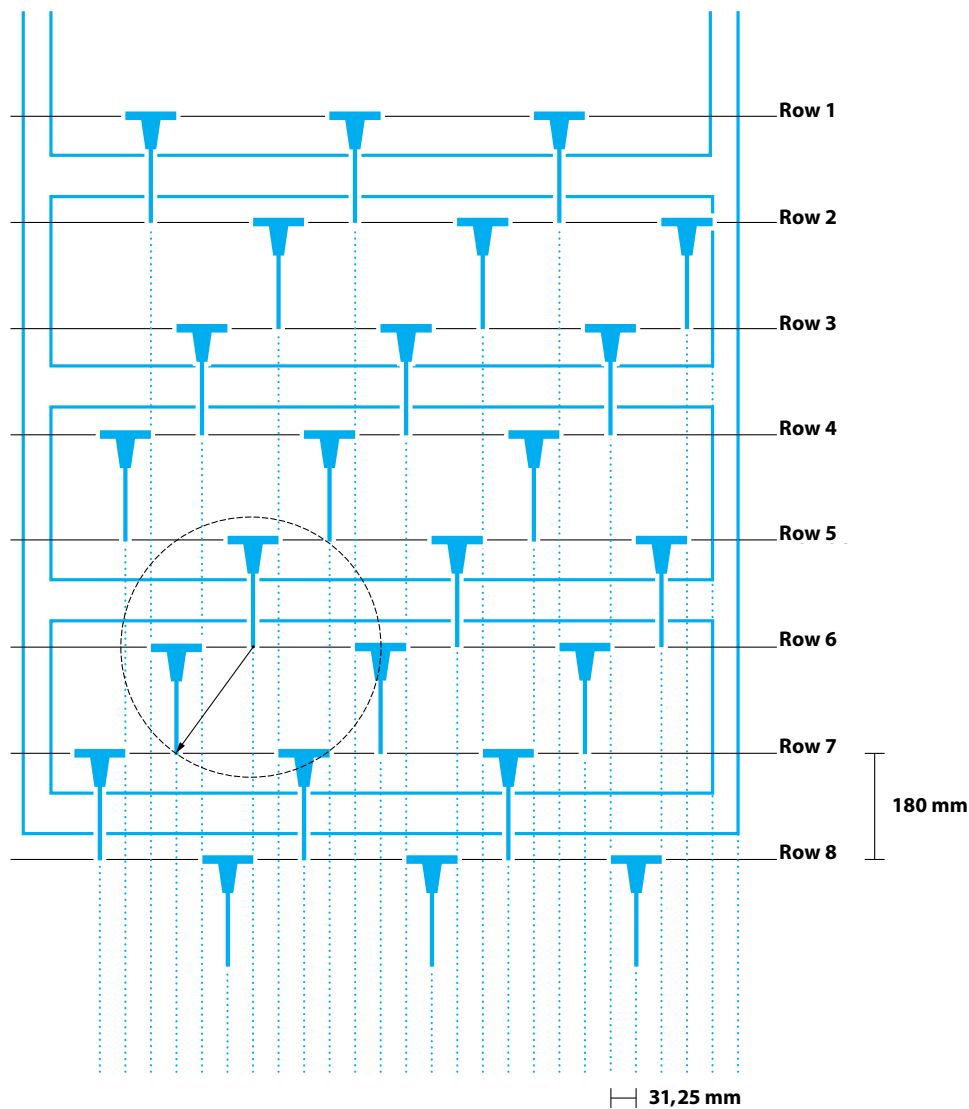
Perfectly framed

A clear view

For an **even clearer view of your work**, the LEMKEN Thulit features a four-bar frame design instead of eight bars. Thanks to the OptiTine hydraulic tine pressure adjustment, the driver's field of vision is not obstructed by springs. With fewer bars and moving parts in the harrow frame, the tines are clearly visible, and work results can be checked earlier and better.

The right spacing for the right result

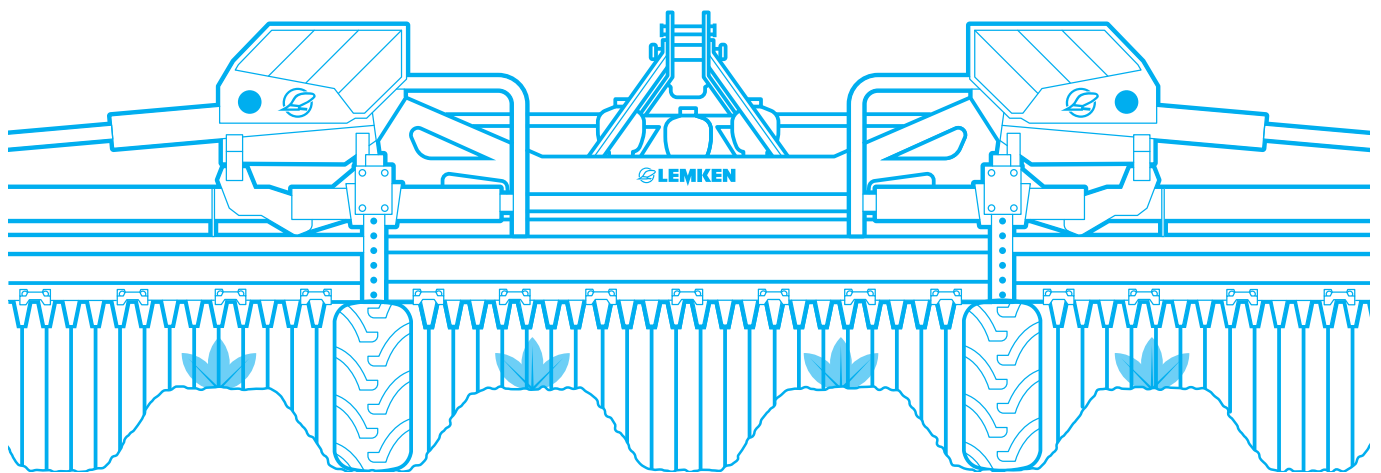
The line spacing of the Thulit weed harrow is optimised for the 12.5 cm row spacing commonly used for drilling. The asymmetric tine arrangement provides up to 15% greater clearance between the tines than conventional harrows – without compromising results.





As light as possible and as heavy as necessary

Thanks to its well thought-out design and wide tine spacing, the LEMKEN Thulit requires only 32 tines per metre of working width, making this weed harrow **as light as possible** yet **extremely stable**. At the same time, it is heavy enough to make the most of its tine pressure of up to 5,000 g to produce outstanding results.



Great clearance

The LEMKEN Thulit weed harrow also boasts a large clearance. With a generous underframe clearance of 450 mm, which is unique on the market, and the absence of springs and other sharp-edged components under the frame, the Thulit does the ground work for harrowing ridge crops and crops in late growth stages. This extends the time window for mechanical weed control.

An extra edge in technology



Folded tight

The harrow tines can be folded in easily via a toggle switch in the cab, making bent tines on the headland or trapped foreign objects a thing of the past. When the tines are in the folded transport position, the implement also complies with the permissible transport width for safe and **compact road transport**.



A fitting fold

For **working with a smaller working width** and for **avoiding obstacles**, the weed harrow can optionally be folded on one side only. The 9 and 12-metre versions additionally offer the option of raising the implement into a V-position for turning. To do this, the outer folding segments are angled in slightly. This protects the crop from damage caused by the tines. The process for V-folding or single-sided folding is triggered via the optional control box. If this option is used, one spool valve is required on the tractor instead of three.



The following support wheel options are available:

- Thulit MF/600:
 - Front: 2 or 4 support wheels
 - Rear: 0 or 2 support wheels
- Thulit MF/900:
 - Front: 2 or 4 support wheels
 - Rear: 0, 2 or 4 support wheels
- Thulit MF/1200:
 - Front: 6 support wheels
 - Rear: 2, 4 or 6 support wheels

Optional support wheels

The LEMKEN Thulit is available with a wide range of support wheel options for perfect results. The working height of the support wheels can be adjusted in 8 steps on the profile toolbar, allowing the aggressiveness of the tines and the clearance height to be adjusted. The profile toolbar also makes it easy to adjust the track width of the support wheels to match the row spacing of the crops.

Specifications

Thulit	MF/600	MF/900	MF/1200
Working width [m]	6.19	9.19	12.19
Transport width [m]	2.95	2.95	2.95
Transport height [m]	2.20	3.68	3.30
Weight [kg]	1,100	1,440	2,100
Number of front support wheels	2/4	2/4	6
Number of rear support wheels	0/2	0/2/4	2/4/6
Tyre size	16/6.5-8	16/6.5-8	16/6.5-8
Tine pressure [g]	100 - 5,000	100 - 5,000	100 - 5,000
Tine diameter [mm]	8	8	8
Tine spacing [mm]	31.25	31.25	31.25
Bar spacing [mm]	180	180	180
Underframe clearance [mm]	450	450	450
Power requirement (min.) [kW/hp]	33/45	51/70	66/90
DA spool valves (min)	1 + LS*	1 + LS*	1 + LS*
Unpressurised return line (max. 5 bar)	1	1	1
Lower link implement attachment	Cat. 2/3N/3	Cat. 2/3N/3	Cat. 3N/3
Upper link implement attachment	Cat. 2/3N/3	Cat. 2/3N/3	Cat. 3N/3

* LS= Load Sensing

A WELL-ROUNDED SOLUTION.

At LEMKEN, we don't think in terms of isolated work steps – instead we look at the full cycle including all facets of agricultural engineering. The result is a range of comprehensive solutions that intermesh perfectly. For you, this means: high-quality, future-oriented, efficient technology for an agriculture that is both profitable and sustainable.



LEMKEN 11/23, 17517833/en. All data, dimensions and weights are subject to ongoing further technical development and are therefore not binding. Weights given are always based on standard features. All information given is subject to change without notice.

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