

Müthing



NEW PRODUCTS AND INNOVATIONS IN 2024

MÜTHING - MORE THAN MULCHING

CoverSeeder 600



NEW IN 2024



CARE - MULCHING - SOWING THE VARIABLE SOLUTION FOR MODERN CROP PRODUCTION

Driving power: from 150 HP

Working widths: 6.0 m

- Combination of crop residue management with simultaneous catch crop sowing.
- Allows sowing of catch crops without prior soil preparation.
- 500-litre seed tank minimises filling times and maximises work rate.
- The seeder and sowing bar are integrated into the mulcher as modules and can be easily dismantled.
- Special baffle plates in the sowing bar ensure uniform lateral distribution on the cleared soil surface.
- 6 m working width, hydraulically folding to 3 m transport width
- Versatile applications, including year-round mulching and care work.
- Increases machine utilisation and reduces costs for farmers and contractors.

Müthing

Vario



The MU-Vario[®] system from M^üthing

M^üthing

Vario

For maximum working convenience and flexibility

The **MU-Vario[®] System** allows you to adjust the flail mower to your conditions thanks to its optimal intake and housing form, variable PTO shaft speeds, an infinitely variable Vario cutting bar and the swivelling support roller.

1. The **adjustable cutting bar** allows infinitely variable adjustment of the shredding rate to the respective requirement.

- Optimal mulching result even in wet conditions, on tramlines, with low plant mass content or materials that are difficult to shred.

- Compacted crop residues can be reached due to the strong suction effect
- The shredding can be individually optimized to each crop, irrespective of whether you are mulching maize stover or catch crops.

Higher vehicle speeds and higher surface outputs with constant quality are possible thanks to the infinitely variable shredding rate.

2. Shark fin:

- Uniform shredding of all particles and homogenous mulch

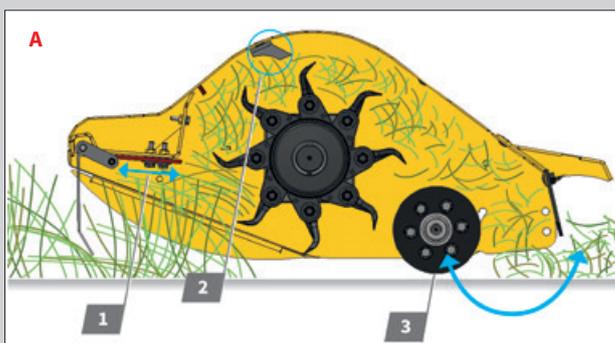
- Long material is fed back to the rotor for an additional cut, whereas material that is already shredded passes through.
- Self-cleaning and replaceable

3. The **swivelling support roller** turns the flail mower into a machine that can be used all year round. The mulch can be deposited either in front of or behind the support roller (available as of the MU-M series).

4. The **sturdy support roller scraper rail** (optional) ensures trouble-free mulching work even in extremely wet conditions.

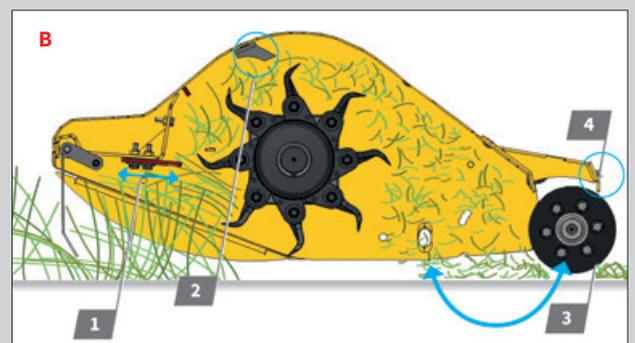
A Support roller swivelled to front:

- Loose depositing of mulch behind the support roller
- Ideal for the care of pastures and verges
- Fast decomposition of the mulch
- Exact depth control



B Support roller swivelled to rear:

- Depositing of mulch in front of support roller
- Pressing of mulch by support roller
- Optimal soil contact ensures prompt germination of volunteer seeds
- Lower dust impact with front attachment



e-Mulcher concept



NEW IN 2024

INNOVATIVE e-MULCHER CONCEPT FOR AUTONOMOUS CROP RESIDUE MANAGEMENT

3A

Developed in collaboration with AgXceed

- The e-Mulcher offers all the advantages of Müthling's MU-Vario® system, such as adjustment of the shredding rate and adjustment of the support roller.
- The e-Mulcher communicates with the AgBot via ISOBUS and according to the principles of 3A (ADVANCED AUTOMATION & AUTONOMY).
- Automatic power monitoring, temperature monitoring, slip and rpm measurement, vibration monitoring and data acquisition for implement monitoring.
- The implement monitoring system constantly checks whether the work process is proceeding within the specified parameters.
- Sensors detect overloads as well as excessive vibrations on the imple-



ment and thus prevent damage to the machine.

- If an overload of the implement or strong vibrations due to contact with foreign objects occur, the machine is stopped and the operator is informed.

- The long-term goal is to carry out the work completely autonomously, with intelligent monitoring and automatic adjustment to the conditions on site.

THE VARIABLE SOLUTION IN MODERN CROP PRODUCTION



THE COVERSEEDER COMPONENTS IN DETAIL

1 Rotor: Cuts off the stubble above the soil surface, picking up and processing of all of the organic material from the soil surface by using the suction effect.

2 Variably adjustable shear bar: Adjustment of the shredding rate, a high level of suction is created in combination with the flail rotor.

3 Sowing bar: Applies the seed to the soil surface, which has been cleared of crop residues. Using a broadcast sowing method, seeds and soil surface will be covered with the organic material behind the sowing bar.

4 Support roller: Rolls over the seeds to ensure soil contact and good germination conditions, also controls working depth of the implement.

“ The innovative, water-saving solution ”

Due to the dry location we farm in and the hot, low-rainfall summers of the past two years, I am forced to look for innovative, water-saving solutions for our arable farm operations.

With the CoverSeeder, I have the option of planting a catch crop before my summer crop even in dry and hot conditions after the harvest. This is made possible by the lack of soil preparation and retention of the protective mulch layer.

I have already had a very good experience with the process in its second year and look forward to using the CoverSeeder as a permanent feature in my farming in the future. This is a real gain for us!

Stephan Gehrendes, Farm Manager of von Bismarck Ackerbau GbR - Thuringia



HIPPODUNG CombiMulcher

SYSTEMATIC PASTURE CARE - CAN ALSO BE USED AS A SOLO IMPLEMENT FOR MULCHING

Driving power: 35 - 130 HP

Working widths: 1.60 | 2.20 | 2.80 m

- Combines pasture care and the application of biostimulants for controlling decomposition.
- The applied biostimulants support the decomposition and conversion processes of organic material.
- Promotes growth and vitality of the grassland.
- Reduction of luxuriant vegetation.
- Dung piles are uniformly distributed and the risk of parasite transmission is minimised.
- The application rate can be easily regulated by adjusting the operating pressure and driving speed.
- The tank volumes vary depending on the working width of the implement (220/440 l).
- The concept can also be used in arable farming applications.



The **main components** are a spray bar (1) at the front, the tank with pump (2), the double spiral rotor (3) with shear bar (4), the support roller (5) and a spray bar (6) at the rear.



NEW IN 2024



MU-M/S PLUS Vario



THE VARIO SURFACE/SIDE MULCHER WITH EXTRA FLEXIBILITY AND WORKING WIDTH

Muthing
Vario

Driving power: up to 220 HP in solo use
up to 280 HP in combination
with a front mulcher

Working widths: 2.20 m | 2.50 m | 2.80 m

- First-class mulching result, high working comfort and robustness.
- Wide range of applications from ditch and embankment maintenance to surface work.
- Easy switching between ditch and surface mode.
- Surface mode allows lifting/lowering at the headland with only one control unit.
- Weight transfer system as standard.
- Maximum working widths of up to 5.50 m in combination with a front mulcher.
- Plateau function enables side working at different height levels.
- The hydraulic side shift function offers a large adjustment range of over 1.00 m.
- An automatic hydraulic collision protection device (forward and reverse) ensures operational safety.
- Integrated MU-Vario® system for adjusting the rate of shredding.



Our research and innovation partners



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Technology
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world of biodiversity

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