

A full range of agricultural innovations at the Agritechnica 2019

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At this year's Agritechnica in Hanover, carbide and tool specialist Boehlerit will present a range of product innovations and enhancements, such as the second generation of the carbide cultivator share, the reinforced version of the carbide cultivator sweep and two new products – carbide cultivator blades and harrow tines.

Back in 2017, Boehlerit set a new quality standard for soil cultivation with its carbide cultivator share. The next generation of this innovative product provides a range of benefits that increase all aspects of efficiency and productivity. For instance, the second generation comes with a slotted hole in addition to the two drill holes in the intake area, which means that it may be mounted on all commonly used machines. The newly developed twist protection, a raised element in the intake area, may be used with the original guide plates of all standard cultivators. The patented, specially designed carbide system not only increases the service life by at least 5 times, but also reduces the loss of width, ensuring optimal working quality throughout the lifespan of the product. This makes it easy to predict the end of the tool life and rules out share breakage. The second generation of the carbide cultivator share is available in widths of 50 mm or 80 mm.

The carbide cultivator sweep for stubble working and weed control was launched in spring 2019 and is now available in an optimised, reinforced version. The new, slightly lowered position of the tip enables better penetration of the shares into the soil and the specially designed, narrow carbide segments retain their cutting power throughout the lifespan of the product. In addition, they provide outstanding operational quality and a high level of wear protection, retaining the operating width right until the end of the tool life. Carbide side elements are placed in such a way as to form a constant cutting line and absorb impacts during the working of the soil. The innovative beaver tooth effect has also been optimised, making the self-sharpening properties of the carbide cutting edge even more efficient. A complete novelty is the welded-on reinforcement in the intake area, which helps to prevent share breakage. The second generation of the carbide cultivator sweep is available in widths of 200 mm, 260 mm or 300 mm.

Weeds stand no chance against the brand-new Boehlerit carbide cultivator blades and harrow tines

When it comes to mechanical weed control, the Boehlerit engineers from Kapfenberg have once again harnessed the power of self-sharpening, serrated carbide blades to come up with a completely innovative cultivator blade, which will be presented at the Agritechnica in Hanover for the first time. The new tool has a lower tip that makes digging easier, retains its cutting width until the end of its lifespan and also offers the possibility of welding different intake elements onto the base unit. The serrated carbide segments in combination with the beaver tooth effect minimise the risk of weeds not being cut or slipping past the cultivator blade – a major benefit of this product. The carbide cultivator blade is available in widths of 100 – 200 mm and in 20 mm gradations.

Press information

Boehlerit also has the perfect solution for weed control in the upper layers of the soil while protecting crops at the same time. The new carbide harrow tines in a half-shell design offer excellent cultivation quality, a permanently sharp cutting edge until the end of the tool life as well as a longer lifespan of up to 10 times that of the standard steel version.

Those who always keep an eye on costs and look for the most economical and productive solution will make the right choice with the Boehlerit agricultural technology portfolio.

Press information

The company

Boehlerit, a family business that is part of the Brucklacher group (Leitz, Bilz and Boehlerit) and headquartered in the Austrian town of Kapfenberg, sets global standards with carbides and tools for the processing of metal, wood, plastics and composites. With cutting materials, semi-finished products, precision tools and tool systems for milling, turning, drilling and forming, Boehlerit ensures process safety and efficiency on a global scale. The company's extensive product portfolio includes highly specialised tools for the machining of crankshafts as well as for the mining industry, for bar peeling, tube and sheet metal processing and heavy-duty machining. The Boehlerit product range also features carbides for construction components and wear protection. When it comes to coating technology, Boehlerit occupies a unique position worldwide, ranging from the first-ever nano-CVD bonding layer to the hardest diamond layer worldwide. With its many years' experience in metallurgy, coating technology and state-of-the-art press technology, Boehlerit is a highly competent development partner for toolmakers.

Editorial queries

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Images:

Fig. 1:



Images:

Fig. 2: Cultivator share (2nd Generation)

