

BEDNAR

PRESS RELEASE

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BEDNAR INTRODUCES NOVELTIES IN THE PRODUCT PORTFOLIO AND INNOVATIONS OF SELECTED MACHINES FOR THE UPCOMING YEAR.

BEDNAR is bringing two novelties in the field of soil cultivation and seeding for 2021. They are the models of EFECTA CE and CADDY CD. Our established machines for deep soil cultivation – the TERRALAND TN chisel plough and the STRIP-MASTER EN cultivator have also been innovated and modified.

The development of machines continuously moves forward and the requirements of farmers also change. Therefore, we need to listen to our customers and develop new machines based on mutual cooperation and testing in various conditions.

A new definition of a wide seed drill – EFECTA CE

The wide EFECTA CE seed drill with a working width of 12 metres is the main novelty by BEDNAR for 2021. EFECTA CE expands the BEDNAR's portfolio of wide machines, offering customers, who are large businesses, **an integrated technological lien that starts with crop residue management, through soil cultivation and preparation, and ends with the final seeding.** All of that under one brand with a strong technological and technical support of the top BEDNAR sales network.



*“The main reason for the development of this machine were the requirements of farmers who manage large areas and who are often not able to establish crops as planned. Such agricultural businesses use a time-tested system for soil cultivation which they do not want to change. So, they only have a limited time period for seeding. The **BEDNAR EFECTA CE 12000 seed drill** is bringing new trends in the field of high daily output, up to 200 ha/day, with a low fuel consumption, high working speed and a small*

requirement for the pulling output of the tractor at mere 300 HP,” Ing. Jan Bednář, Ph.D., describes the development of EFECTA CE.

Design of the EFECTA CE Seed Drill

The EFECTA CE seed drill has a robust frame with a double-chamber pressurised tank for better distribution and accuracy of seed or fertiliser dosage. The tank with a capacity of 6,000 l is divided in the ratio of 62:38. The tank can be used only for seeds, or in combination with fertiliser application in a single pass. The additional equipment of the machine with the BEDNAR ALFA-DRILL seeding unit provides for maximum versatility and new agronomic possibilities.

Advantages of the machine

Similarly to the OMEGA seed drills, we put emphasis on precision seed placement at a same depth along the entire width when developing this machine. **The drill coulter sections are mounted on the side frames using a parallelogram and each drill coulter uses its own parallelogram. The combination of such mounting provides unparalleled terrain tracing and maintaining a constant depth of seeding along the entire working width.** Customers can choose between a row spacing of 12.5 or 16.7 centimetres.

When compared with competitive machines, the EFECTA CE seed drill is a highly versatile machine suitable for **establishing crop in systems of conventional and minimisation soil cultivation**. It can be used for seeding in difficult conditions, for example, when establishing winter crops into a deep tilled corn stubble field in combination with TURBO coulters. The large offer of additional equipment for the machine provides a high variability.



*“When compared with competitive machines of similar design, EFECTA CE is quite different and is much more versatile. The front working part before the seed coulters can be equipped with the **Crushbar**, the highly popular **PROFI coulters** or **TURBO coulters**. If additional inter-row fertilisation is required, there are **FERTI coulters**. No other manufacturer offers such a high variability in this width range,”* Ing. Jan Bednář, Ph.D., talks about the equipment options.

The machine is controlled with its own, brand-new software. The EFACTA CE seed drill meets all the conditions in the field of modern technologies.

Versatile CADDY CD carrier for aggregation of mounted and semi-mounted machines

BEDNAR developed the versatile CADDY CD tool carrier for aggregation of machines with tractors that do not have the three-point hitch or a sufficient lifting capacity of their rear hitch. Primarily, it is used for aggregation with TERRALAND TN or TERRASTRIP ZN. It is also possible to use mounted or semi-mounted machines by other manufacturers of agricultural technology. CADDY CD has a lifting force of up to 5,000 kg.



CADDY CD is equipped with wide transport wheels for safe transportation of the machine on roads. This equipment, together with the front weight, contributes to a good weight distribution and provides higher stability during transport.

Passive chisels with a negative tine angle for TERRALAND TN machines

The TERRALAND TN chisel ploughs are very popular products among the BEDNAR soil cultivation machines. The machines are popular with customers thanks to their high durability, simple design and perfect job done in a single pass.



The novelty for 2021 is the possibility to equip the machines with the ZERO-MIX tines, in addition to the standard ACTIVE-MIX tines. A simple exchange of tines **enables us to turn a versatile chisel plough into a professional cultivator** suitable for removing hardened soil layers and aerating the soil profile without active mixing.

The negative angle of the individual tines prevents bringing out stones and dead particles to the soil surface. The ZERO-MIX tines have chisels with a width of 60 mm and the options of wingless version, version with 250 mm wings or the so-called mole.

The TERRALAND TN machines can now also be equipped with **support wheels for keeping the working depth in the front part better and with a hydraulically folding side screen** for higher comfort of the operator. It is recommended to use the **heavy steel CUTPACK** for final soil surface consolidation together with the ZERO-MIX tines.

STRIP-MASTER EN row cultivator now with hydraulic protection

The strip-till technology, primarily designed for planting corn, rapeseed, sunflower, soya as well as sugar beet, is a huge trend in soil cultivation. The advantages of strip-till soil cultivation include a faster warming of the processed soil strips, their aeration, reduced erosion, better water absorption when compared with direct seeding and lower energy demands for the pulling vehicle output. The greatest advantages of this technology rest in the reduction of soil erosion and better soil biodiversity.



The STRIP-MASTER EN cultivator can be used for strip aeration up to a depth of 25 centimetres. We recommend aggregating the machine with **FERTI-BOX FB_F** or **FERTI-CART FC**, **COMBO SYSTEM CS** for fertiliser application at two different layers. It is also possible to apply liquid fertilisers or manure and digestate.

For better work, durability of the machine and also higher comfort of the operator, **the machines are now also equipped with hydraulic protection of the aeration knives mounted on the individual cultivation units.**

Another important improvement of the machine is the option to change the inter-row spacing within the interval from 45 to 75 cm. Smaller inter-row spacing offers higher plant material throughput thanks to the offset units.

Meet the BEDNAR novelties for 2021

You can see the individual novelties and innovations of the BEDNAR machine portfolio during the following year at local demonstration events, exhibitions, or you can contact your authorised BEDNAR sales representative right away.

It's a pleasure to farm with us
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BEDNAR is a progressive manufacturer of agricultural technology

The Company specialises in machines for soil cultivation, seeding, fertilisation and mulching. The close cooperation of the Company with agricultural businesses makes it one of the most innovative manufacturers of agricultural machines, developing and producing machines with high added value for the end user. More information about BEDNAR is available at <https://www.bednar.com/>.

Press release information

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