

BEDNAR

PRESS RELEASE

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News and Novelties by BEDNAR Introduced at the Occasion of the 2019 AGRITECHNICA International Fair

At the occasion of the Hannover Fair, BEDNAR presents novelties and expanded model series. Some of the new products will be available for direct sale on the day of the commencement of the Fair and others are presented as concepts that will be introduced to the market as soon as possible after thorough testing.

SWIFTERDISC XE_PROFI – Wide Disc Cultivator

The SWIFTERDISC XE_PROFI disc cultivator was first introduced at the SIMA international fair in 2019. The presented concept of this wide machine is now coming to the stores after challenging tests.



A great advantage of the machine is the simple and comfortable electrohydraulic control of all the functions from the tractor cabin (the EH-Set), which is especially comfortable for the operator. The machine is connected to the hydraulic Load Sensing tractor output using only three hoses. The machine control is compatible with the ISOBUS standard.

No more thinking about the process of unfolding or folding the wide BEDNAR machines! These processes are fully automated! The operator can fold or unfold the machine by pressing a single button of the tractor's ISOBUS terminal. All the machine parameters can be easily set using the terminal, even when the machine is working. The control system substantially facilitates setting the machine correctly.



The EH-Set electrohydraulic machine control via the ISOBUS standard



SWIFTERDISC XE 12 400 PROFI is ideal for work in CTF systems (Controlled Traffic Farming)

The wide SWIFTERDISC XE_PROFI disc cultivator also supports the ISOBUS Task-Controller. It enables automatic adjustment of the working depth according to a prepared map. At the same time, it is possible to save the actual working depth of the machine at every point of the cultivated field.

Thanks to the implemented ISOBUS Section-Control function, it is possible to lift and lower the machine automatically at headland. The machine terminal also displays the statistics of worked hours, cultivated area and machine output.

The direct guiding of the machine in the tractor axis is provided by the transport axle mounted before the working discs and by the X-shaped arrangement of the working discs. SWIFTERDISC XE_PROFI can be equipped with discs with a diameter of 520 or 560 mm and a width of 6 mm. The disc protection is provided by a maintenance-free system with rubber segments. The machine can be equipped with a front cutting roller or hydraulically-controlled levelling bar along the entire width of the machine. Tato design concept expands the area of use of the machine.

The design of SWIFTERDISC XE_PROFI allows for turning the machine at headland on the transport axle, double rotating wheels and the rear double rollers. This system reduces the stress in the frames and joints, thus increasing the service life of the machine. The machine design provides for an easy, safe and fast transport on roads within EU rules.

ACTROS RO – Combined Cultivator

The new ACTROS RO combined cultivator by BEDNAR fills in the current gap in the BEDNAR machine portfolio. It is designed for cutting and processing large quantities of crop residue and for mixing them with loosened soil in a single pass, or just for disrupting the compacted layers.



The advantage of the machine is two rows of discs with a diameter of 660 x 6 mm for ideal cutting of large quantities of crop residue and two rows of shares with vertical non-stop protection. They loosen the soil profile intensely to a depth of 35 cm. The integrated axle reduces the turning radius and lets the machine work without the rear compacting packers.

The customer can choose the type of the working parts. The machine can be equipped with Active-Mix tines that mix crop residue with the loosened soil. Furthermore, it can be equipped with Zero-Mix tines. These only disrupt the compacted soil profile without the effect of mixing with crop residue. Except for the share type, the customer can also choose the type of rear compacting packers according to their soil conditions.



ACTROS RO has optional rear packers according to the type of soil conditions



The combined cultivator with two rows of discs, 660 x 6 mm, and two rows of shares with massive spring protection

This BEDNAR novelty will be introduced to the market with a working width of 3 and 4 metres in the 2020 summer season.

FENIX FO – Versatile Cultivator

The new semi-mounted versatile FENIX FO cultivator is designed as a 3row machine with an integrated axle. The axle arrangement significantly reduces the turning radius at headland. Another advantage is the last row of shares arranged in a single line, which provides even distribution of material before the packer. Thanks to this design, the machine meets the requirements of the most demanding customers.



The machine reinforces the tractor traction thanks to the hydraulic cylinder with an accumulator on the tow bar, which makes it possible to aggregate FENIX with tractors in the lower output class, while still achieving excellent quality of work with mixing.

Furthermore, the machine is equipped with front double, hydraulically-controlled wheels that provide the side frame stability. According to the machine configuration, there are 3 or 4 rows of shares with constant geometry for each tine mounted on individual horizontal non-stop protection. These tines penetrate soil easily and also work well in heavy soils.

FENIX FO is equipped with levelling deflectors or rotating discs behind the shares. In combination with the levelling bar mounted in front of the rear packer, they perfectly level the surface of the field before its reverse compaction. The customer can select packers according to their soil type.



The integrated axle provides for fast turning at headland



3 or 4 rows of shares with constant geometry easily work even in extreme conditions

The versatile FENIX FO cultivator is suitable for seedbed cultivation in fields with larger quantities of crop residue, or for stubble cultivation starting at 5 cm and loosening of up to 35 cm. The machine manages all of that even in moister conditions. Initially, it will be manufactured in two working widths, 5 and 6 meters, and the first machines will be available to order for the 2020 spring season.

COMBO SYSTEM CS Versatile Storage Hopper for Crop Production

BEDNAR is introducing COMBO SYSTEM CS, a versatile pressurized double-chamber storage hopper that can be used for various operations in crop production. It is especially suitable for aggregation with the TERRALAND TN and TERRASTRIP ZN chisel ploughs, or with the CORSA CN seeding bar, designed for fast crop establishment.



COMBO SYSTEM CS is equipped with a double-chamber pressurized hopper with the total capacity of 5000 l, in the 2:3 ratio. The seeds/fertilizer are distributed by two stainless dispensers with electric drives that allow changing the dispensing size according to the agronomic need. The batching is controlled via an ISOBUS system. The machine also has a standardized three-point hitch, category IV, for linking to various types of mounted machines, or a towing lug for linking to towed machines. The vehicle is also equipped with large flotation tyres that reduce pressure on the soil. This is especially important when establishing crops.



Three-point hitch, category IV, for easy aggregation of the COMBO SYSTEM CS pressurized hopper with other BEDNAR machines



Double-chamber pressurized hopper aggregated with the CORSA CN seeding bar

TERRASTRIP ZN 8R/75 – A New Chisel Plough for Deep Strip Tillage

TERRASTRIP ZN 8R/75 is a mounted folding chisel plough with a working width of 6 m, designed for intense soil cultivation in strips where row crops with an inter-row spacing of 70 and 75 cm are grown (corn, sunflower, ...). The new chisel plough accompanies TERRASTIP ZN 8R/45 designed for strip tillage for growing row crops with an inter-row spacing of 45 and 50 cm (sugar beet...).



The mounted TERRASTRIP ZN chisel plough has a frame made of high-strength Alform steel and two rows of chisels with wings. The customer can choose between Zero-mix chisels, for undercutting without mixing soil with crop residue, or Active-mix chisels for mixing soil with crop residue. The chisels are hydraulically protected. The customer can now also select the rear packers for strip-till cultivation according to the soil conditions on their farm.



TERRASTRIP ZN 8R/75 is designed for effective and objective soil cultivation that reduces the costs while increasing the yield of the individual row crops



The chisel plough for deep strip-till cultivation aggregated with the FERTI-CASRT FC fertilizer hopper

It is recommended to supplement the loosening operation of the TERRASTRIP ZN 8R/75 chisel plough with profile fertilization directly in the root zone of the plants. This can be achieved by aggregating the chisel plough with the COMBI SYSTEM CS storage hopper, FERTI-CART FC, or the front fertilizer hoppers: FERTI-BOX FB_F and FERTI-BOX FB_F DUAL.

The TERRASTRIP method has gone through several seasonal agronomic tests in leading farming businesses and it can be recommended as a technology promoting yield. At the same time, it is cost-effective and has a positive effect on the condition of the soil environment and on the soil ability to cope with the consequences of the climate change. It can be used in the corn and sugar beet growing technology, as well as for winter oilseed rape, and BEDNAR is developing a double-row seeding technology with a spacing of 25 cm over loosened and fertilized strips cultivated by TERRASTRIP 8R/75.

CORSA CN – Seeding Bar

The mounted CORSA CN seeding bar is a new seeding machine by BEDNAR. It can be aggregated with the COMBO SYSTEM CS storage hopper, or directly in the three-point tractor hitch. When aggregated directly with the tractor, the bar has to be connected with the front seed hopper, such as FERTI-BOX FB_F or FERTI-BOX FB_F DUAL.



The seeding bar consists of double-disc drill coulters with an inter-row spacing of 12.5 or 16.5 cm, mounted on a parallelogram. The machine is also equipped with front double supporting wheels that provide stability of the side frames. The optional equipment also includes side markers and pre-emergent markers.



Secí lišta CORSA CN je určena pro agregaci s dvoukomorovým zásobníkem na hnojivo COMBO SYSTEM CS



Možnost hydraulického nastavení přítlaku i pracovní hloubky secích botek

It is possible to deactivate half of the width of the CORSA CN seeding bar, and there is also an option to plant seeds in every other row at 25 cm or 33 cm. This mounted seeding bar will be offered in three working widths, 6 m, 8 m and 9 m, starting with the 2020 season.

Expansion of the OMEGA OO_FL Series

OMEGA OO 4000 FL is a lighter version of the versatile seed drill for seeding various types of crops and for applying fertilizers with a large variety of the seeding amount and a working width of 4 m. BEDNAR is thus expanding the working widths of the OMEGA OO_FL seed drills in response to the high demand of smaller farming businesses for a variable seed drill which, in addition to the standard possibilities, also allows for establishing various combinations of crops in a single pass.



The OMEGA OO_FL seed drills with a width of 4 m are equipped with a hopper with a capacity of 4000 l and ratio of 50:50. The pressurized hoppers ensure precise batching, even of large quantities of fertilizers.

The seed drill can be equipped with the ALFA seeding unit, or it can be connected to the FERTIBOX fertilizer hoppers, both front and rear version.

A great advantage of the seed drill is that it follows the tractor tracks thanks to the X-shaped layout of the disc sections. The discs have a diameter of 460 mm, which increases the circumferential speed, having a positive effect on the quality of seedbed cultivation. The machine is also equipped with double-disc fertilizing coulters, a rubber-tyred packer, and double-disc drill coulters mounted on a parallelogram (the PSP system). The machine can be also equipped with a wide array of optional equipment, such as the Frontpack or the front Crushbar.



The new OMEGA OO_FL seed drill can place the fertilizer in the inter-row between seeds, or together with the seeds



Precise seed placement at an identical depth along the entire machine width thanks to the PSP system

It is comfortable to calibrate and empty the hoppers as the outlets are accessible at the back of the machine. The control of the seed drill is simple and intuitive. The batching system is fully electronically controlled and it works on the basis of the ISOBUS system, similarly to the previous versions of the OMEGA seed drills.

The innovated electronic control system now allows the operator to easily control the machine settings from the tractor cabin (disc depth, front leveller, rear accessories, depth of seeding, drill coulter pressure). Also, the software now supports the Section-Control function (up to two sections) and Multi-Control (variable batching from up to two dispensers). The inter-row spacing of the drill coulters can be set at 12.5 cm or 16.5 cm.

The OMEGA OO_FL seed drill is suitable for use in both conventional (tillage) and minimum tillage systems. The fertilizer can be applied in the inter-row between seeds, on the surface, or together with the seeds. Thanks to the PSP system, the double-disc drill coulters place seeds at an identical depth along the entire width of the machine and perfectly trace the terrain unevenness, both in the longitudinal and transverse directions.

The seeds can be placed at various depth in a single pass thanks to the easy adjustment, which is used when establishing crops with an auxiliary crop, or when seeding various combinations of crops for forage growing.

BEDNAR is a progressive manufacturer of agricultural technology

The Company specializes in machines for soil cultivation, seeding, fertilization and mulching. The close connection to agricultural practice makes the Company one of the most innovative manufacturers of agricultural machines, developing and producing machines with a high added value for the final user. You can find more information about BEDNAR FMT at <https://www.bednar-machinery.com/>.

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