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The new generation of the ROW-MASTER RN_PROFI cultivators is a response to the current demands of farmers

Inter-row crop cultivation is on the rise again. It does not only concern standard cultivation of inter-rows but the aim is to perform several operations in one pass and thus save costs. Farmers demand an increasingly higher variability in the equipment and, above all, maximal precision without a negative effect on the crop during work. The new ROW-MASTER RN_PROFI model series currently meets all the demands of farmers.

“The ROW-MASTER RN and RN_S cultivators have been selling very well. We can see that weeding is popular again and it is a trend confirmed, for example, by many leading growers of sugar beet. Customers have come to like our machines mainly due to their simplicity and easy setting without the need for special tools. We applied our experience in the development of ROW-MASTER RN_PROFI and equipped the machine with all the essentials needed for managing the current trends in inter-row cultivation. Namely, we fitted the machine with the ROW-UNIT CONTROL system,” Jan Bednář, the Sales Director, describes the evolution of the machine.

A New Frame with a Higher Clearance

At first sight, the new ROW-MASTER RN_PROFI model series differs from the previous models in the new main support frame. The main frame is more robust and it is prepared for a high variability of equipment elements. The clearance of the main frame was also increased to the unparalleled 90 centimetres for inter-row crop cultivation, namely corn and sunflower, also in the later stages of their development.

The main carrying frame is seamless along the entire width of the working span for easy setting of the inter-row spacing. The individual cultivation units can be set with inter-row spacing from 45 cm to 80 cm. The RN_PROFI series offers three models with a working span from 4.8 to 9.6 metres.

ROW-UNIT CONTROL System for Maximum Precision

The automatic guidance system is a very popular piece of equipment in inter-row cultivators as it guarantees the movement of the frame without damaging the crop. However, times are changing and as the use of sectional control continues to develop, the requirements for this type of equipment in inter-row cultivators are also increasing.

The ROW-MASTER RN_PROFI model series offers a sectional control system under the name of ROW-UNIT CONTROL. Based on the data from the navigation system, the individual working units are gradually lifted and lowered. The use of the system minimizes places that are not weeded as well as damage to the crop. The height of the lift of the individual cultivation units is 45 centimetres.

A Proven Structural Design

The ROW-MASTER RN_PROFI models include the proven structural design in the form of a parallelogram. Each cultivation unit is mounted to the frame with a clip. The parallelogram traces the terrain and maintains the set working depth of the cultivation units in a precise way.

New Equipment Options, Including Seed Drill Coulters for Establishing Catch Crop

The individual models of the ROW-MASTER RN_PROFI machine can be easily adjusted to inter-row cultivation not only by rearranging the required inter-row spacing, but also thanks to the wide range of optional equipment for the individual cultivation units.

The cultivation units can be equipped with shares, chisels or special half-shares that loosen soil in the inter-row near the crop row without any negative effects. Protective discs or fixed protective screens are used for crop protection. The special equipment in the form of rubber rods is a convenient tool for cultivation units when inter-row cultivation is done in the early growth stage. The rubber rods work in the crop row, pulling out shallow-rooted weeds with their rotary movement.

The ROW-MASTER RN_PROFI cultivator can also be equipped with drill coulters on request for planting catch crop in the inter-rows of the main crop. The catch crop provides the best protection against water and wind erosion. Moreover, it increases the stability of the harvest technology when moisture levels are increased during harvest and it may also positively influence the vegetation of the next crop. The supplementary fertilization set for the application of liquid fertilizer is also available, for example, in combination with the front mounted FERTI-BOX FB_F.

Danish Agro a.m.b.a.

Danish Agro koncernen består af en række agroindustrielle selskaber i ind- og udland. De har alle den overordnede målsætning - i et tæt samspil med kunderne - at medvirke til værdiskabende løsninger på de enkelte bedrifter. Koncernen er beskæftiget inden for salg af foderblandinger, råvare- og vitaminforblandinger, gødning, planteværn, såsæd og energi samt køb af afgrøder fra landbruget. Endvidere forhandler koncernen en række stærke maskinbrands til landbruget samt driver en omfattende kæde af hobby- og fritidsforretninger. Danish Agro Koncernen beskæftiger over 5.000 medarbejdere og vil i 2022 have en omsætning i niveauet 42 mia. kr.

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