

Innovations soil tillage | Catros with pro-Pack and Vogelsang liquid manure distributor

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The cooperation between AMAZONE and Vogelsang has now resulted in a specific SynCult adapter frame to carry their liquid manure distributor on the Catros compact disc harrow.

The direct incorporation of liquid manure during application offers huge benefits regarding the efficiency of nutrients and avoiding environmental harm. So, combining a self-propelled liquid manure tanker with the AMAZONE compact disc harrow makes sure the regulations are fulfilled for the immediate incorporation of liquid manure after application.

As the moving parts on a foldable implement are subject to extreme wear and tear due to the direct effect of the liquid manure, AMAZONE has introduced the pro-Pack for the Catros 5001-2/6001-2. Specific bearing seals and additional lubrication points, which are not necessary during normal operation, considerably increase the service life.

One additional challenge is the space-saving and secure mounting of the liquid manure distributor, mainly because, above all, the side frames of the compact disc harrows have not been designed for the high weight of the distribution system and the filled distribution hoses. In a mutual project, an adapter frame has now been developed which, on the one hand carries the Vogelsang system and is, on the other hand, supporting, in the right places, the Catros design. So, in future, the customers can make elegant use of this joint Vogelsang and AMAZONE technology.

On the galvanised adapter frame, the distributor and the hose routing of the liquid manure system are firmly mounted above the first disc row of the Catros. Special galvanised flange plates on the disc bracket provide a solid fitting and a good positioning of the hoses. The liquid manure is delivered via the front disc row into the cultivated surface left by the discs. With the following second disc row, the organic manure is well mixed in and covered by the soil.

The benefit of this system is its simple module design. No structural intervention on the Catros is required and a clear responsibility for the assemblies exists. AMAZONE sells its Catros with pro-Pack via its distribution outlets, Vogelsang sells the adapter frame as a supplement to their distribution technology via its sales partners. The agricultural machinery dealer or the liquid manure tanker manufacturer then has to mount the components and, if necessary, to carry out any individual matching.

