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■ International Innovation Show:
10-16 November 2019 in Hanover

■ Machinery News

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Rauch

Rauch

HillControl Control System

The HillControl Control System from Rauch is software that improves the distribution accuracy when spreading fertiliser, especially on hilly terrain. It functions in conjunction with an inclination and yaw rate sensor on disc spreaders by changing the point of application, disc speed and dosing quantity. As a result, the spreading distance and direction of the fertiliser pellets during spreading is changed with a con-

trolled adjustment of the point of application, therefore correcting the distortion in the spreading pattern. Especially in extremely hilly terrain, the HillControl Control System considerably improves the distribution accuracy when using two-disc spreaders. Furthermore, over- and under-dosing are also reduced when driving over hilltops or through depressions.

Hall 9, Stand D20

Samo Maschinenbau

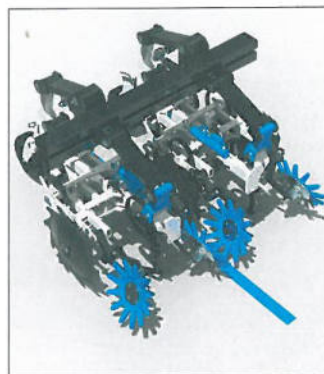
VarioCHOP

The VarioCHOP System is a hoeing implement or hoeing units with a variable processing width that can be conveniently adjusted from the tractor cab. With VarioCHOP, an adjustment to various field conditions, crops, weather events, erosion and stages of growth can be quickly carried out. The system operates with a reaction time of approximately five seconds.

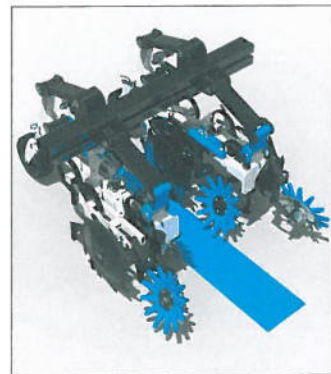
The mechanical adjustment to each individual hoeing unit is driven by one precision hydraulic cylinder that is coupled to a

heavy-duty steering angle sensor. As a result, it is possible from the tractor cab to adjust the optimum hoeing range. This then makes it possible to always achieve the perfect distance to the crop plant from the first to the last hoeing pass.

With this method, passes for mechanical weed control can be clearly optimised, however the great practical benefit particularly lies in the considerable savings of time when adjusting the hoeing implement. Coupling with camera systems already available on the market to provide automatic range adjustment would be another advantage in practice. Hall 13, Stand A52



Samo



Samo

Rostselmash

RSM Night Vision System

Like systems used in the automotive industry, the "RSM Night Vision System" uses not only the visible light, but also part of the near-infrared light spectrum of the silicon-based, and thus cost-effective, camera technology. Unlike costly thermal cameras, the RSM Night Vision System illuminates a larger range. As a further advantage, it is not necessarily mounted on the outside of the machine where it is exposed to dust and debris. The electronic pre-processing feature and the algorithms used by the RMS make the system very sensitive and effective in conditions with very little available light. This high level of sensitivity allows users to use this technology together with the regular tractor lights, where it provides visibility in the range of 250 m up to 1,500 m,

and also allows operators to work at higher forwards speeds. At the same time it helps them to see people and obstacles sooner. The feeds from the main camera,

which is installed in the cab and looks ahead of the machine, are projected onto the front screen, whereas the feeds from the side cameras are displayed on the dis-

play screen. With RSM Night Vision, drivers can "see" obstacles or people in the immediate surroundings of the machine. Hall 9, Stand A31b



Rostselmash