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## Press Release

Voitsberg, November 2020

### **SIGNO 4.0 from BAUER: The control of the future**

Compatible agricultural electronic tool with many advantages in the control area

**With the new SIGNO 4.0, BAUER is taking its agricultural electronics offering to a new level: Significantly larger quantities of data can now be processed, and the tractor and tanker are much more compatible.**

Digitalization has long since made its mark in the slurry area. Previously, however, the electronic control of the machinery struggled with obstacles: many different electronics boxes, diverse connectors and data formats made life difficult for users. A solution has arrived in the form of the cross-company Competence Center ISOBUS (CCI), which is ushering in international standards. The BAUER Group, with its subsidiaries BSA and ECKART, has been a member of this network of providers since the start of the year. Together, the companies are ensuring cooperation in the area of agricultural electronics, making tractors and equipment more compatible.

With ISOBUS, individual hydraulic cylinders or electric motors are no longer controlled individually with levers and switches; instead, a single cable is sufficient to send commands to the device. The job computer then controls the necessary hydraulic valves or starts electric motors. BAUER now presents one successful implementation with the current SIGNO 4.0. The onboard computer is equipped with the newest generation of job computer for especially high processing power. Applications with large data quantities can be reliably realized.

#### **Easier to use – fewer operating errors**

The operating terminals of the SIGNO 4.0 are available as button terminals or touch terminals. New on the button terminal is an additional rotary knob that enables faster inputting of values.

The symbols are intuitively adapted to the suction and spreading technology to minimize operating errors and considerably simplify the use of the complex slurry tanker components.



### **Integrated nutrient analysis**

The nutrient analysis system SIGNO ID was also integrated into the job computer and is an example of a technology that requires the processing of large volumes of data in an extremely short time. With SIGNO ID, the composition of the nutrients can be measured within seconds and the spreading quantity regulated automatically in the field. For example, this allows the vehicle operator to define the desired quantity of nitrogen, and the spreading quantity is adapted accordingly.

The SIGNO 4.0 has also been prepared for future development steps and features, making it a modern and forward-looking modular solution.

Also new at BAUER: the existing comfort control has been completely revised. It will now be marketed under the name SIGNO-Comfort and will be operated via mechanical buttons or toggle levers. The SIGNO-Comfort is inherently prepared for the expansion to SIGNO 4.0, allowing it to be expanded later into an ISOBUS control.

### **The Bauer Group at a Glance**

*Since its foundation in 1930, the BAUER Group - headquarters in Voitsberg, Styria, has been focused on irrigation and slurry management technology. Whilst initially producing wastewater and slurry pumps, the company first became an international player in the sector of irrigation technology in 1947 with the patent-protected Bauer lever lock coupling - named after Rudolf Bauer, the company founder. Today the company is developing rapidly in the biotechnology sector with wastewater treatment & biogas plants and it is focusing on three main sectors: irrigation management, waste water management as well as energy management.*

*BAUER is the Global market leader in irrigation technology: A total of more than 2.5 million hectares are irrigated globally. A major part of sales representing 50% of the total turnover is achieved in the sectors of slurry and environmental waste processing. The BAUER Group exports to about 100 countries of the world. With approx. 650 employees, Bauer generated consolidated net proceeds of*

about 136,7 million Euros in the financial year 2019/20. With an export ratio of 90%, the main markets of the BAUER Group are Germany, France, the CEE countries, China, the USA, Australia and South America. In October 2016 a new plant in Brazil was put into operation.

The BAUER Group currently consists of 17 companies worldwide, including the well-known German labels BSA, Eckart, and FAN.

### **Product Range**

- Various irrigation systems
  - Automated pivot and linear systems, i.e.: Centerstar, Centerliner, Linestar
  - Irrigation machines, i.e.: Rainstar, A3 or ProRain
  - Traditional irrigation, i.e.: pipe systems and solid-set plants
  - Digital control solutions for a smart irrigation and slurry management (Signo 4.0, Smart Rain, Samrt Touch)
- Slurry transportation (slurry tanks)
- Innovative slurry treatment: mixers, pumps, separators, composting and distribution
- Pipes and fittings
- Wastewater treatment and separation technology for the food and paper industry
- Components for Biogas plants
- BRU Bedding Recovery Unit
- Bauer self propelled technology

### **Internet Services**

- Configuration of all machines
- Ordering of all spare parts

**For further information see:** [www.bauer-at.com/en/](http://www.bauer-at.com/en/).