



## PRESS RELEASE

### Trailed disc seed drill for min-till seeding ESPRO 3002, 4002 R, 6002 R, 4002 RC and 6002 RC

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KUHN is upgrading its ESPRO range of min-till seed drills with the launch of the ESPRO 1002 (R/RC) models, combining a pressurized pneumatic distribution system with new OPTISEED metering units for enhanced metering precision.  
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Already recognized for its versatility, the precision of its high-speed seeding units, and low fuel consumption, the ESPRO range is evolving with a new generation. At the heart of this evolution is a redesigned pneumatic system that facilitates the distribution of multiple products, ensures high precision through dedicated cassettes, and maintains excellent seeding quality, even at high speeds.

#### The new range comes in five models:

- Three single-hopper models: ESPRO 3002 (3 m / 2,500 l), ESPRO 4002 R (4 m / 3,500 l), and ESPRO 6002 R (6 m / 3,500 l)
- Two dual-hopper models: ESPRO 4002 RC (4 m / 2 x 2,000 l) et 6002 RC (6 m / 2 x 2,800 l)

#### OPTISEED metering units: Metering precision reaches a new level

With the development of seed mixtures featuring widely varying characteristics and the move towards high work outputs, precise metering has become a key factor in ensuring uniform crop establishment.

Consequently, the new ESPRO 1002 (R/RC) models now feature the new OPTISEED cassette metering units. Combined with a pressurized pneumatic hopper and distribution system, they ensure highly accurate metering—even at high work outputs—while accepting a wide range of seeds and fertilizers.

*For the ESPRO 1002 RC models, these upgrades are particularly significant as they apply to multiple products. Individually metered products can be mixed within the same seed furrow ("single shot") or delivered separately at two different depths ("double shot"). These establishment modes accommodate practices such as localized fertilization, companion cropping, and cover crop seeding, while delivering enhanced metering precision and mixing consistency thanks to the OPTISEED metering units and the pressurization of the entire distribution system.*

#### Half-width shut-off as standard: to minimize overseeding, even on oddly shaped plots

Thanks to the two metering units per hopper and either two or four distribution heads (depending on the model), these new ESPRO seed drills come with a standard half-width shut-off feature. The system ensures precise, automatic shut-off for half the machine, factoring in the product transfer time between the metering unit and the seeding element—a value entered by the user via the terminal. This configuration reduces overlaps and gaps, particularly in irregular areas or at headland points.



### **The ESPRO still features its essentials**

With the ESPRO 1002 (R/RC) seed drills, KUHN retains the strengths that made the range a success:

- high versatility, enabling operation in both tilled and min-tilled soils, with consistent seed positioning regardless of the situation;
- large-diameter press wheels arranged in a staggered, two-row layout, reducing rolling resistance and lowering both pull-power requirements and fuel consumption;
- a CROSSFLEX seeding bar ensuring precise seed positioning - even at high speeds - for consistent establishment quality across the entire working width;
- automated headland management, which automatically sequences the seed drill's various functions and simplifies manoeuvres at the end of the field;
- hydraulic depth and ground pressure adjustments, allowing for rapid adaptation to working conditions, with shim-fitted cylinders serving as reference points.

### **A seed drill designed for daily comfort and efficiency**

The ESPRO 1002 (R/RC) generation incorporates several enhancements designed to improve operator comfort and optimize daily efficiency:

- a mid-height side walkway that facilitates loading and ensures safe access to the hopper;
- a partial-opening mode providing better access to the hoppers for filling;
- an integrated hopper emptying system, allowing easy transfer of remaining seed into a "Big Bag" at the end of the day or when switching customers;
- simple, tool-free metering cassette changes for rapid adaptation to different tasks;
- easy cassette selection via a dedicated webpage, based on seed type, seed application rate, and operating speed;
- intuitive control via a new, ergonomic ISOBUS interface, making it quick to master.

With the new ESPRO 1002 (R/RC) models, KUHN places metering precision and seeding consistency at the heart of its development. This approach is designed for fast, efficient operations, ensuring reliable crop establishment and controlled input management.

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