



COMMUNIQUE DE PRESSE

Trailed pneumatic no-till seed drill APEX 6000 RC / APEX 8000 RC

With the new APEX seed drills, KUHN brings precision seeding to no-till farming,
combining agronomic performance with farm profitability.

To meet the growing challenges of soil preservation, moisture retention, and economic performance, KUHN is launching the APEX—a new range of trailed pneumatic seed drills designed for direct seeding and min-till crop establishment. Developed in close collaboration with farmers and agricultural contractors, APEX seed drills place establishment quality and metering precision at the heart of agronomic success. The range comprises two models: the APEX 6000 RC and the APEX 8000 RC with working widths of 6 and 8 metres respectively. The APEX range was recognized by the EIMA 2026 jury in the Technical Evolution category—an award highlighting the developments made to meet the expectations of no-till users.

Preserved soils, carefully managed crop establishment

Designed for no-till and min-till systems, the APEX focuses its action exclusively on the seeding row. The narrow coulter, positioned in the disc's line and featuring a minimal attack angle, limits soil disturbance to the absolute minimum. This approach—aligned with conservation agriculture principles—preserves soil structure, retains moisture around the seed, and fosters biological activity, all while reducing erosion.

The machine's overall architecture, with balanced weight distribution, also helps limit soil compaction, improve traction, and reduce power requirements.

OPTISEED metering units: precise metering even at a high application rate

APEX seed drills feature the new OPTISEED cassette metering units. Combined with a pressurized hopper and pneumatic system, they ensure precise, consistent metering—even at high application rates—while accommodating a wide variety of seeds and fertilizers. This precision ensures uniform seeding density across all rows, an essential requirement for optimizing the crop's potential.

Half-width shut-off as standard: limiting losses, optimizing every hectare

Thanks to two metering units per hopper and four distribution heads, APEX seed drills feature half-width shut-off as standard. This setup reduces over- and under-dosing, particularly in irregular areas or oddly shaped fields.

New ISOFLEX seeding units: precise establishment, even in challenging conditions

As key components of the APEX seed drill, the new ISOFLEX seeding units have been designed to ensure precise, uniform seed delivery across diverse seeding conditions. Their design combines several complementary technical solutions to provide precise control over seeding depth, ground pressure, and seed establishment quality.

- **Effective residue management.** Positioned next to the opening disc, the side depth-control wheel holds residue flat against the ground. This facilitates cutting by the opening disc, ensures a cleaner furrow, and creates a favourable environment around the seed, promoting good germination.
- **Precise ground following for consistent seed delivery.** Positioned in front of the seeding coulter, the depth-control wheel ensures precise control over seeding depth. A parallelogram linkage with a wide travel range (33 cm) allows the seeding unit to follow terrain contours while



maintaining a constant coulter working angle parallel to the ground. The result: precise seeding depth control in any conditions.

- **Constant ground pressure.** Controlled by a hydraulic system and adjustable directly from the cab, the downforce can reach 250 kg per seeding unit. Maintained consistently across the entire working range, it ensures uniform ground contact and contributes to a constant seeding depth.
- **Optimal seed trajectory.** Injected beneath the axis of the opening disc, the seed is continuously guided to the bottom of the furrow. This design minimizes bouncing and ensures precise seed positioning, without the need for additional mechanisms.
- **A furrow-closing system suited to all conditions.** Its large-diameter, notched closing wheel promotes the creation of fine soil when conditions require it. Its adjustable working angle allows the closing action to be adapted to the specific soil type. Consistent furrow closure and tamping ensure optimal soil-to-seed contact, fostering rapid germination and uniform emergence.

Versatility: one seed drill, several strategies

Thanks to its dual hopper, four distribution heads, and two seeding lines, the APEX can establish two products one row out of two, two products mixed or a crop on a larger in-between row space.

These establishment methods accommodate practices such as localized fertilization, intercropping, and cover crop seeding, with enhanced metering precision and mixing consistency achieved through OPTISEED metering units and the pressurization of the entire distribution system. As an option, the APEX can be equipped with an additional hopper, allowing for the establishment of a third product.

High work output and maximum autonomy

Available in working widths of 6 and 8 m and equipped with a 5,600-litre pressurized dual hopper, APEX seed drills combine high productivity with extensive operating range. Their seeding units ensure excellent seed establishment quality, even at speeds up to 12 km/h. Users thus benefit from high work outputs without compromising on seeding precision and uniformity.

Ergonomics: designed for the field

Beyond its agronomic performance, the APEX was designed to make daily tasks easier for users. Wide front clearance and a secure side platform simplify access to the hoppers for filling operations. The metering units remain easily accessible from the ground, and cassette changes are quick and tool-free. An integrated hopper emptying system allows for easy transfer of remaining seeds into a big bag at the end of the day or when switching plots. Meanwhile, coulter pressure is adjusted directly from the in-cab terminal. The result: less time spent on manual adjustments and greater efficiency in the field.

Agronomic performance driving profitability

Every component of the APEX was developed with a clear objective: translating high-quality crop establishment into economic performance. Precise seed placement and furrow control promote uniform germination and emergence, allowing the full potential of every seed to be achieved.

Combining versatility, high autonomy, and impressive work outputs, the APEX optimizes operational efficiency throughout the season. Design choices have minimized maintenance requirements, while simplified access to wearing parts reduces downtime. These combined strengths make it a sound, long-term investment that balances agronomic performance with cost-effective operation.

With the new APEX seed drill range, KUHN reaches a new milestone in direct seeding by combining soil preservation, precise positioning, and economic efficiency.

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