



FOR IMMEDIATE RELEASE

Heritable Agriculture and KWS Announce Strategic Collaboration to Quality Traits for Feed Using Artificial Intelligence

SAN CARLOS, Calif. and EINBECK, Germany (January, 7, 2026) — Heritable Agriculture Inc., a leader in AI-driven crop improvement, and KWS SAAT SE & Co. KGaA ("KWS"), one of the world's leading plant breeding companies, today announced a new partnership focused on identifying genetic improvements for quality traits in feed crops.

Under the terms of the agreement, Heritable Agriculture will leverage its proprietary AI algorithms and gene identification technology to analyze KWS's proprietary genomic and phenotypic datasets. The collaboration aims to identify specific gene targets that can significantly improve quality traits in feed crops.

"We are thrilled to partner with KWS, a company with a rich history of innovation and leadership in plant breeding," said Dr. Brad Zamft, CEO of Heritable Agriculture. "This collaboration validates our platform's ability to translate complex multi-omics data into actionable biological insights. By applying our AI technology to KWS's world-class germplasm, we aim to unlock new value for farmers and the broader agricultural supply chain."

KWS, which has operated independently for almost 170 years, focuses on delivering innovative and sustainable solutions for the future of agriculture. This partnership represents a commitment to integrating cutting-edge digital tools with traditional breeding excellence.

"KWS is constantly exploring new technologies to deliver better varieties to our farmers," said Dr. Thomas Ehrhardt, Head of Global Research & Services at KWS. "Heritable's approach to discovering gene targets offers a promising avenue to



enhance the feeding value of our feed crops portfolio. We look forward to the results of this study and the potential it holds for our breeding programs.”

KWS’s Extensive Portfolio of Value-Driven Feed Crops

KWS maintains a leading global position by supplying seed for a broad and important portfolio of crops essential for animal feed production. Their focus includes key field crops such as corn, cereals, and oilseed rape. This extensive portfolio is supported by nearly 170 years of breeding expertise and significant annual investment in research and development. KWS is committed to continuously improving the value of these crops for both farmers and the broader agricultural supply chain. Their breeding efforts are centered on enhancing essential traits, including yield, resistance, and feeding value.

The Urgent Need for Improvement in Feed Traits

Continuous improvement in feed traits is essential to address mounting challenges across the agricultural supply chain, from the farm to the consumer. The core need centers on enhancing two key areas: nutritional value and sustainability.

- **Maximizing Feeding Value:** Enhancing the inherent quality of feed crops is critical for livestock performance. Genetic improvements are needed to maximize the actual nutritional energy available to livestock. This directly translates into higher feed efficiency, lower overall feed costs for farmers by requiring less input, and better animal health outcomes.
- **Driving Sustainability and Efficiency:** When animals can more efficiently utilize their feed, it reduces the amount of crop required to produce the same quantity of animal protein. This improved efficiency minimizes waste, lessens the environmental footprint of livestock production, and reduces the demand for additional agricultural land.

By unlocking the genetic potential to improve these quality traits in crops like rye, the collaboration aims to create new value for farmers while making the agricultural system more efficient and resilient for the future.

Heritable’s AI-Driven Gene Discovery Platform

Heritable Agriculture's proprietary platform employs advanced AI algorithms and gene identification technology to translate complex multi-omics data into actionable



biological insights. The core of this platform is its ability to analyze massive, high-dimensional datasets, such as the genomic and phenotypic data provided by KWS, to pinpoint specific genetic targets. For improving feed traits, this technology identifies causative genes and suggests means to modify their expression, such as knock-outs or regulation changes.

About Heritable Agriculture

Heritable Agriculture Inc. is a company focused on advancing all corners of the agricultural system - all crops, all locations, all traits. Located in San Carlos, California, the company is committed to applying advanced genomics, remote sensing, and AI to solve critical challenges in food security and crop development globally.

About KWS

KWS is one of the world's leading plant breeding companies. Around 5,000 employees* in over 70 countries generated net sales of around €1.68 billion in fiscal 2024/2025. A company with a tradition of family ownership, KWS has operated independently for almost 170 years. It focuses on plant breeding and the production and sale of seed for sugarbeet, corn, cereals, vegetables, oilseed rape and sunflowers. KWS uses leading-edge plant breeding methods to continuously improve yield for farmers and plants' resistance to diseases, pests and abiotic stress. To that end, the company invested approximately €350 million in fiscal year 2024/2025 in research and development.

*Excluding seasonal workers

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