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Komet unveils precision wave irrigation: Breakthrough in pivot performance

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Komet Irrigation, a global leader in sprinkler irrigation solutions since 1952, has unveiled the Komet Precision Wave (KPW), a next-generation pivot sprinkler engineered to dramatically elevate water distribution uniformity and irrigation efficiency. The KPW will take center stage at Agritechnica 2025, where the company will also introduce the Komet Experience Hubâ??a forward-looking research and testing facility designed to advance the science of irrigation performance.



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Uneven water delivery at the outer end of pivot systems has long been one of agricultureâ??s most persistent efficiency gaps. The KPW tackles this challenge head-on through an innovative oscillating deflector that creates a highly uniform droplet pattern across the full pivot radius. With stronger plant hydration and less water lost to runoff or evaporation, farmers can expect improved yields, healthier crop stands, and measurable gains in water-use efficiencyâ??critical advantages in a world where climate variability and water scarcity reshape how food is grown.

Built to European engineering standards at Kometâ??s manufacturing headquarters in Lienz, Austria, the KPW spans a versatile performance range with a 9â??15 meter throw radius and multiple flow options designed to adapt to diverse pivot

configurations, soil types, and crop conditions. It is available in both head-up and head-down models, clearly identified by white and yellow deflectors, ensuring farmers and OEMs can easily match the right solution to the right field scenario.

â??Uniform irrigation is one of the biggest drivers of yield and efficiency,â?• said Andree Groos, CEO of Komet Irrigation. â??The KPW gives farmers peace of mind that every plantâ??from the center to the outer edgeâ??gets the water it needs, consistently and efficiently. Itâ??s the kind of innovation that helps our customers grow more with less.â?•

The unveiling of the KPW is only one part of Kometâ??s innovation narrative at Agritechnica. The company will also offer an exclusive preview of the Komet Experience Hub, a 1,000-square-meter R&D center built to reshape how irrigation products are tested, validated, and optimized. The facility brings together IoT-enabled monitoring, automated performance analytics, and controlled simulation of wind, evaporation, and droplet trajectoryâ??conditions notoriously difficult to measure accurately in the field. The result is reliable, reproducible data that empowers farmers, agronomists, and pivot manufacturers to make smarter water-management decisions.

â??For the first time, farmers can see exactly how sprinklers and regulators perform under controlled yet realistic conditions,â?• added Groos. â??The Experience Hub represents our commitment to transparency, precision, and progress in irrigation design.â?•

Throughout Agritechnica, visitors to Kometâ??s stand will be among the first to witness how real-world performance insights are shaping the next generation of irrigation technology. To celebrate the launch, Komet will host a visitor competition featuring premium prizes, including a guided tour of the companyâ??s precision manufacturing facility in Austriaâ??home to a legacy of engineering expertise and innovation that spans more than 70 years.

Komet invites all attendees to Hall 9, Booth A09, to experience the KPW firsthand and discover how cutting-edge research is reimagining irrigation performance for a more efficient agricultural future.