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Reinke Irrigation and CropX debut Pivot-Mounted Sensor for precision irrigation

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CropXÂ Technologies, a global leader in digital agriculture solutions, announced the launch of a new product in partnership withÂ Reinke IrrigationÂ to refine water management for farmers through field-specific Evapotranspiration (ET) measurements of crop water use.

Reinke Direct ETâ?¢ by CropX is an innovation that provides affordable Actual Evapotranspiration (ETa) measurements with a sensor mounted on a Reinke center pivot irrigation system, available exclusively through Reinke.Â Â By combining farm data, real-time conditions, and agronomic knowledge, Reinke and CropX provide the grower with powerful insights and advice for their agronomic operations.â?¯Â

With the demands on irrigation water rising, the need for precision in irrigation is only becoming more pressing. ET values indicate the total water used by plants and evaporated from the soil. Reinke Direct ETâ?¢ by CropX offers measured, not modeled, field-specific values without need for any additional calculations. This offers farmers using Reinke center pivots a practical solution to manage water resources with greater precision.

By measuring the amount of water that their crops use, Reinke Direct ET gives farmers daily insights into their fieldâ??s water needs, enabling informed irrigation decisions on when and how much to irrigate their crops. This innovation aims to promote water-efficient practices and support sustainable farming using a device that is easy to install and maintain and does not require removal at the end of the season.Â

In addition to Reinke Direct ETâ?¢ by CropX available on the Reinke center pivots, CropX is also releasing its Actual ET sensor, a device that can be installed in any field to measure Actual Evapotranspiration (ETa). When used in combination with a CropX soil sensor as part of the CropX agronomic farm management system, growers will have access to the most accurate overview of water-plant usage and soil water availability to bring the highest accuracy to irrigation decisions. The underlying ET measurement technology was developed byÂ Tule Technologies, which was acquired by CropX in January 2023.Â Â